STORMWATER MANAGEMENT REPORT

ABBOTT AVENUE – PROPOSED DRAINAGE IMPROVEMENTS

Abbott Avenue
Town of Surfside, FL 33141

PROJECT NO. 11494.00

Issued: June 2021

Submitted by:

KEITH
Engineering Inspired Design.

5805 Blue Lagoon Drive, Suite 218
Miami, FL 33126
Phone: (305) 667-5474

_____

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

KEITH
Engineering Inspired Design.

PART II - TABLE OF CONTENTS

APPENDIX

APPENDIX A - Site Location Map
APPENDIX B - Basin Map
APPENDIX C - Stormwater Conveyance Pipe Network Map
APPENDIX D - FEMA Flood Map
APPENDIX E - USGA Soils Map
APPENDIX F - Miami-Dade Ground Water Level Maps
APPENDIX G - Miami-Dade Rainfall Distribution Maps
APPENDIX H - Town of Surfside Well Certification
APPENDIX I - FDOT Well Certification
APPENDIX J - Scenerio One: Plans, Opinion of Probable Cost, and ICPR Report
APPENDIX K - Scenerio Two: Plans, Opinion of Probable Cost, and ICPR Report
APPENDIX L - Scenerio Three: Plans, Opinion of Probable Cost, and ICPR Report
APPENDIX M - Scenerio Four: Plans, Opinion of Probable Cost, and ICPR Report
APPENDIX N - Scenerio Five: Plans, Opinion of Probable Cost, and ICPR Report
APPENDIX O - Scenerio Six: Plans, Opinion of Probable Cost, and ICPR Report
APPENDIX P - Scenerio Seven: Plans, Opinion of Probable Cost, and ICPR Report
APPENDIX Q - Combined Solutions (1, 2 & 7): Plans, Opinion of Probable Cost, and ICPR Report

EXECUTIVE SUMMARY

The purpose of Part II of this report is to recommend proposed improvements to resolve the flooding condition within Abbott Avenue (reflected in Part I of this report). These scenarios will include a "two-pronged approach" with short-term and long-term solutions, with the ultimate goal of meeting the Town's Level of Service (LOS) requirement outlined in the Miami Dade County DERM requirements. KEITH has provided exhibits along with a preliminary Opinion of Probable Cost (OPC) for the individual Scenarios.

KEITH has analyzed several scenarios from pipe improvements to pressurized drainage wells to be able to determine the most appropriate solution for Abbott's Avenue flooding problem. After analyzing the models for all scenarios, Scenario 7 makes the largest impact to Abbott's Avenue Flooding Problem. Scenario 1, combined with Scenarios 2 and 7 will meet the Level of Service required by the Town and minimize (or eliminate) Abbott's Avenue Flooding Problem. The compounded solution is estimated to cost **$4,589,779.97** and will **reduce the peak stage by almost three (3) feet** within 91st and 92nd Street**.**

Scenario One:

Provide pipe upsizing to existing DOT conveyance system along Harding Avenue. This Scenario would upsize the 10-inch pipes located at the intersections of 94th and 95th Street to 24-inch pipes in order to prevent excess runoff into Abbott Avenue.

Scenario Two:

Provide new pipe connection(s) and/or upsize pipe(s) to the north side of Abbott Avenue, specifically from 92nd Street to 94th Steer. This option would provide an additional route for water to convey out to the outfalls on 96th Street.

Scenario Three:

Provide new pipe connection and/or upsize the existing 12-inch pipe along Abbott Avenue, from 90th Street to 92nd Street (Basin D7). This piping connection would link Abbott Avenue to the conveyance system to the south of Surfside.

Scenario Four

Upsize the existing 12-inch pipe along 92th Street, from Abbott Avenue (Basin D7) to Bay Drive (Basin D1).

Scenario Five

Upsize the existing 12-inch pipe along 90th Street, from Abbott Avenue (Basin F9) to Bay Drive (Basin F1).

Scenario Six

Provide new stormwater pump station with four (4) drainage wells along Abbott Avenue near 92nd Street. This option would better convey stormwater to the existing Bay Drive connection as this is a pressurized system.

Scenario Seven

Provide two (2) new stormwater pump station with three (3) drainage wells along Abbott Avenue near 91st and 92nd Street. This option would better convey stormwater to the existing Bay Drive connection as this is a pressurized system.

I. Background

The Town of Surfside is located between Indian Creek Village and the Atlantic Ocean and comprises of approximately 330 acres of land. The Town of Surfside was constructed in the 1920's and incorporated into a Town on May 18th, 1935. The Town was completely developed by the 1980's. The original drainage system discharged directly into the tidal waters of Biscayne Bay. In 2010 there was a Florida Department of Environmental Protection (FDEP) program to implement water quality enhancements for Biscayne Bay and its tributaries. A part of that program was the establishments of overflow weirs on the Town of Surfside and FDOT outfalls and diversion to Drainage wells, with overflow to the Biscayne Bay, rather than direct uncontrolled discharge. See ***Figure 1*** below.

Figure 1: Town of Surfside City Limits

II. Project Location

The location of this project is a segment of Abbott Avenue roadway, between 88th Street and 95th Street. This segment of the roadway is 3,300 LF and contains approximately 100 single family residences, and approximately six (6) commercial buildings and parking lots. The roadway is located within the Town of Surfside (Town), Miami-Dade County (MDC), Florida (Section 34 & 35, Township 52S and Range 42E).
See ***Figure 2*** below.

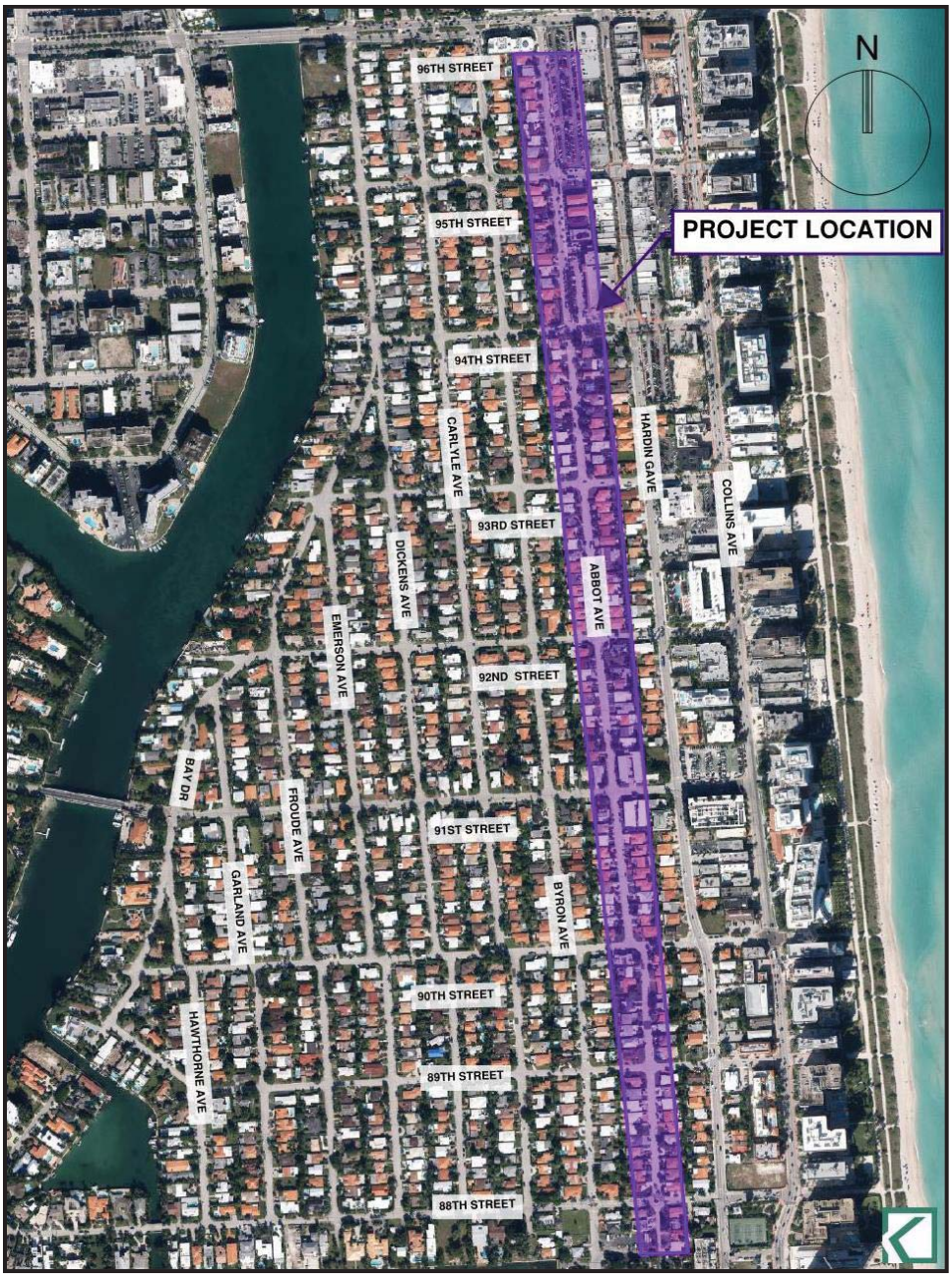


Figure 2: Project Location

STORMWATER MANAGEMENT CRITERIA

I. Basis of Assessment

The project's stormwater management (SWM) system design is based on the Town of Surfside and Miami-Dade County Department of Environmental Resource Management (DERM) Water Control criteria.

Figure 3: Existing Basin Map

II. Miami-Dade County DERM Criteria Requirements

A. Seasonal High Water Table Elevations

Based on the "Miami-Dade County Average 1999 October Water Table Map" the seasonal high water table elevation is approximately 1.60-ft NGVD 1929. However, in this area, ground water, and the tidal receiving water, is influenced by tidal action and is subject to fluctuations with storm surges. Hence, back when Hurricane Michael made landfall in Florida throughout August 30, 2017 – September 14, 2017, the town experienced an extreme storm elevation starting at 2.57-ft. Compared to the raining season in 2021 from 04/12/21 to May 12,2021, the storm elevations were at 2.17-ft high and (-)1.18-ft low.

B. Vertical Datum Reference

All elevation information provided in this stormwater report, the proposed plans and the boundary and topographic survey references the National Geodetic Vertical Datum of 1929 (NGVD29) as required by Miami-Dade County Regulatory & Economic Resources (RER).

C. Finish Floor Elevation

Minimum Finished Floor Elevations (FFE) were evaluated based on the higher of three criteria (Based DERM requirements) on a site-by-site basis:

1. FEMA Base Flood Elevations
   The site is located within FEMA Flood Zone AE (and VE towards the east side of Collins Avenue) with a minimum base flood elevation of 8-feet per FIRM #12086C0144L dated 09/11/09. The proposed residential buildings' FFE will be required to meet the 9.00-ft NGVD (FEMA + 1' per FBC). Please refer to ***Appendix D*** for details.

2. 8" above the adjacent crown of road
   The adjacent roadways have an average elevation of 5.50', which requires the minimum FFE to be designed at 6.17-ft NGVD.

3. Max stage of 100-year,72 Hour storm event with zero discharge.
   The peak stage for the 100Yr-72Hr storm event is 8.17-ft NGVD.

Since LIDAR could not determine the FFE of the single family residences, the FEMA BFE controls will be used for the existing conditions model as a minimum design criteria. Therefore, the minimum finished floor elevation for this project is at **9.00-ft NGVD29** (FEMA + 1' per FBC).

D. Roadway Level of Service (LOS):

The crown of road elevation for Abbott Avenue shall be based on the peak stage for the 5Yr-24Hr storm event. Additionally, the roadway crown should be a minimum of 2-ft over the control elevation. (Based on South Florida Water Management District (SFWMD) Environmental resource permit (ERP) Applicant's Handbook Volume II (May 22, 2016)).

E. Water Quantity

The stormwater runoff from the Town of Surfside is routed into eight (8) control structures shown on ***Table 1*****.** These control structures are located along the west side of Surfside. Additionally, there are nine (9) drainage wells which help accommodate the surface runoff from the town roadways. There are no other means of available storage (ponds, exfiltration trench, underground storage, etc.). The ICPR Model

reflects the routing of the stormwater runoff generated by the design rainfall events into the existing controls structures

1. Design Rainfall

The design rainfalls are based on the greater of the two criteria:

1. South Florida Water Management District (SFWMD) Environmental resource permit (ERP) Applicant's Handbook Volume II (May 22, 2016) "***Appendix C***: Isohyetal Maps (October 1990)".

2. National Oceanic and Atmospheric Administration (NOAA) National Weather Service Precipitation Frequency Estimates (NOAA Atlas 4, April 2013).

In ***Table 2*** below is a summary of the design rainfalls for the Project. Both the SFWMD/MDC and NOAA Rainfall Distribution Maps are depicted in ***Appendix G***.

Table 2 - Design Rainfall

Design Storm	Rainfall – MDC (Inches)	Rainfall – NOAA (Inches)	Applied Highest for Analysis (Inches)
5-Year, 1-Hour	3.20	2.94	3.20
5-year, 24-Hour	6.50	7.02	7.02
10-year, 24-Hour	7.50	8.52	8.52
25-year, 72-Hour	11.00	13.10	13.10
100-year, 72-Hour	15.00	17.60	17.60

F. Water Quality

The water quality required for commercial developments is the greater of the following:

1. 1-inch times the total area
2. 2.5-inches times the percentage of impervious area

The purpose of this report is not to evaluate the existing conditions for water quality; it is assumed that the existing conditions within Abbott Avenue meet the required water quality. In 2010, the Town of Surfside performed improvements to the overall stormwater system by providing 18-inch RCP pipe throughout Bay Drive to help improve the conveyance of the stormwater system. Additionally, eight (8) control structures (one at each outfall) and nine (9) drainage wells were constructed throughout the Town to help provide the water quality requirements.

Assessment

The design will use Interconnected Pond Routing Software (ICPR) Version 4 to analyze the existing roadway stages for Abbott Avenue. The software will model:

- 5 year - 1 hour storm events.
- 5 year - 24 hour storm events.
- 25 year - 72 hour storm events.
- 100 year - 72 hour storm events.

I. Approach

The ICPR software utilizes three elements to model 1-D Hydraulics: **Nodes**, **Basins**, and **Links**.

Nodes are used to represent catchment areas (ponds, lakes, canals, inlets, etc.). Most Nodes are modeled as a stage-area (or stage volume) and are used to model areas of storage for stormwater runoff. Nodes can also be modeled as a time-stage element (typically used for outlets or boundary conditions).
In this model, nodes were used as the following:

1. Inlet/Manhole Storage – from the water table elevation to the rim of the structure
2. Roadway Storage – from the rim of the inlet to the roadway crown
3. Off-Road Storage – from the crown of road to the assumed elevation of the houses

Basins are used to describe the watershed area attached to the associated node. Information such as acreage size, percent impervious (inputted as Curve Numbers or Directly Connected Impervious Area), soil characteristics, land use coverage, time of concentration, and unit hydrographs can all be included within the Basin element. This model placed basins at the specific nodes (inlets) which were collecting the flow from the contributing area. LIDAR information was used to determine the individual basin breakdown.

Links are used to model how the nodes interact, specifically how the stormwater runoff gets routed. Links can be pipes, weirs, drop structures, french drains, rating curves, and channels. The link elements were placed in the model based on the available information.

Each element was used to model the flood conditions within Abbott Avenue. It is important to note that Abbott Avenue is connected through a series of pipes and weirs throughout the Town of Surfside Water Management System. Therefore, all interconnected portions are needed to be included in this model order to accurately analyze Abbott Avenue.

II. Surface Waters/Wetland Impacts

The Town of Surfside is adjacent to FDEP Water Body ID No. 3226H (Group 4, Class 3M) which is an impaired intercoastal waterbody in Miami Dade County (MDC).

III. Site Contamination

No existing contaminants are within or adjacent to this project.

IV. Time of Concentration/Unit Hydrograph

The design will both utilize a time of concentration (T_C) of 30 minutes and the Unit Hydrograph of 256.

V. Curve Number

The ICPR model will use an estimated Curve Number (CN) of 85 throughout the analysis, based on values suggested by the TR-55 for Residential districts by average of lot size of 1/8 acres or less and assuming a NRCS Hydrologic Soil Group B for this project.

VI. Tailwater

The tailwater for the design was assumed to be at the seasonal high water table elevation of Biscayne Bay. This information was determined from the Miami-Dade Groundwater Level Map (Refer to ***Appendix F***). The map depicts an elevation to be 1.60-ft NGVD

PROPOSED IMPROVEMENTS

I. Scenario One

A. Improvement Description:

Provide pipe upsizing to existing FDOT system along Harding Avenue. This proposed Scenario would upsize the existing 10-inch pipes, located between 94th and 96th Street, to 24-inch pipes. This would better convey stormwater away from Harding Avenue and ultimately help alleviate the flooding condition within Abbott Avenue. Please refer to ***Appendix J*** and ***Table 3*** below.

Table 3 – Proposed Improvement (Scenario 1)

PIPE ID	Prop. Connection	Prop. Pipe Size (in)	Prop. Pipe Length (ft)	Prop. Improvement
P-A4-FDOT1B	Harding Ave: 95th to 94th	24	229	Upsize Ex. 10"
P-FDOT1B-2B	Harding Ave: 94th to 93rd	24	652	Upsize Ex. 10"
P-AA5-FDOT1B	94th St: Abbott to Harding	24	626	New Connection

B. Opinion of Probable Cost:

The proposed improvements for Scenario 1 will cost about $530,001.50. Refer to ***Appendix J*** for a breakdown for the cost to upsize the pipes within Harden.

C. Assessment

The ICPR analysis shows that the proposed 24" RCP pipe within Harding reduces the peak stages within Abbott Avenue, specifically within Basins A4 (95th Street) and B4 (94th Street). Unfortunately, Basins C2 (93rd Street) through I8 (88th Street) remained unaltered by this improvement. Refer to ***Table 4*** below to see the LOS (freeboard) conditions for Abbott Avenue. The pipe upsizing within Harding increase the off-site flows at the 96th Street and Carlyle outfalls. However, the pipe upsize improvements reduce the overall off-site discharge into Biscayne Bay. The difference in offsite flow can be seen below in ***Table 5*** below.

Table 4 – Peak Offsite Discharge (Scenario 1)

ID	Outfall Location	Outfall Size (in)	Existing Conditions Discharge (cfs)	Proposed Improvements Discharge (cfs)	Flow Reduction (Δ cfs)
CS-00	96th St.	36	20.00	24.39	(+)4.39
CS-01	94th St.	30	13.28	10.13	(-)3.15
CS-02	89th St.	24	2.68	2.73	(+)0.02
CS-03	Carlyle Ave.	36	37.02	37.00	(-)0.02
CS-04	95th St.	18	35.41	30.48	(-)4.93
CS-05	92nd St.	24	14.20	14.20	-
CS-06(R3)	91st St.	30	39.11	39.10	(-)0.01
CS-07	91st St.	24	27.73	27.72	(-)0.01
CS-08	88th St.	24	29.24	22.18	-
				TOTAL OFFSITE ADDITIONAL FLOW	(-)3.71

Table 5 – Summary of Proposed Abbott Avenue Maximum Stages (Scenario 1)

Basin ID	Estimated Roadway Centerline Elevation (ft - NGVD)	Existing Conditions Max Stage (ft - NGVD)	Proposed Improvements Max Stage (ft - NGVD)	Stage Reduction Difference (ft)	Difference between Max Stage & Crown of Road (ft)	LOS Achieved
AA4	4.00	3.37	3.68	(+)0.31	0.32	Yes
A4	4.80	5.08	4.42	-0.66	0.38	Yes
B4	4.80	4.05	3.47	-0.58	1.33	Yes
C2	5.78	5.96	5.96	-	(-)0.18	No
D7	3.90	5.30	5.30	-	(-)1.40	No
E8	4.00	4.93	4.93	-	(-)0.93	No
F9	4.27	4.88	4.88	-	(-)0.61	No
G9	4.84	4.86	4.86	-	(-)0.02	No
I8	4.51	4.79	4.79	-	(-)0.28	No

D. Conclusion

The LOS requirement is met within Abbott Avenue for 94th, 95th and 96th Street. This Scenario reduces the flooding at the intersection of Abbott and 95th by eight (8) inches during the 5 year – 24 hour storm event. This reduction occurs because the stormwater is more equally distributed to Harding and 96th Street (Basin AA4). This is evident in the fact that the peak stages on 96th Street (Basin AA4) increase approximately four (4) inches. Even with this increase, the basin AA4 still meets the LOS requirement. More importantly, this Scenario brings Basin A4 (95th Street & Abbott) within the LOS requirement which was not met previously. Unfortunately, Basins C2 through I8 (between 93rd and 88th Street) remain unaffected in this Scenario and still need to decrease (17-inches at the worst case) in order to meet the LOS requirement.

Scenario 1 will retain a total flow of 0.79 cfs during the 25 year-72 hour storm event which creates a positive impact on Biscayne Bay. However, the discharged through the outfall within 96th Street increases by an additional 4.28 cfs.

II. Scenario Two

A. Improvement Description:

Provide pipe upsizing and connections within Abbott Avenue. This Scenario would propose a new 24" RCP pipe from 92nd Street to 94th Street in an effort to alleviate the flooding concerns within Abbott. Please refer to ***Appendix K*** and ***Table 6*** for additional information regarding said improvements.

Table 6 – Proposed Improvements (Scenario 2)

PIPE ID	Prop. Connection	Prop. Pipe Size (in)	Prop. Pipe Length (ft)	Prop. Improvement
P-B4-C2	Abbott Ave: 93rd to 94th	24	628	Upsize Ex. 10"
P-C2-D7	Abbott Ave: 92nd to 93rd	24	653	New Connection

B. Opinion of Probable Cost:

The proposed improvements for Scenario Two would be $437,034.06. ***Appendix K*** shows a breakdown for the cost to upsize the pipes within Abbott Avenue.

C. Assessment

The ICPR analysis shows that the proposed 24" RCP pipe reduces the peak stages within Abbott Avenue, specifically within Basins C2 (93rd Street) and D7 (92nd Street). Unfortunately, Basins AA4 (96th Street) through B4 (94th Street) and Basins F9 (90th Street) through I8 (88th Street) remained unaltered by this improvement. Refer to ***Table 8*** below to see the LOS (freeboard) conditions for Abbott Avenue. The pipe upsizing within Abbott Avenue decreases the off-site flows at all locations. The difference in offsite flow can be seen below in ***Table 7*** below.

Table 7 – Peak Offsite Discharge (Scenario 2)

ID	Outfall Location	Outfall Size (in)	Existing Conditions Discharge (cfs)	Proposed Improvements Discharge (cfs)	Flow Reduction (Δ cfs)
CS-00	96th St.	36	20.00	20.02	**(+)0.02**
CS-01	94th St.	30	13.28	9.88	**(-)3.40**
CS-02	89th St.	24	2.68	2.53	**(-)0.15**
CS-03	Carlyle Ave.	36	37.02	37.00	**(-)0.02**
CS-04	95th St.	18	35.41	34.68	**(-)0.73**
CS-05	92nd St.	24	14.20	14.20	-
CS-06(R3)	91st St.	30	39.11	38.43	**(-)0.68**
CS-07	91st St.	24	27.73	27.09	**(-)0.64**
CS-08	88th St.	24	29.24	29.02	**(-)0.22**
				TOTAL OFFSITE ADDITIONAL FLOW	**(-)5.82**

Table 8 – Summary of Proposed Abbott Avenue Maximum Stages (Scenario 2)

Basin ID	Estimated Roadway Centerline Elevation (ft - NGVD)	Existing Conditions Max Stage (ft - NGVD)	Proposed Improvements Max Stage (ft - NGVD)	Stage Reduction Difference (ft)	Difference between Max Stage & Crown of Road (ft)	LOS Achieved
AA4	4.00	3.37	3.36	(-)0.01	**0.64**	**Yes**
A4	4.80	5.08	5.09	-	**(-)0.29**	**No**
B4	4.80	4.05	3.95	**-0.10**	**0.85**	**Yes**
C2	5.78	5.96	4.90	**-1.06**	**0.88**	**Yes**
D7	3.90	5.30	5.14	**-0.16**	**(-)1.24**	**No**
E8	4.00	4.93	4.93	-	**(-)0.93**	**No**
F9	4.27	4.88	4.88	-	**(-)0.61**	**No**
G9	4.84	4.86	4.86	-	**(-)0.02**	**No**
I8	4.51	4.79	4.78	-	**(-)0.27**	**No**

D. Conclusion

Overall, Scenario 2 the LOS requirement is met within Abbott Avenue for 96th, 94th and 93rd Street. This Scenario reduces the intersection of Abbott and 93rd by approximately one (1) foot during the 5 year – 24 hour storm event, effectively bringing it within the LOS requirement. This reduction occurs because the stormwater is equally distributed throughout Abbott Avenue. Unfortunately, Basins E8 through I8 (between 91st and 88th Street) and AA4 through A4 (96th and 95th Street) remain unaffected with this Scenario and still need to decrease (15-inches at the worst case) in order to meet the LOS requirement. Scenario 2 will retain a total flow of 5.82 cfs during the 25 year-72 hour storm event, which provides an overall net benefit to the discharge into Biscayne Bay by slightly reducing the overall flow through the outfalls.

The improvements outlined within Scenario 2 will help alleviate the flooding within Abbott Avenue, specifically at the 91st Street intersection. This Scenario will still, however, not provide the means to decrease the flooding to the required LOS.

III. Scenario Three

A. Improvement Description:

Provide pipe upsizing and connections within Abbott Avenue. This Scenario would propose a new 24" RCP pipe from 92nd Street to 90th Street in an effort to alleviate the flooding concerns within Abbott. Please refer to ***Appendix L*** and ***Table 9***.

Table 9 – Proposed Improvements (Scenario 3)

PIPE ID	Prop. Connection	Prop. Pipe Size (in)	Prop. Pipe Length (ft)	Prop. Improvement
P-D7-E8	Abbott Ave: 92nd to 91st	24	660	New Connection
P-E8-F9	Abbott Ave: 91st to 90th	24	622	New Connection
P-F8-F9	90th Street: Byron to Abbott	24	321	Upsize Ex. 12"

B. Opinion of Probable Cost:

The proposed improvements for Scenario Two would be $573,705.72. ***Appendix L*** shows a breakdown for the cost to upsize the pipes within Abbott Avenue.

C. Assessment

The ICPR analysis shows that the proposed 24" RCP pipe slightly increases the peak stages within Abbott Avenue, specifically in between Basin E8 (91st Street) to I8 (88th Street). There is a slight reduction within 92nd Street and the northern section of roadway (from 96th Street to 93rd) remained unaltered by this improvement. The difference in offsite flow can be seen below in ***Table 10*** below.

Table 10 – Peak Offsite Discharge (Scenario 3)

ID	Outfall Location	Outfall Size (in)	Existing Conditions Discharge (cfs)	Proposed Improvements Discharge (cfs)	Flow Reduction (Δ cfs)
CS-00	96th St.	36	20.00	20.03	**(+)0.03**
CS-01	94th St.	30	13.28	11.06	**(-)2.22**
CS-02	89th St.	24	2.68	2.68	-
CS-03	Carlyle Ave.	36	37.02	37.11	**(+)0.09**
CS-04	95th St.	18	35.41	35.13	**(-)0.28**
CS-05	92nd St.	24	14.20	14.20	-
CS-06(R3)	91st St.	30	39.11	39.07	**(-)0.04**
CS-07	91st St.	24	27.73	27.69	**(-)0.04**
CS-08	88th St.	24	29.24	29.23	**(-)0.01**
				TOTAL OFFSITE ADDITIONAL FLOW	**(-)2.47**

Table 11 – Summary of Proposed Abbott Avenue Maximum Stages (Scenario 3)

Basin ID	Estimated Roadway Centerline Elevation (ft - NGVD)	Existing Conditions Max Stage (ft - NGVD)	Proposed Improvements Max Stage (ft - NGVD)	Stage Reduction Difference (ft)	Difference between Max Stage & Crown of Road (ft)	LOS Achieved
AA4	4.00	3.37	3.36	**(-)0.01**	**0.64**	**Yes**
A4	4.80	5.08	5.09	**(+)0.01**	**(-)0.29**	**No**
B4	4.80	4.05	4.05	**-**	**0.75**	**Yes**
C2	5.78	5.96	5.96	**-**	**(-)0.18**	**No**
D7	3.90	5.30	5.16	**-0.14**	**(-)1.26**	**No**
E8	4.00	4.93	4.96	**(+)0.03**	**(-)0.96**	**No**
F9	4.27	4.88	4.92	**(+)0.04**	**(-)0.65**	**No**
G9	4.84	4.86	4.89	**(+)0.03**	**(-)0.05**	**No**
I8	4.51	4.79	4.79	**-**	**(-)0.28**	**No**

D. Conclusion

The Scenario 3 improvements reduce the flooding stage at Basin D7 (intersection at Abbott Avenue and 92nd Street) by two (2) inches during the 5-year – 24 hour storm event. This does not bring this intersection into compliance, as it is still needs to be reduced an additional 1.26-ft in order to meet the LOS requirement. The pipe connections allow for additional water to convey to the outfalls on the southern side of the Town near Carlyle and 88th, which slightly increases the stages within Abbott from 91st to 90th. This is because the topography within Abbott Avenue is the lowest overall within the Town of Surfside. Scenario 3 will retain a total flow of 1.84 cfs during the 25 year-72 hour storm event which creates a positive impact on Biscayne Bay. In fact, all outfalls, except Carlyle are slightly reduced by this upgrade.

It is not recommended to move forward with Scenario 3. Implementing Scenario 3 only reduces the staging by two inches and will not be as effective as Scenario 1 and 2 which have an immediate impact (between six (6) to 12 inch reduction in peak stage). Economically, it is not advised as a short-term or long-term solution to the flooding with Abbott Avenue.

IV. Scenario Four

A. Improvement Description

Provide pipe upsizing to existing 92nd Street conveyance system. This proposed Scenario would upsize the existing pipes, which vary in size from 12 to 21-inches, to a new 24-inch pipe. This would better convey stormwater to the existing Bay Drive connection and the outfalls to the west of Surfside. Please refer to ***Appendix M*** and ***Table 12*** below.

Table 12 – Proposed Improvements (Scenario 4)

PIPE ID	Prop. Connection	Prop. Pipe Size (in)	Prop. Pipe Length (ft)	Prop. Improvement
P-D1-D2	92nd Street: Bay Dr. to Froude	24	217	Upsize Ex. 21”
P-D2-D3	92nd Street: Froude to Emerson	24	276	Upsize Ex. 18”
P-D3-D4	92nd Street: Emerson to Dickens	24	284	Upsize Ex. 12”
P-D4-D5	92nd Street: Dickens to Carlyle	24	262	Upsize Ex. 12”
P-D5-D6	92nd Street: Carlyle to Byron	24	301	Upsize Ex. 12”
P-D6-D7	92nd Street: Byron to Abbott	24	292	Upside Ex. 12”

B. Opinion of Probable Cost:

The proposed improvements for Scenario 4 will be $688,981.29. ***Appendix M*** shows a breakdown for the cost to upsize the pipes within 92nd Street.

C. Assessment

The ICPR analysis shows that the proposed 24” RCP pipe within 92nd Street slightly reduces the peak stages at Basin D7 (intersection of Abbott and 92nd Street). Unfortunately, all intersections remained unaltered by this improvement. Refer to ***Table 14*** below to see the LOS (freeboard) conditions for Abbott Avenue. The pipe upsizing within 92nd Street decreases the off-site flows throughout the Town of Surfside outfall structures which discharge into Biscayne Bay. The difference in offsite flow can be seen below in ***Table 13*** below.

Table 13 – Peak Offsite Discharge (Scenario 4)

ID	Outfall Location	Outfall Size (in)	Existing Conditions Discharge (cfs)	Proposed Improvements Discharge (cfs)	Flow Reduction (Δ cfs)
CS-00	96th St.	36	20.00	20.04	(+)0.04
CS-01	94th St.	30	13.28	11.18	(-)2.10
CS-02	89th St.	24	2.68	2.60	(-)0.08
CS-03	Carlyle Ave.	36	37.02	37.02	-
CS-04	95th St.	18	35.41	35.14	(-)0.27
CS-05	92nd St.	24	14.20	14.20	-
CS-06(R3)	91st St.	30	39.11	38.86	(-)0.25
CS-07	91st St.	24	27.73	27.49	(-)0.24
CS-08	88th St.	24	29.24	29.13	(-)0.11
				TOTAL OFFSITE ADDITIONAL FLOW	(-)3.01

Table 14 – Summary of Proposed Abbott Avenue Maximum Stages (Scenario 4)

Basin ID	Estimated Roadway Centerline Elevation (ft - NGVD)	Existing Conditions Max Stage (ft - NGVD)	Proposed Improvements Max Stage (ft - NGVD)	Stage Reduction Difference (ft)	Difference between Max Stage & Crown of Road (ft)	LOS Achieved
AA4	4.00	3.37	3.36	-0.01	0.64	Yes
A4	4.80	5.08	5.09	(+)0.01	(-)0.29	No
B4	4.80	4.05	4.05	-	0.75	Yes
C2	5.78	5.96	5.96	-	(-)0.18	No
D7	3.90	5.30	5.16	-0.14	(-)1.26	No
E8	4.00	4.93	4.93	-	(-)0.93	No
F9	4.27	4.88	4.88	-	(-)0.61	No
G9	4.84	4.86	4.86	-	(-)0.02	No
I8	4.51	4.79	4.79	-	(-)0.28	No

D. Conclusion

Overall, Scenario 4 improvements reduce the stage at Basin D7 (intersection at Abbott Avenue and 92nd Street) by two (2) inches during the 5-year – 24 hour storm event. This does not bring this intersection into compliance, as it is still needs to be reduced an additional 1.25-ft in order to meet the LOS requirement. The pipe connections allows for additional water to convey to the outfalls on the western side of the Town along Bay Drive. Although the pipe upsize conveys additional stormwater runoff, which is evident by the two (2) inch reduction, it still does alleviate the flooding issue within Abbott Avenue. This is because Abbott Avenue has a lower grade elevation than the majority of the roadways within the Town of Surfside. When the water equalizes throughout the town, the water backtracks back into Abbott and not out of the existing control structures. This is apparent since there is a reduction in peak discharge in

almost all the existing outfalls. If additional water was routed to Bay Drive, the amount of off-site discharge should increase.

Overall, Scenario 4 should not be considered as solution to the flooding issue within Abbott Avenue. This Scenario reduces the peak stage, at the intersection of Abbott and 92nd, by two (2) inches and consist of 1,500-ft of 24" RCP pipe.

V. Scenario Five

A. Improvement Description:

Provide pipe upsizing to existing 90th Street conveyance system. This proposed Scenario would upsize the existing pipes, which vary in size from 10 to 12-inches, to a new 24-inch pipe. This would effectively improve the conveyance of stormwater to the existing Bay Drive connection and the outfalls to the west of Surfside. Please refer to ***Appendix N*** and ***Table 5*** below.

Table 15 – Proposed Improvements (Scenario 5)

PIPE ID	Prop. Connection	Prop. Pipe Size (in)	Prop. Pipe Length (ft)	Prop. Improvement
P-F1-F2	90th Street: Bay Dr. to Hawthorne	24	217	Upsize Ex. 12”
P-F2-F3	90th Street: Hawthorne to Garland	24	276	Upsize Ex. 12”
P-F3-F4	90th Street: Garland to Froude	24	284	New Connection
P-F4-F5	90th Street: Froude to Emerson	24	262	Upsize Ex. 10”
P-F5-F6	90th Street: Emerson to Dickens	24	292	Upsize Ex. 12”
P-F6-F7	90th Street: Dickens to Carlyle	24	271	Upside Ex. 12”
P-F7-F8	90th Street: Carlyle to Byron	24	303	Upside Ex. 12”
P-F8-F9	90th Street: Byron to Abbott	24	321	Upside Ex. 12”

B. Opinion of Probable Cost:

The proposed improvements for Scenario 5 will be $906,388.39. ***Appendix N*** shows a breakdown for the cost to upsize the pipes within 90th Street.

C. Assessment

The ICPR analysis shows that the proposed 24” RCP pipe within 90th Street slightly reduces the peak stages at Basin F9 (intersection of Abbott and 90th Street). Unfortunately, all intersections remained unaltered by this improvement. Refer to ***Table 17*** below to see the LOS (freeboard) conditions for Abbott Avenue. The pipe upsizing within 90th Street also increases the off-site flows throughout the Town of Surfside outfall structures which discharge into Biscayne Bay. The difference in offsite flow can be seen below in ***Table 16*** below.

Table 16 – Peak Offsite Discharge (Scenario 5)

ID	Outfall Location	Outfall Size (in)	Existing Conditions Discharge (cfs)	Proposed Improvements Discharge (cfs)	Flow Reduction (Δ cfs)
CS-00	96th St.	36	20.00	20.03	(+)0.03
CS-01	94th St.	30	13.28	13.34	(+)0.06
CS-02	89th St.	24	2.68	2.67	(-)0.01
CS-03	Carlyle Ave.	36	37.02	36.79	(-)0.23
CS-04	95th St.	18	35.41	35.31	(-)0.10
CS-05	92nd St.	24	14.20	14.20	-
CS-06(R3)	91st St.	30	39.11	39.12	(+)0.01
CS-07	91st St.	24	27.73	27.74	(+)0.01
CS-08	88th St.	24	29.24	29.19	(-)0.05
				TOTAL OFFSITE ADDITIONAL FLOW	(-)0.36

Table 17 – Summary of Proposed Abbott Avenue Maximum Stages (Scenario 5)

Basin ID	Estimated Roadway Centerline Elevation (ft - NGVD)	Existing Conditions Max Stage (ft - NGVD)	Proposed Improvements Max Stage (ft - NGVD)	Stage Reduction Difference (ft)	Difference between Max Stage & Crown of Road (ft)	LOS Achieved
AA4	4.00	3.37	3.36	**-0.01**	**0.64**	**Yes**
A4	4.80	5.08	5.09	-	**(-)0.29**	**No**
B4	4.80	4.05	4.05	-	**0.75**	**Yes**
C2	5.78	5.96	5.96	-	**(-)0.18**	**No**
D7	3.90	5.30	5.30	-	**(-)1.40**	**No**
E8	4.00	4.93	4.93	-	**(-)0.93**	**No**
F9	4.27	4.88	4.81	**-0.07**	**(-)0.54**	**No**
G9	4.84	4.86	4.80	**-0.06**	**0.04**	**Yes**
I8	4.51	4.79	4.77	**-0.02**	**(-)0.26**	**No**

D. Conclusion

The Scenario 5 improvements reduce the stage at Basin F9 (intersection at Abbott Avenue and 90th Street) by one (1) inch during the 5-year – 24 hour storm event. This does not bring this intersection into compliance, as it is still needs to be reduced an additional 0.54-ft in order to meet the LOS requirement. The pipe connections allows for additional water to convey to the outfalls on the western side of the Town along Bay Drive. Although the pipe upsize conveys additional stormwater runoff, it does not alleviate the flooding issue within Abbott Avenue. This is because Abbott Avenue has a lower grade elevation than the majority of the roadways within the Town of Surfside. When the water equalizes throughout the town, the water backtracks back into Abbott and not out of the existing control structures.

Overall, Scenario 5 should not be considered as solution to the flooding issue within Abbott Avenue. This Scenario reduces the peak stage, at the intersection of Abbott and 90th, by one (1) inches and consists of 2,226-ft of 24" RCP pipe.

VI. Scenario Six

A. Improvement Description:

Provide new stormwater pump station with four (4) drainage wells. This scenario would provide a new control structure and pump station on 92nd Street similar to the FDOT system. This would better convey stormwater to the existing Bay Drive connection and the outfalls to the west of Surfside. Please refer to ***Appendix O*** and ***Table 18*** below.

Table 18 – Proposed Improvements (Scenario 6)

PIPE ID	Prop. Connection	Prop. Pipe Size (in)	Prop. Pipe Length (ft)	Prop. Improvement
P-D7-D8	Abbott Ave: 92nd to 91st	24	663	New Connection
P-E9-E8	Abbott Ave: 91st to new MH	24	10	New Connection
P-E9-F9	Abbott Ave: 92nd to new MH	24	500	New Connection
P-E9-PS-7	Abbott Ave: CS to new PS	24	10	New Connection
P-CS-10	Abbott Ave: CS to bypass MH	24	20	New Connection
P-CS-10-PS-7	Abbott Ave: PS to bypass MH	24	10	New Connection
P-CS-10-E1	Abbott Ave: bypass MH to Bay Drive	24	2,223	New Connection
DW-10-13	Abbott Ave: PS to Aquifer	24	N/A	New Connection

B. Opinion of Probable Cost:

The proposed improvements for Scenario 5 will be $2,250,256.41. ***Appendix O*** shows a breakdown for the cost for the pump station enhancements.

C. Assessment

The ICPR analysis shows that the proposed pump station reduces the stages within Abbott Avenue, specifically from Basin E8 (91st Street) to Basin F9 (90th Street). Refer to ***Table 20*** below to see the LOS (freeboard) conditions for Abbott Avenue. The pipe upsizing within 90th Street also decreases the off-site flows throughout the Town of Surfside outfall structures which discharge into Biscayne Bay. The difference in offsite flow can be seen below in ***Table 19*** below.

Table 19 – Peak Offsite Discharge (Scenario 6)

ID	Outfall Location	Outfall Size (in)	Existing Conditions Discharge (cfs)	Proposed Improvements Discharge (cfs)	Flow Reduction (Δ cfs)
CS-00	96th St.	36	20.00	20.03	(-)0.03
CS-01	94th St.	30	13.28	8.64	(-)4.64
CS-02	89th St.	24	2.68	2.06	(-)0.67
CS-03	Carlyle Ave.	36	37.02	36.74	(-)0.28
CS-04	95th St.	18	35.41	35.08	(-)0.33
CS-05	92nd St.	24	14.20	14.20	-
CS-06(R3)	91st St.	30	39.11	37.10	(-)2.01
CS-07	91st St.	24	27.73	25.91	(-)1.82
CS-08	88th St.	24	29.24	27.52	(-)1.74
				TOTAL OFFSITE ADDITIONAL FLOW	(-)11.46

Table 20 – Summary of Proposed Abbott Avenue Maximum Stages (Scenario 6)

Basin ID	Estimated Roadway Centerline Elevation (ft - NGVD)	Existing Conditions Max Stage (ft - NGVD)	Proposed Improvements Max Stage (ft - NGVD)	Stage Reduction Difference (ft)	Difference between Max Stage & Crown of Road (ft)	LOS Achieved
AA4	4.00	3.37	3.36	-0.01	0.64	Yes
A4	4.80	5.08	5.09	(+)0.01	(-)0.29	No
B4	4.80	4.05	4.05	-	0.75	Yes
C2	5.78	5.96	5.96	-	(-)0.18	No
D7	3.90	5.30	4.82	-0.48	(-)0.92	No
E8	4.00	4.93	3.59	-1.34	0.41	Yes
F9	4.27	4.88	3.63	-1.25	0.64	Yes
G9	4.84	4.86	4.77	-0.09	0.07	Yes
I8	4.51	4.79	4.75	-0.04	(-)0.24	No

D. Conclusion

The Scenario 6 improvements reduce the stage at Basin E8 and F9 (intersection at Abbott Avenue and 91st Street/90th Street) by 16 inches during the 5-year – 24 hour storm event. This brings these intersections into compliance, meeting the LOS. The proposed pump station allows for water to be routed directly away from Abbott and to the outfalls on the western side of the Town along Bay Drive. Unfortunately, the proposed pump station is located too far from the northern portion of Abbott and, therefore, Basins C2 and D7 are largely unaffected. These Basins still need to be reduced an additional 0.92-ft in order to meet the LOS requirement.

Overall, Scenario 6 should be considered as a long-term solution to the flooding issue within Abbott Avenue. This Scenario reduces the peak stages at the areas of concern by 16 inches and consist of ±1,600-ft of DIP forcemain.

VII. Scenario Seven

A. Improvement Description:

Provide two (2) new stormwater pump station with three (3) drainage wells. This scenario would provide a new control structure and pump station on 91st and 92nd Street similar to the previously installed FDOT system. This would better convey stormwater to the existing Bay Drive connection and the outfalls to the west of Surfside. Please refer to ***Appendix P*** and ***Table 21*** below.

Table 21 – Proposed Improvements (Scenario 7)

PIPE ID	Prop. Connection	Prop. Pipe Size (in)	Prop. Pipe Length (ft)	Prop. Improvement
P-E8-E9	Abbott Ave: 91st to new CS	24	663	New Connection
P-E9-F9	Abbott Ave: 90st to new CS	24	10	New Connection
P-E9-PS-7	Abbott Ave: CS to new PS	24	500	New Connection
CS-10	Abbott Ave: CS to bypass MH	24	10	New Connection
P-CS-10-PS-7	Abbott Ave: PS to bypass MH	24	20	New Connection
P-CS-10-E1	Abbott Ave: bypass MH to Bay Drive	24	2,223	New Connection
DW-10-13	Abbott Ave: PS to Aquifer	24	N/A	New Connection
P-C2-D8	Abbott Ave: 93rd to new CS	24	664	New Connection
P-D7-D8	Abbott Ave: 92nd to new CS	24	10	New Connection
P-PS-8-D8	Abbott Ave: CS to new PS	24	15	New Connection
CS-11	Abbott Ave: CS to bypass MH	24	20	New Connection
P-CS-11-PS-8	Abbott Ave: PS to bypass MH	24	10	New Connection
P-CS-11-D1	Abbott Ave: bypass MH to Bay Drive	24	2,223	New Connection
DW-13-16	Abbott Ave: PS to Aquifer	24	N/A	New Connection

B. Opinion of Probable Cost:

The proposed improvements for Scenario 5 will be $3,622,744.41. ***Appendix P*** shows a breakdown for the cost for the pump station enhancements.

C. Assessment

The ICPR analysis shows that the proposed pump stations significantly reduce the peak stages within Abbott Avenue, specifically from Basin B4 (95th Street) to Basin I8 (88th Street). Refer to ***Table 23*** below to see the LOS (freeboard) conditions for Abbott Avenue. The proposed pump stations also decrease the off-site flows to Biscayne Bay. The difference in offsite flow can be seen below in ***Table 22*** below.

Table 22 – Peak Offsite Discharge (Scenario 7)

ID	Outfall Location	Outfall Size (in)	Existing Conditions Discharge (cfs)	Proposed Improvements Discharge (cfs)	Flow Reduction (Δ cfs)
CS-00	96th St.	36	20.00	19.99	**(-)0.01**
CS-01	94th St.	30	13.28	5.99	**(-)7.29**
CS-02	89th St.	24	2.68	2.06	**(-)0.62**
CS-03	Carlyle Ave.	36	37.02	36.73	**(-)2.71**
CS-04	95th St.	18	35.41	34.27	**(-)1.14**
CS-05	92nd St.	24	14.20	14.20	-
CS-06(R3)	91st St.	30	39.11	37.06	**(-)2.05**
CS-07	91st St.	24	27.73	25.88	**(-)1.85**
CS-08	88th St.	24	29.24	27.56	**(-)1.68**
				TOTAL OFFSITE ADDITIONAL FLOW	**(-)17.35**

Table 23 – Summary of Proposed Abbott Avenue Maximum Stages (Scenario 7)

Basin ID	Estimated Roadway Centerline Elevation (ft - NGVD)	Existing Conditions Max Stage (ft - NGVD)	Proposed Improvements Max Stage (ft - NGVD)	Stage Reduction Difference (ft)	Difference between Max Stage & Crown of Road (ft)	LOS Achieved
AA4	4.00	3.37	3.36	-	**0.64**	**Yes**
A4	4.80	5.08	5.09	**(+)0.01**	**(-)0.29**	**No**
B4	4.80	4.05	3.35	**(-)0.70**	**1.45**	**Yes**
C2	5.78	5.96	3.24	**(-)2.72**	**2.54**	**Yes**
D7	3.90	5.30	2.76	**(-)2.54**	**1.14**	**Yes**
E8	4.00	4.93	3.36	**(-)1.57**	**0.64**	**Yes**
F9	4.27	4.88	3.61	**(-)1.27**	**0.66**	**Yes**
G9	4.84	4.86	4.77	**(-)0.09**	**0.07**	**Yes**
I8	4.51	4.79	4.75	**(-)0.04**	**(-)0.24**	**No**

D. Conclusion

The Scenario 7 improvements reduce the peak stage at 93rd and 94th by over 2.50-ft during the 5year-24hour storm event. The two (2) pump stations bring the flooding areas from 94th to 89th with the required LOS.

Additionally, by incorporating the pressurized drainage wells, the total off-site flow into Biscayne is reduced by 11.14 cfs. This is because the water is routed directly into the aquifer via the drainage wells.

CONCLUSION

I. Summary

An ICPR analysis was used to model several potential drainage solutions (scenarios) to resolve the existing flood condition within Abbott Avenue. Seven scenarios have been included in this report. These potential solutions vary from proposed pipe connections, upsizing of existing pipes, and proposed pressured drainage wells. The models were analyzed for both long-term and short-term solutions with the ultimate intent of meeting the required level of service set by DERM Water Control. **Scenario's 1 and 2**, for example, are short-term solutions which will help provide some relief to Abbott Avenue. Unfortunately, this solution will not meet the LOS requirement, especially at the more severe locations near 91st and 92nd Street. **Scenario 3** modeled a pipe connection from 91st to 90th, connecting to the system to the south which discharges through Carlyle. This option appears to make portions of Abbott Avenue worse as additional stormwater was routed to those locations. **Scenario's 4 and 5** modeled a pipe upsizing along 92nd Street and 90th Street, respectively. These models showed that, although the stages within Abbott decreased, it would take over 1,200 LF of piping in order to reduce the stages one (1) to two (2) inches. These options validated the assumption that the stormwater runoff hydraulically wants to flow towards Abbott Avenue. **Scenario's 6 and 7** modeled a new pump station which dramatically reduced the stages compared to the gravity connection/upsizing options. These options were evaluated as long-term solutions to the existing flood condition. Scenario 6 showed that one (1) pump station would significantly help reduce the stage at the location it was placed. However, this would draw additional water to this area and thus have a negative impact on the adjacent streets along Abbott Avenue. Therefore, a second pump station was modeled in Scenario 7, which drastically decreased the flooding within Abbott Avenue.

II. Recommendations

It is recommended that Scenario 1, 2, and 7 be implemented wholistically as a compounded solution. This will bring Abbott Avenue into the LOS compliance, bringing the peak stage down almost three (3) feet within 91st and 92nd Street. ***Table 24*** and ***Table 25*** below depict the final peak stages and total offsite discharge if the compounded solution is implemented. The compounded solution is estimated to cost $4,589,779.97.

Permitting through DERM Water Control will be required in order to move forward with this solution. The design and permitting will take approximately nine (9) to twelve (12) months to complete. It is estimated the bid award will take an additional three (3) months and construction will take approximately one (1) year to complete. Therefore, the estimated total time from executed contract to completed construction date is approximately 24 to 27 months.

The combined solution involves working with FDOT so that their conveyance system can be upgraded to avoid excess flow into the Surfside System. This solution also involves ±2,800 LF of piping within Abbott Avenue, which provides an additional connection to the north and south systems (similar to the Bay Drive improvements). Two (2) pump stations with control structures and three (3) drainage wells each will also need to connect into the Surfside drainage systems located at 91st and 92nd Street, respectively. Additionally, ±3,200 LF of forcemain will need to be installed in order to connect to the drainage wells and back into the Bay Drive Improvements.

This collaborated effort meets the LOS requirement for the crown of road. Moreover, this solution should provide enough storage to keep the inlets and roadway's dry, during the 5 year – 24 hour storm event.

Table 24 – Peak Offsite Discharge (Combined Solutions)

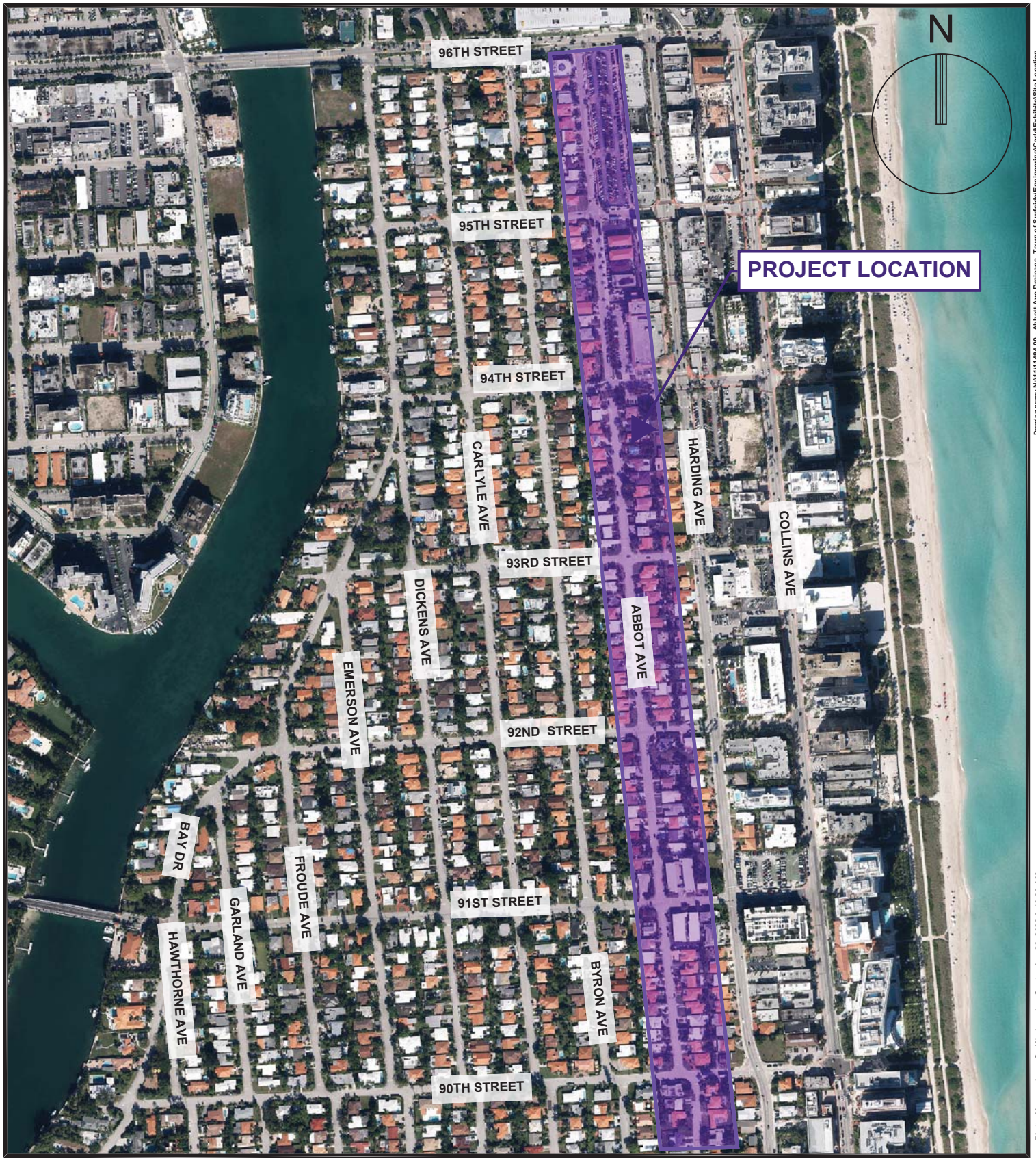
ID	Outfall Location	Outfall Size (in)	Existing Conditions Discharge (cfs)	Proposed Improvements Discharge (cfs)	Flow Reduction (Δ cfs)
CS-00	96th St.	36	20.00	24.03	(+)4.03
CS-01	94th St.	30	13.28	3.95	(-)9.33
CS-02	89th St.	24	2.68	2.04	(-)0.64
CS-03	Carlyle Ave.	36	37.02	36.75	(-)0.27
CS-04	95th St.	18	35.41	29.13	(-)6.28
CS-05	92nd St.	24	14.20	14.20	-
CS-06(R3)	91st St.	30	39.11	37.02	(-)2.09
CS-07	91st St.	24	27.73	25.85	(-)1.88
CS-08	88th St.	24	29.24	27.50	(-)1.74
				TOTAL OFFSITE ADDITIONAL FLOW	(-)18.20

Table 25 – Summary of Proposed Abbott Avenue Maximum Stages (Combined Solutions)

Basin ID	Estimated Roadway Centerline Elevation (ft - NGVD)	Existing Conditions Max Stage (ft - NGVD)	Proposed Improvements Max Stage (ft - NGVD)	Stage Reduction Difference (ft)	Difference between Max Stage & Crown of Road (ft)	LOS Achieved
AA4	4.00	3.37	3.37	-	0.63	Yes
A4	4.80	5.08	3.67	(-)1.41	1.13	Yes
B4	4.80	4.05	2.99	(-)1.06	1.81	Yes
C2	5.78	5.96	3.00	(-)2.96	2.78	Yes
D7	3.90	5.30	2.43	(-)2.87	1.47	Yes
E8	4.00	4.93	3.09	(-)1.84	0.91	Yes
F9	4.27	4.88	3.38	(-)1.50	0.89	Yes
G9	4.84	4.86	4.77	(-)0.09	0.07	Yes
I8	4.51	4.79	4.75	(-)0.04	(-)0.24	No

Appendix A

Site Location Map



Drawing name: N:\11\11494.00 - Abbott Ave Drainage -Town of Surfside\Engineering\Cadd\Exhibits\Site Location Exhibit\11494.00 Site Location Exhibit.dwg

Plotted by: vcoloma On Wednesday, September 23, 2020 9:40:08 AM

PROJECT

ABBOTT AVENUE

SITE LOCATION MAP

KEITH

5808 Blue Lagoon Drive, Suite 218
Miami, Florida 33126
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

SHEET 1 OF 1

DRAWING NO. EX-100

DATE JUNE 2021

SCALE 1" = 500'

DSGN. BY CM

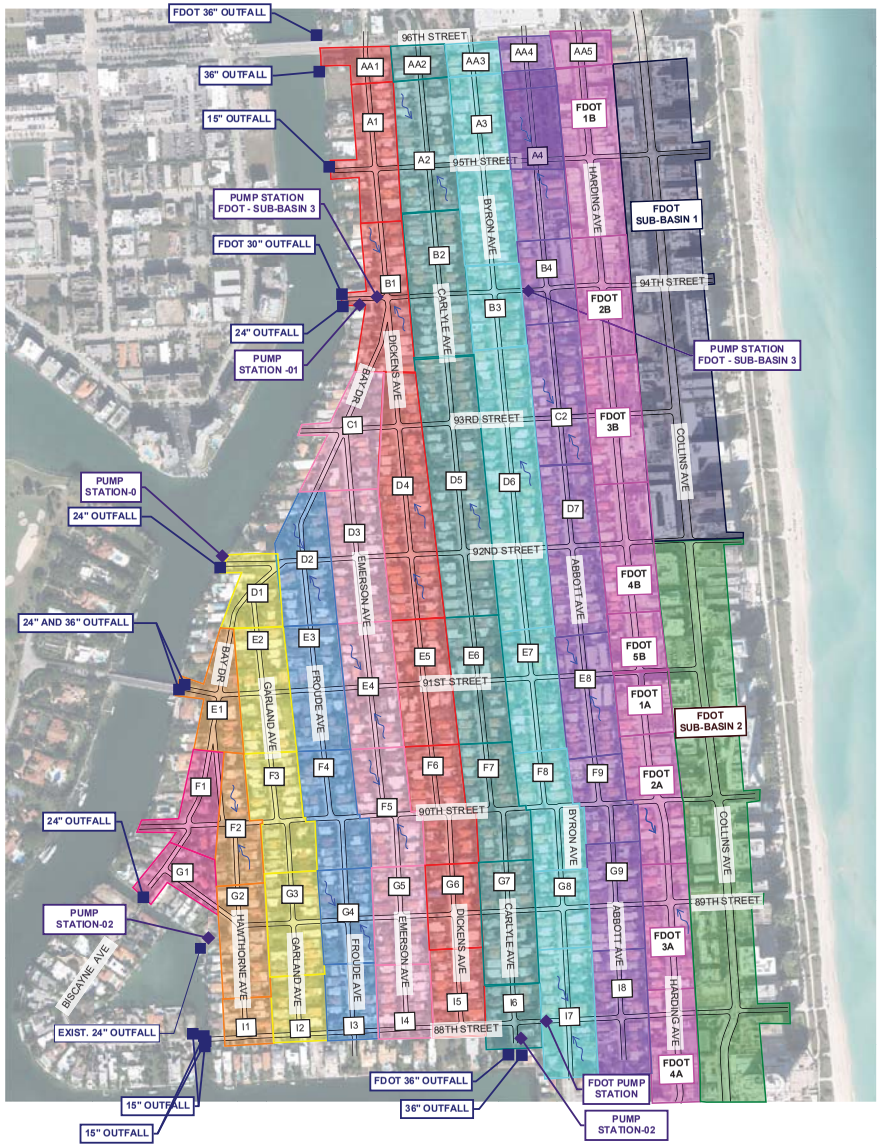
DWNG. BY MB

CHK. BY SW

DATE	REVISIONS

Appendix B

Basin Map



N

GRAPHIC SCALE
0 300 600
SCALE: 1" = 300
NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

BASIN AREAS

Road Name	Basin	Acrea
Harding Road	AA5	1.30
	FDOT 1B	5.97
	FDOT 2B	4.05
	FDOT 3B	4.15
	FDOT 4B	4.30
	FDOT 5B	1.96
	FDOT 1A	2.05
	FDOT 2A	3.92
	FDOT 3A	3.59
	FDOT 4A	3.34
Abbot Road	AA4	1.13
	A4	5.56
	B4	2.64
	C2	5.48
	D7	5.55
	E8	4.09
	F9	2.88
	G9	3.49
	I8	3.95
Byron Road	AA3	1.08
	A3	6.12
	B3	2.77
	D6	9.07
	E7	3.96
	F8	3.89
	G8	2.44
	I7	4.12
Carlyle Road	AA2	1.19
	A2	4.55
	B2	5.27
	D5	8.82
	E6	4.09
	F7	3.88
	G7	4.14
	I6	2.21
Dickens Road	AA1	1.27
	A1	3.76
	B1	4.43
	D4	6.99
	E5	4.16
	F6	3.88
	G6	2.79
	I5	2.81
Emerson Road	C1	4.06
	D3	4.30
	E4	4.12
	F5	3.78
	G5	3.19
	I4	2.45
Froude Road	D2	4.06
	E3	4.07
	F4	3.99
	G4	3.08
	I3	2.38
Garland Road	D1	2.24
	E2	3.89
	F3	3.78
	G3	3.43
	I2	2.18
Hawthorne Road	E1	2.83
	F2	2.66
	G2	3.26
	I1	1.36
Bay Road	F1	2.63
	G1	2.10

NOTE:
FDOT SUB BASIN AREAS DETERMINED FROM FINAL AS-BUILT PLANS. DATED 08/14/2008
(FINANCIAL PROJECT ID:249561-2-52-01)

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE

PRELIMINARY PLAN
NOT FOR CONSTRUCTION
THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS.
RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	
DESIGNED BY:	MB
DRAWN BY:	VC
CHECKED BY:	CMP
BID-CONTRACT:	

CLIENT
TOWN OF SURFSIDE

PROJECT
TOWN OF SURFSIDE - ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE
EXIST. DRAINAGE BASIN MAP

SHEET NUMBER	11494.M0
PROJECT NUMBER	EX-101

Appendix C

Pipe Network (Storm Sewer) Map

N

GRAPHIC SCALE
0 300 600
SCALE: 1" = 300
NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- CATCH BASIN
- CURB INLET
- MANHOLE
- OUTFALL
- PUMP STATION

STORMWATER PIPE DIAMETER

TBD	24"
10"	30"
12"	36"
15"	42"
16"	48"
18"	

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE

PRELIMINARY PLAN NOT FOR CONSTRUCTION

THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS.

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	
DESIGNED BY:	MB
DRAWN BY:	VC
CHECKED BY:	CMP
BID-CONTRACT:	

CLIENT

TOWN OF SURFSIDE

PROJECT

TOWN OF SURFSIDE - ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

PIPE NETWORK MAP

SHEET NUMBER	11494.M0
PROJECT NUMBER	EX-102

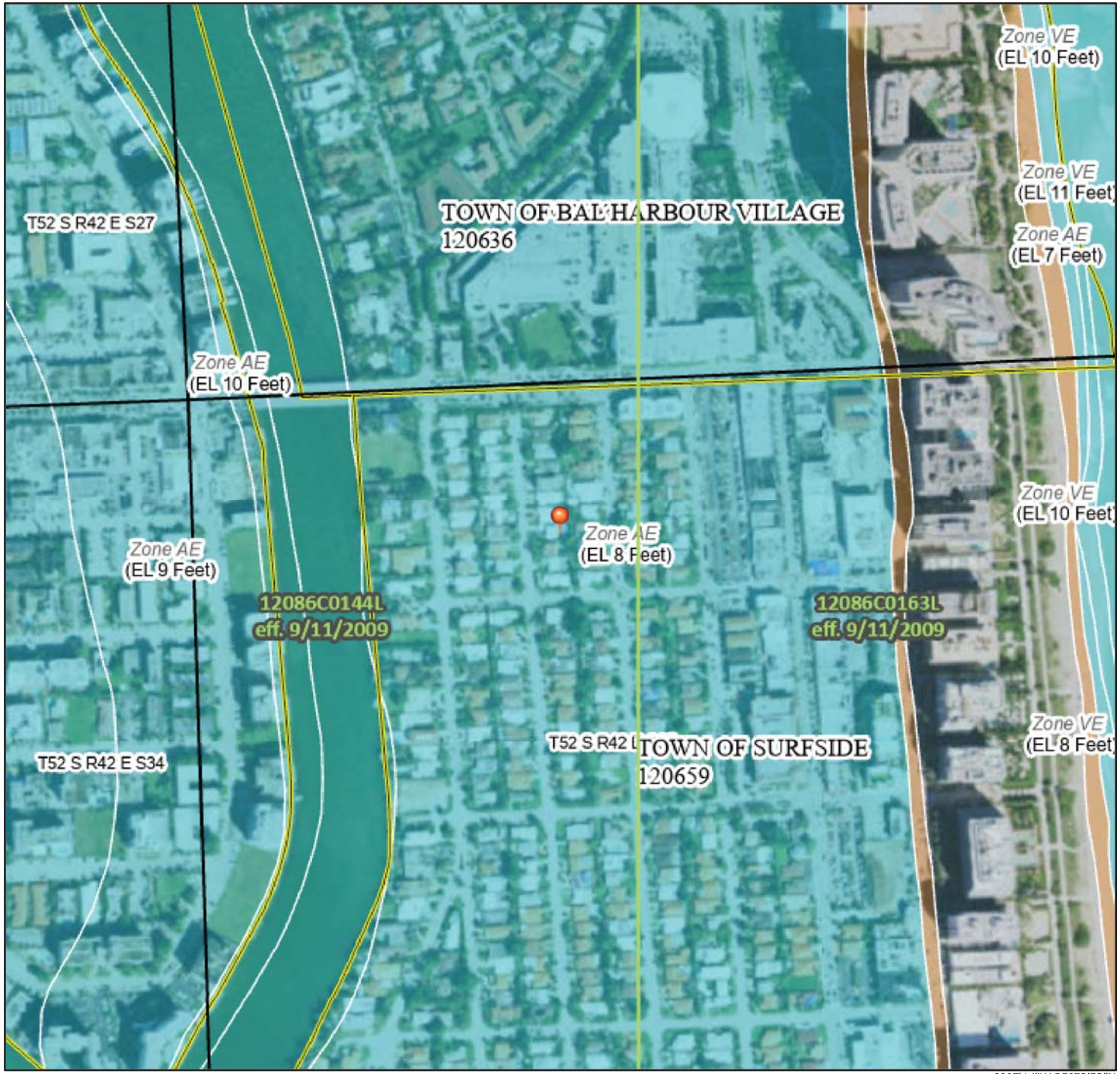
Appendix D

FEMA Flood Map

National Flood Hazard Layer FIRMette

FEMA

80°7'51"W 25°53'25"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

80°7'14"W 25°52'52"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/11/2021 at 3:15 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

National Flood Hazard Layer FIRMette

FEMA

80°7'31"W 25°53'22"N

80°6'53"W 25°52'50"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

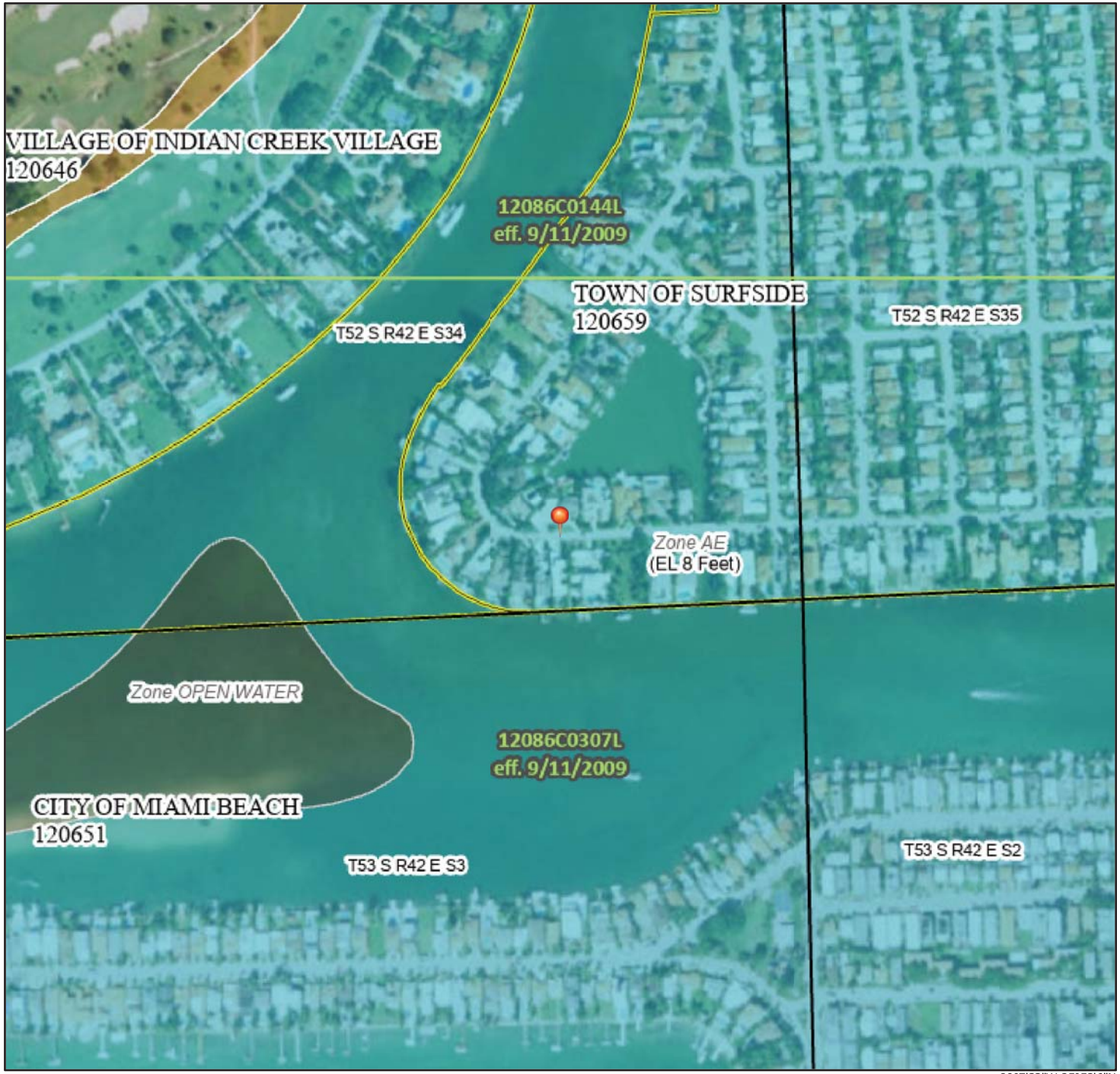
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/11/2021 at 3:17 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

National Flood Hazard Layer FIRMette

FEMA

80°8'10"W 25°52'38"N



80°7'33"W 25°52'6"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

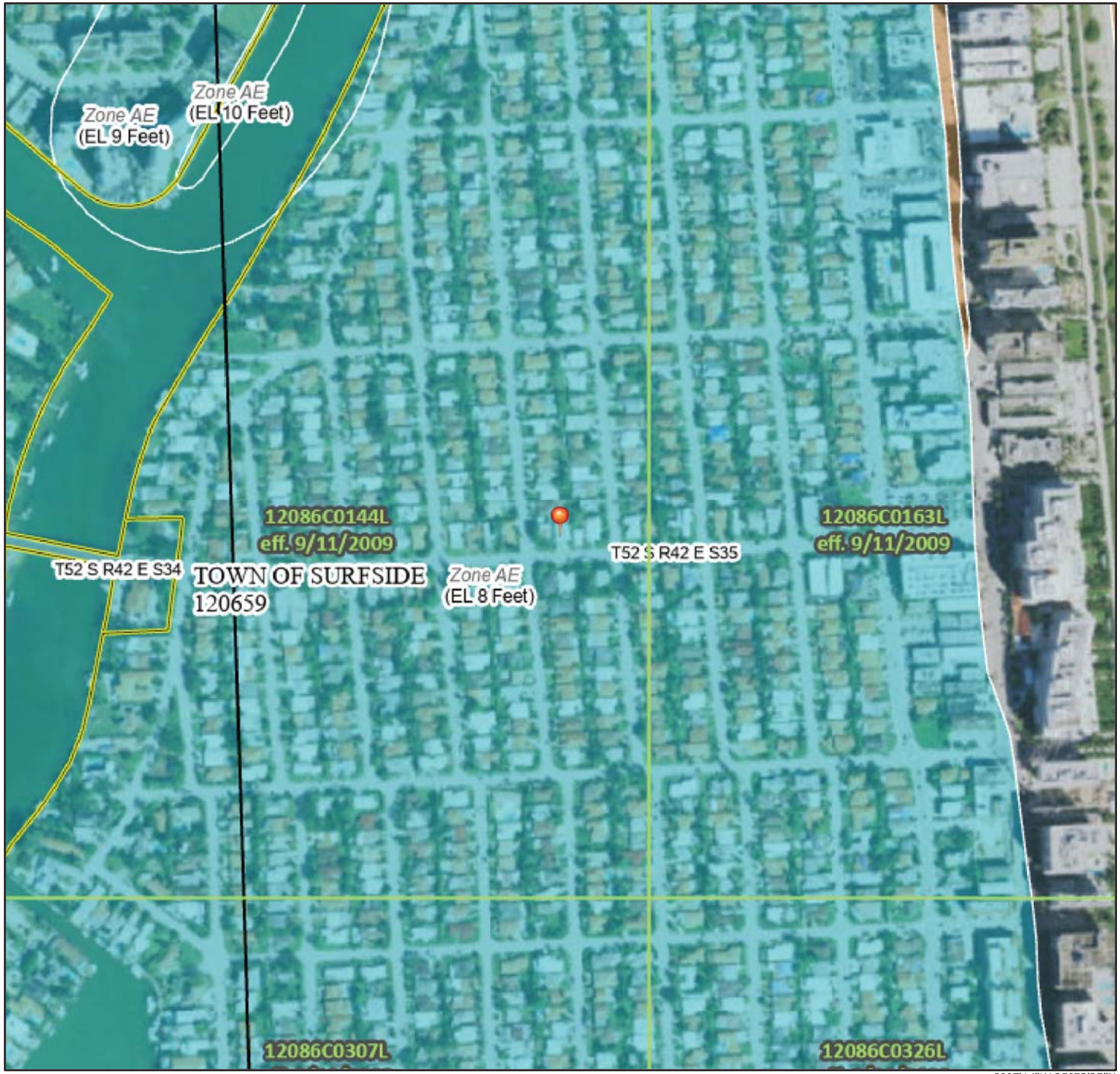
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/11/2021 at 3:12 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

National Flood Hazard Layer FIRMette

FEMA

80°7'52"W 25°52'57"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

80°7'14"W 25°52'25"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

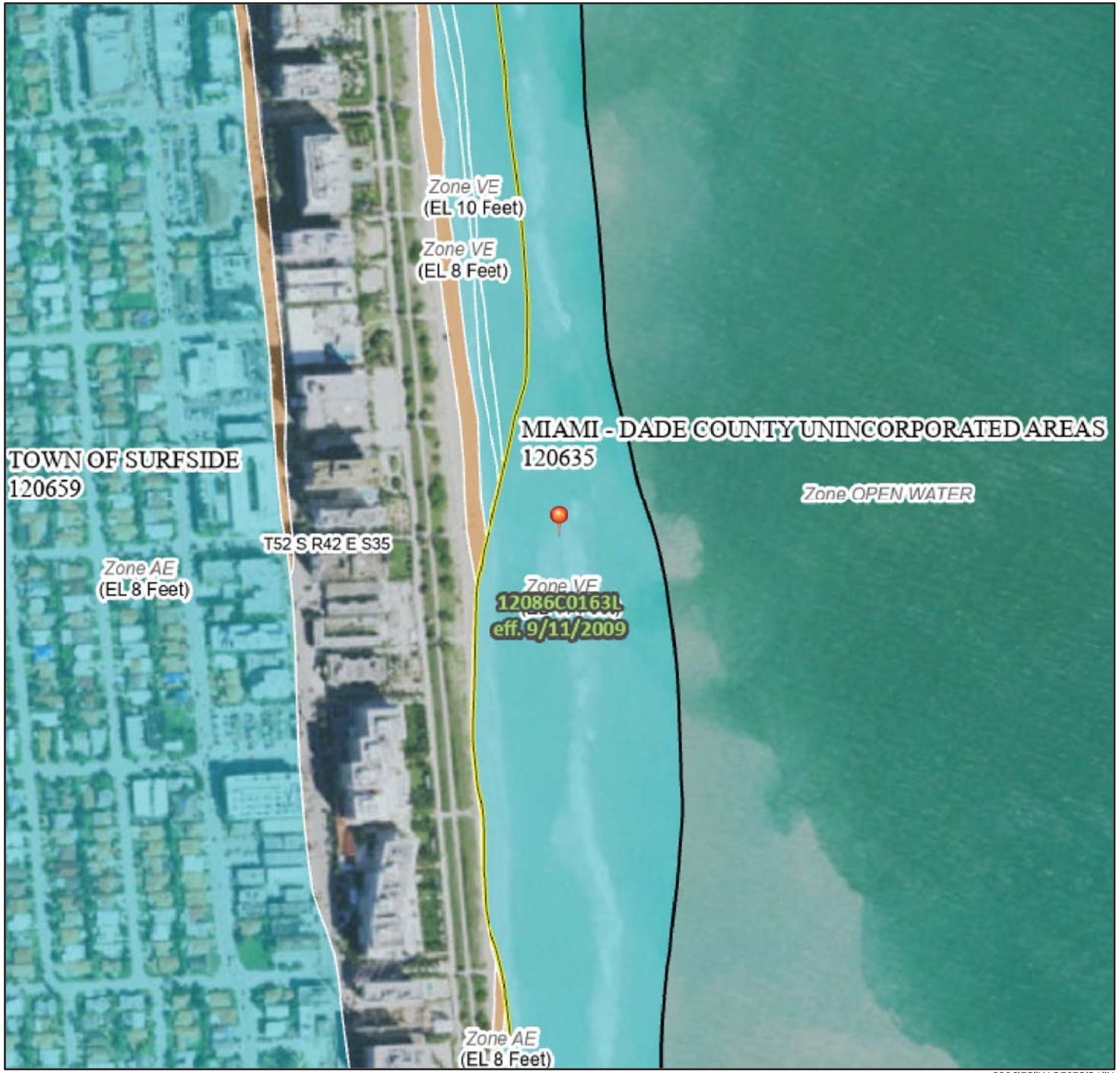
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/6/2021 at 10:44 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

National Flood Hazard Layer FIRMette

FEMA

80°7'29"W 25°53'4"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

80°6'52"W 25°52'31"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

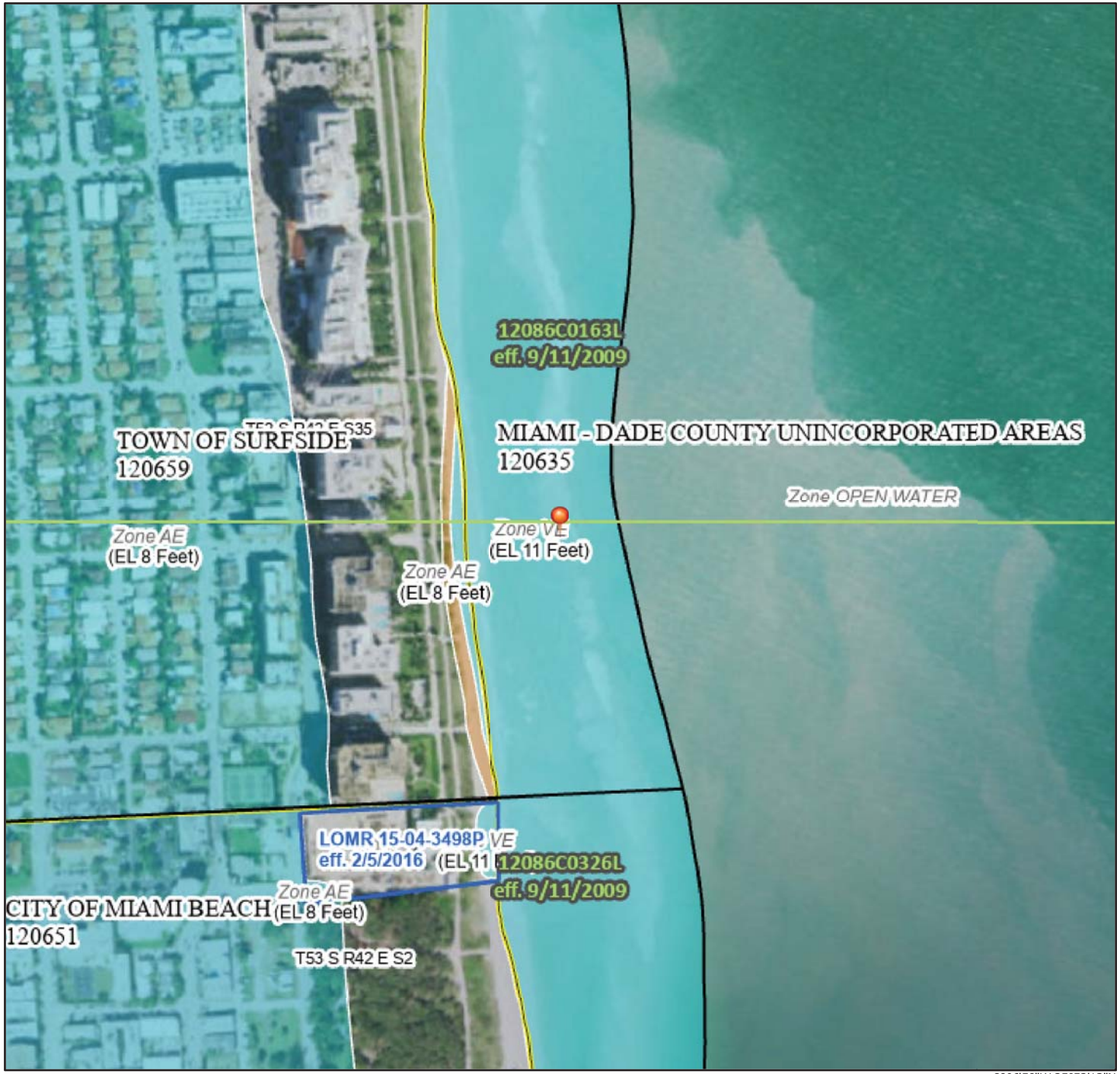
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/11/2021 at 3:18 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

National Flood Hazard Layer FIRMette

FEMA

80°7'27"W 25°52'46"N



80°6'50"W 25°52'13"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/11/2021 at 3:19 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix E

USGA Soils Map


80° 8' 3" W
80° 7' 7" W
586800
587000
587200
587400
587600
587800
588000
588200
25° 53' 18" N
25° 52' 11" N
2863600
2863400
2863200
2863000
2862800
2862600
2862400
2862200
2862000
2861800
2861600
922
95th St
Carlyle Ave
A1a
Dickens Ave
Abbott Ave
Bay Dr
Emerson Ave
Byron Ave
90th St
86th St
Biscaya Dr
15
99
100
39
Soil Map may not be valid at this scale.
Map Scale: 1:10,100 if printed on A portrait (8.5" x 11") sheet.
N
Meters
0 100 200 400 600
Feet
0 450 900 1800 2700
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Miami-Dade County Area, Florida
Survey Area Data: Version 12, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 6, 2019—Mar 24, 2020

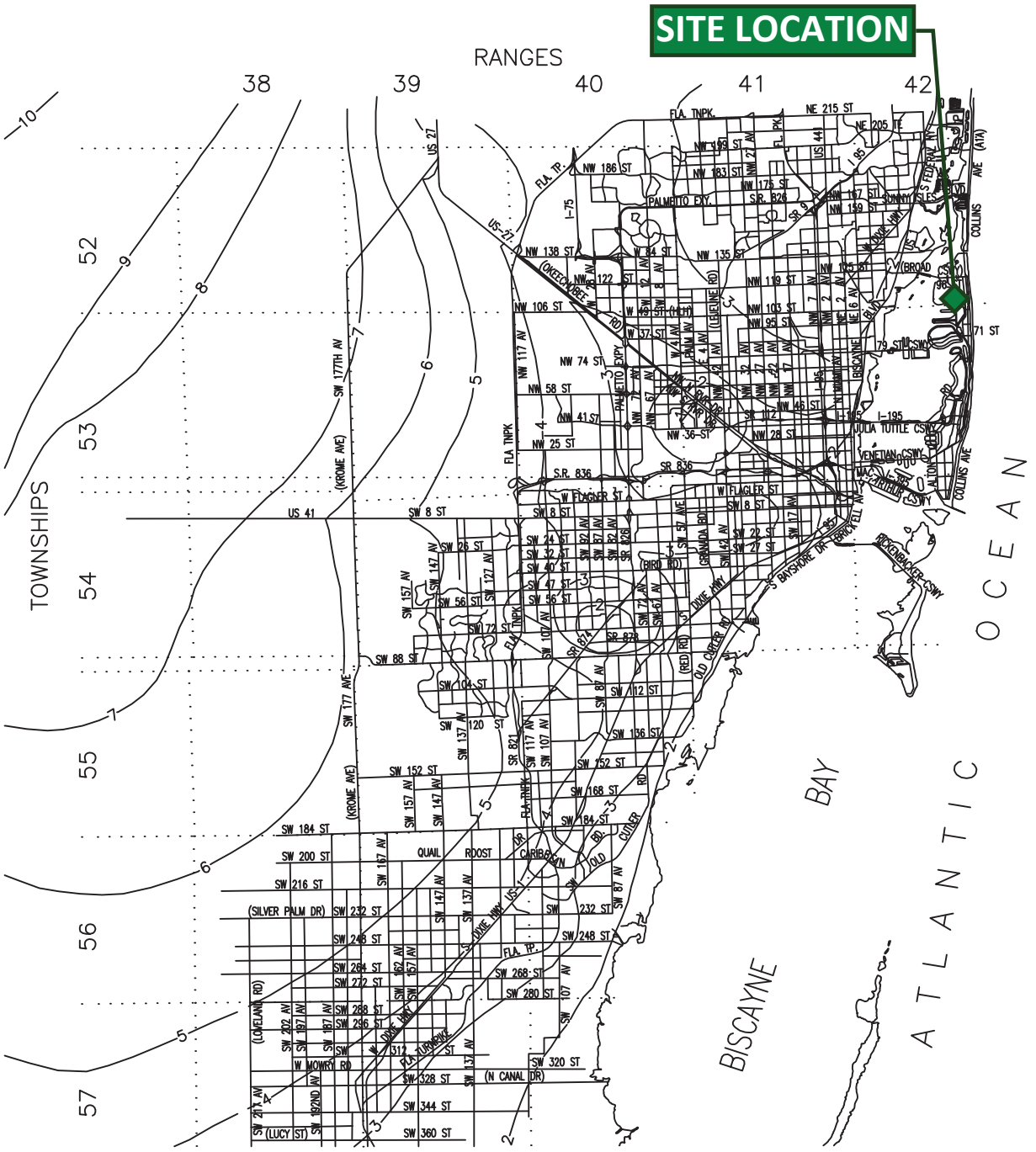
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
15	Urban land, 0 to 2 percent slopes	316.0	85.9%
39	Beaches	12.1	3.3%
99	Water	31.9	8.7%
100	Waters of the Atlantic Ocean	7.7	2.1%
Totals for Area of Interest		**367.7**	**100.0%**

Appendix F

Miami-Dade County Ground Water Level Map



NOTES:

1. CONTOUR INTERVAL 0.5 FOOT OR AS NOTED.
2. DATUM IS MEAN SEA LEVEL.
3. PREPARED FROM MIAMI–DADE FLOOD CRITERIA MAPS

1"=30,000'

0 1 2 3 4 5 6 7 8 9 10

SCALE IN MILES

KEITH
Engineering Inspired Design.
5805 BLUE LAGOON DRIVE, SUITE 218
MIAMI, FL 33126
(305) 667-5474

AVERAGE OCTOBER GROUND WATER LEVEL 1960-75

SECTION 29 , TOWNSHIP 52 , RANGE 42

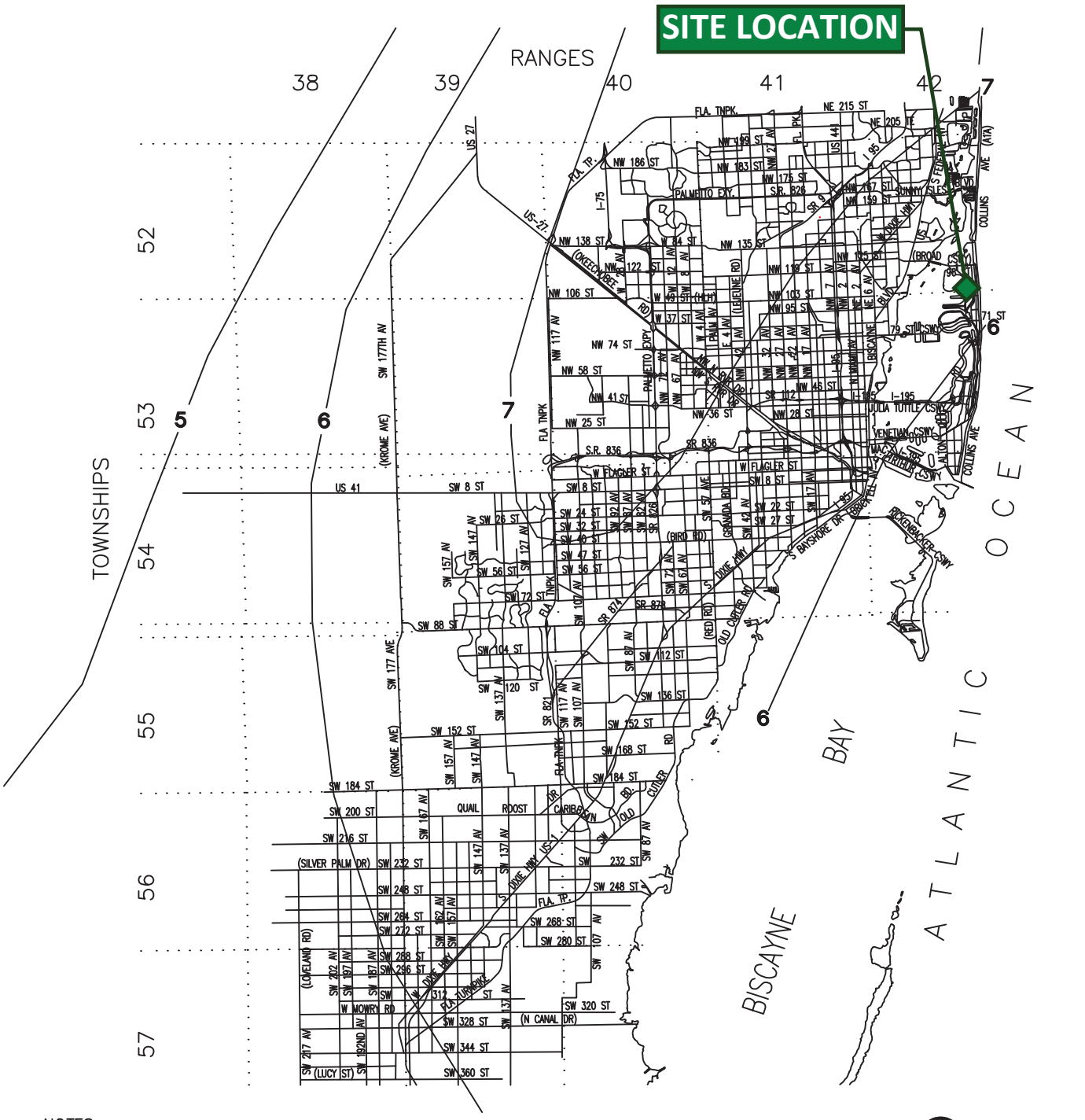
MIAMI-DADE COUNTY, FLORIDA

SHEET

C

Appendix G

Miami – Dade Rainfall Event Maps



NOTES:

1. CONTOUR INTERVAL IS INCHES.

1"=30,000'

0 1 2 3 4 5 6 7 8 9 10

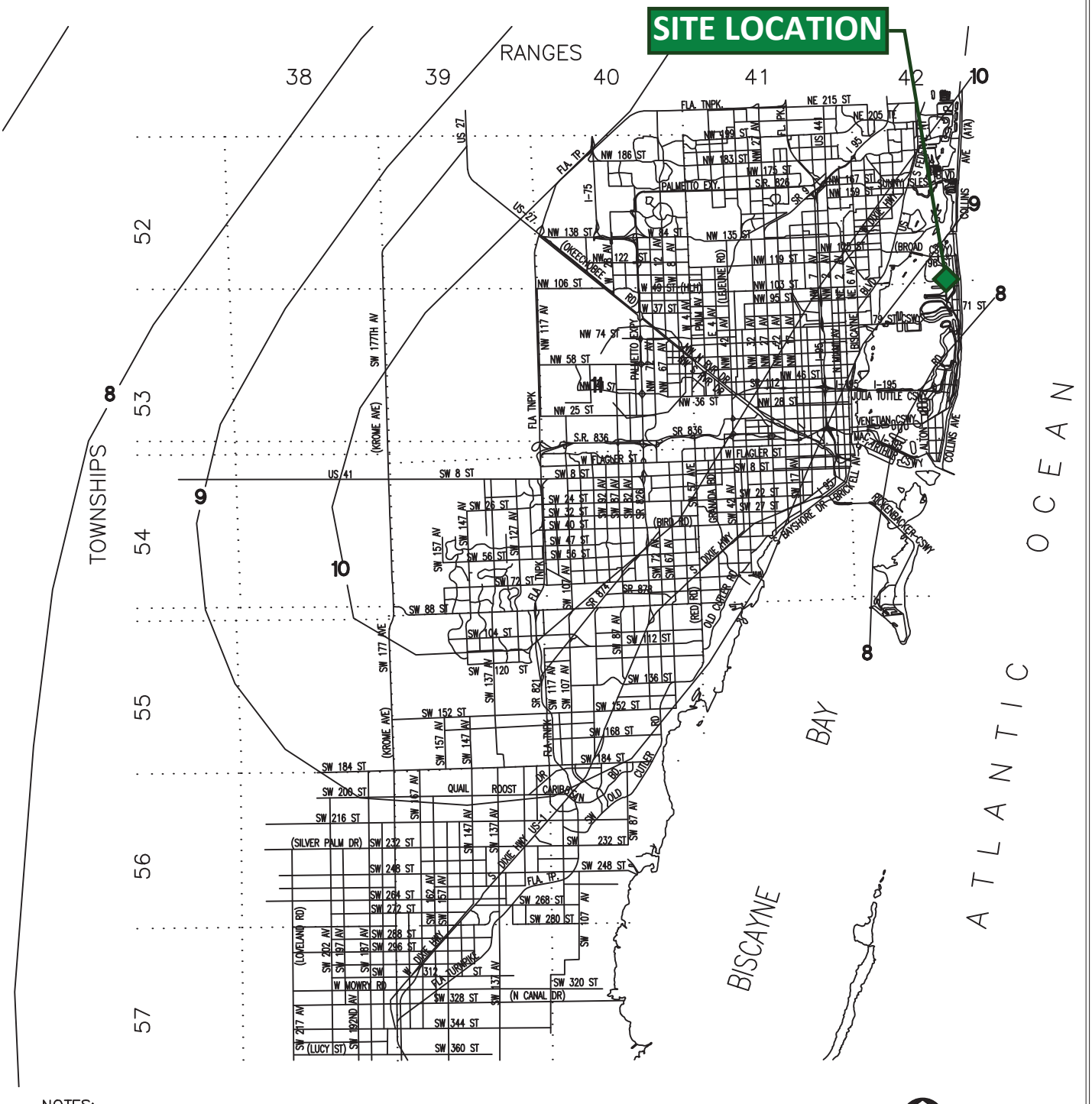
SCALE IN MILES

KEITH
Engineering Inspired Design.
5805 BLUE LAGOON DRIVE, SUITE 218
MIAMI, FL 33126
(305) 667-5474

MIAMI-DADE COUNTY
5 YEAR-1 DAY RAINFALL

SECTION 29 , TOWNSHIP 52 , RANGE 42
MIAMI-DADE COUNTY, FLORIDA

SHEET
D-1



NOTES:

1. CONTOUR INTERVAL IS INCHES.

KEITH
Engineering Inspired Design.
5805 BLUE LAGOON DRIVE, SUITE 218
MIAMI, FL 33126
(305) 667-5474

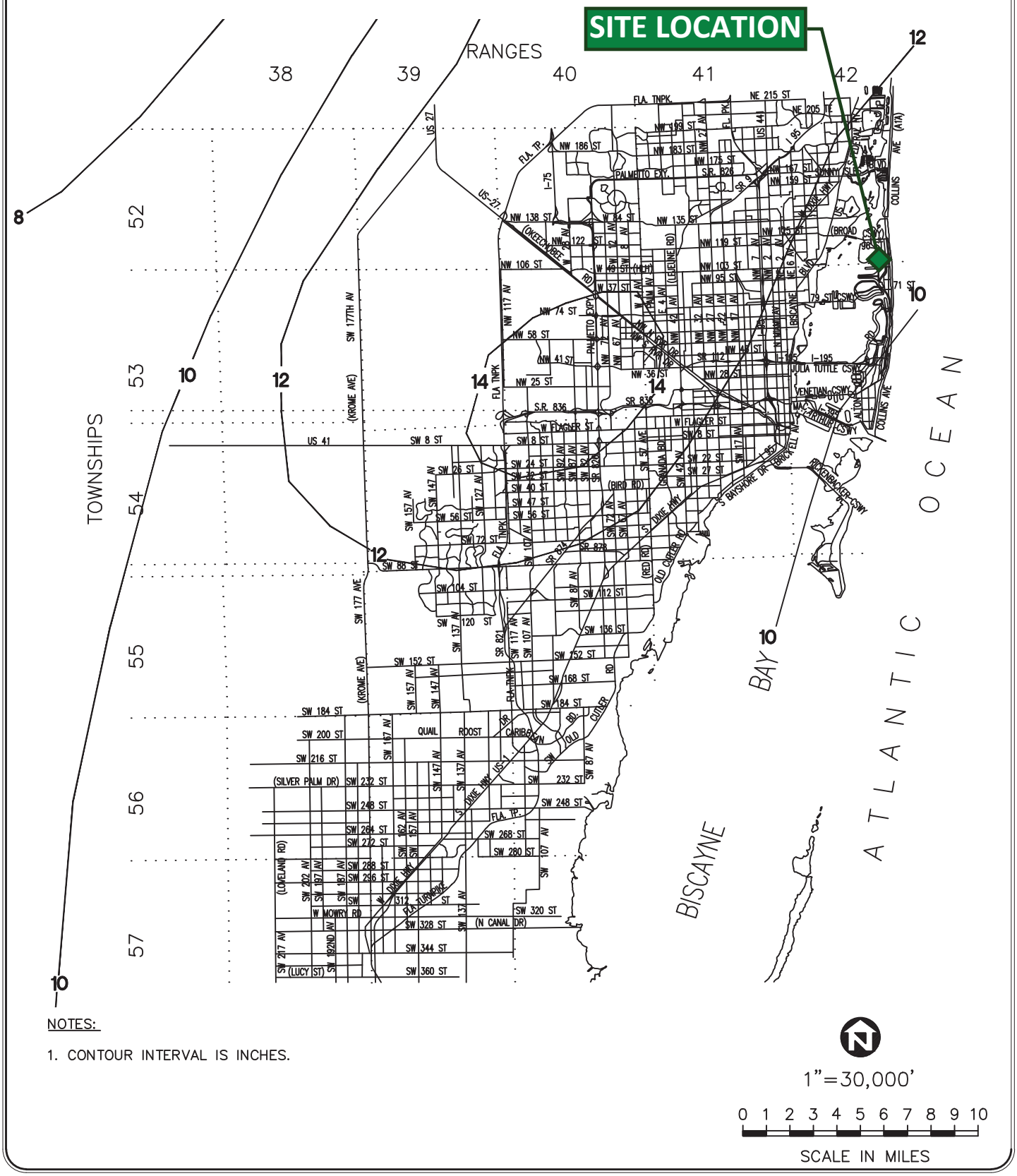
MIAMI-DADE COUNTY
25 YEAR-1 DAY RAINFALL

SECTION 29 , TOWNSHIP 52 , RANGE 42

MIAMI-DADE COUNTY, FLORIDA

SHEET

D-2



KEITH
Engineering Inspired Design.
5805 BLUE LAGOON DRIVE, SUITE 218
MIAMI, FL 33126
(305) 667-5474

MIAMI-DADE COUNTY
100 YEAR-1 DAY RAINFALL

SECTION 29 , TOWNSHIP 52 , RANGE 42
MIAMI-DADE COUNTY, FLORIDA

SHEET
D-3

NOAA Atlas 14, Volume 9, Version 2
Location name: Miami Beach, Florida, USA*
Latitude: 25.8788°, Longitude: -80.1246°
Elevation: 1.93 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Deborah Martin, Sandra Pavlovic, Ishani Roy, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Michael Yekta, Geoffery Bonnin

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.572 (0.465-0.701)	0.656 (0.534-0.806)	0.797 (0.646-0.981)	0.915 (0.737-1.13)	1.08 (0.841-1.38)	1.21 (0.919-1.57)	1.34 (0.984-1.78)	1.47 (1.04-2.01)	1.65 (1.12-2.32)	1.79 (1.18-2.56)
10-min	0.837 (0.682-1.03)	0.961 (0.782-1.18)	1.17 (0.946-1.44)	1.34 (1.08-1.66)	1.58 (1.23-2.02)	1.77 (1.35-2.29)	1.96 (1.44-2.60)	2.15 (1.52-2.95)	2.42 (1.64-3.40)	2.62 (1.73-3.74)
15-min	1.02 (0.831-1.25)	1.17 (0.954-1.44)	1.42 (1.15-1.75)	1.63 (1.32-2.02)	1.93 (1.50-2.46)	2.16 (1.64-2.80)	2.39 (1.76-3.18)	2.63 (1.85-3.59)	2.95 (2.00-4.14)	3.19 (2.11-4.56)
30-min	1.56 (1.27-1.91)	1.80 (1.46-2.21)	2.20 (1.78-2.71)	2.53 (2.04-3.14)	3.00 (2.34-3.83)	3.37 (2.56-4.36)	3.73 (2.74-4.96)	4.11 (2.90-5.62)	4.61 (3.13-6.49)	5.00 (3.30-7.15)
60-min	2.10 (1.71-2.57)	2.40 (1.96-2.95)	2.94 (2.38-3.62)	3.42 (2.76-4.23)	4.13 (3.24-5.33)	4.71 (3.60-6.16)	5.33 (3.94-7.14)	5.99 (4.24-8.25)	6.92 (4.71-9.79)	7.66 (5.06-11.0)
2-hr	2.64 (2.16-3.21)	3.01 (2.46-3.67)	3.69 (3.00-4.51)	4.31 (3.49-5.30)	5.26 (4.16-6.78)	6.06 (4.67-7.90)	6.93 (5.16-9.26)	7.88 (5.62-10.8)	9.22 (6.32-13.0)	10.3 (6.86-14.7)
3-hr	2.94 (2.42-3.57)	3.35 (2.75-4.08)	4.13 (3.37-5.03)	4.86 (3.95-5.96)	6.02 (4.80-7.79)	7.03 (5.45-9.17)	8.13 (6.09-10.9)	9.36 (6.71-12.8)	11.1 (7.67-15.7)	12.6 (8.39-17.8)
6-hr	3.44 (2.84-4.15)	3.97 (3.27-4.79)	4.98 (4.09-6.03)	5.95 (4.86-7.24)	7.50 (6.03-9.67)	8.85 (6.91-11.5)	10.4 (7.80-13.8)	12.0 (8.68-16.4)	14.4 (10.0-20.2)	16.4 (11.0-23.1)
12-hr	3.92 (3.25-4.69)	4.64 (3.84-5.57)	5.98 (4.94-7.20)	7.24 (5.94-8.75)	9.18 (7.40-11.7)	10.9 (8.49-14.0)	12.7 (9.58-16.7)	14.7 (10.6-19.9)	17.5 (12.2-24.4)	19.9 (13.4-27.8)
24-hr	4.48 (3.73-5.33)	5.38 (4.48-6.42)	7.02 (5.82-8.39)	8.52 (7.03-10.2)	10.8 (8.72-13.7)	12.7 (10.0-16.2)	14.8 (11.2-19.4)	17.1 (12.4-22.9)	20.3 (14.2-28.0)	22.9 (15.6-31.8)
2-day	5.27 (4.41-6.23)	6.26 (5.24-7.41)	8.05 (6.71-9.56)	9.70 (8.04-11.6)	12.2 (9.90-15.3)	14.3 (11.3-18.1)	16.6 (12.7-21.5)	19.1 (14.0-25.4)	22.6 (15.9-30.9)	25.4 (17.4-35.1)
3-day	5.91 (4.96-6.96)	6.94 (5.82-8.18)	8.80 (7.36-10.4)	10.5 (8.73-12.5)	13.1 (10.6-16.3)	15.2 (12.1-19.2)	17.6 (13.5-22.7)	20.1 (14.8-26.7)	23.7 (16.8-32.3)	26.6 (18.3-36.5)
4-day	6.49 (5.46-7.62)	7.52 (6.33-8.84)	9.38 (7.86-11.1)	11.1 (9.24-13.1)	13.7 (11.1-17.0)	15.8 (12.6-19.9)	18.2 (14.0-23.4)	20.7 (15.3-27.4)	24.3 (17.3-33.1)	27.2 (18.8-37.3)
7-day	7.97 (6.73-9.31)	8.94 (7.55-10.5)	10.7 (9.02-12.6)	12.4 (10.4-14.6)	14.9 (12.2-18.4)	17.0 (13.6-21.3)	19.4 (15.0-24.8)	21.9 (16.3-28.8)	25.6 (18.3-34.6)	28.5 (19.8-38.9)
10-day	9.14 (7.75-10.6)	10.2 (8.60-11.8)	12.0 (10.1-14.0)	13.7 (11.5-16.1)	16.3 (13.4-20.0)	18.5 (14.8-22.9)	20.8 (16.1-26.5)	23.4 (17.4-30.6)	27.0 (19.4-36.4)	30.0 (20.9-40.7)
20-day	12.0 (10.3-13.9)	13.6 (11.5-15.7)	16.1 (13.7-18.7)	18.3 (15.5-21.4)	21.4 (17.6-25.8)	23.9 (19.1-29.2)	26.4 (20.5-33.2)	29.1 (21.7-37.5)	32.7 (23.5-43.4)	35.4 (24.8-47.8)
30-day	14.4 (12.3-16.6)	16.4 (14.0-18.9)	19.6 (16.6-22.6)	22.2 (18.8-25.7)	25.7 (21.0-30.7)	28.4 (22.8-34.4)	31.1 (24.1-38.6)	33.7 (25.2-43.2)	37.2 (26.8-49.0)	39.8 (28.0-53.4)
45-day	17.5 (15.0-20.0)	19.9 (17.0-22.8)	23.7 (20.2-27.3)	26.7 (22.7-30.9)	30.7 (25.1-36.3)	33.6 (26.9-40.4)	36.3 (28.2-44.8)	39.0 (29.1-49.5)	42.2 (30.5-55.2)	44.6 (31.5-59.6)
60-day	20.2 (17.3-23.1)	22.9 (19.6-26.2)	27.1 (23.1-31.1)	30.3 (25.8-35.0)	34.5 (28.3-40.6)	37.5 (30.1-44.9)	40.3 (31.3-49.4)	42.8 (32.1-54.1)	45.9 (33.2-59.8)	48.0 (34.0-64.0)

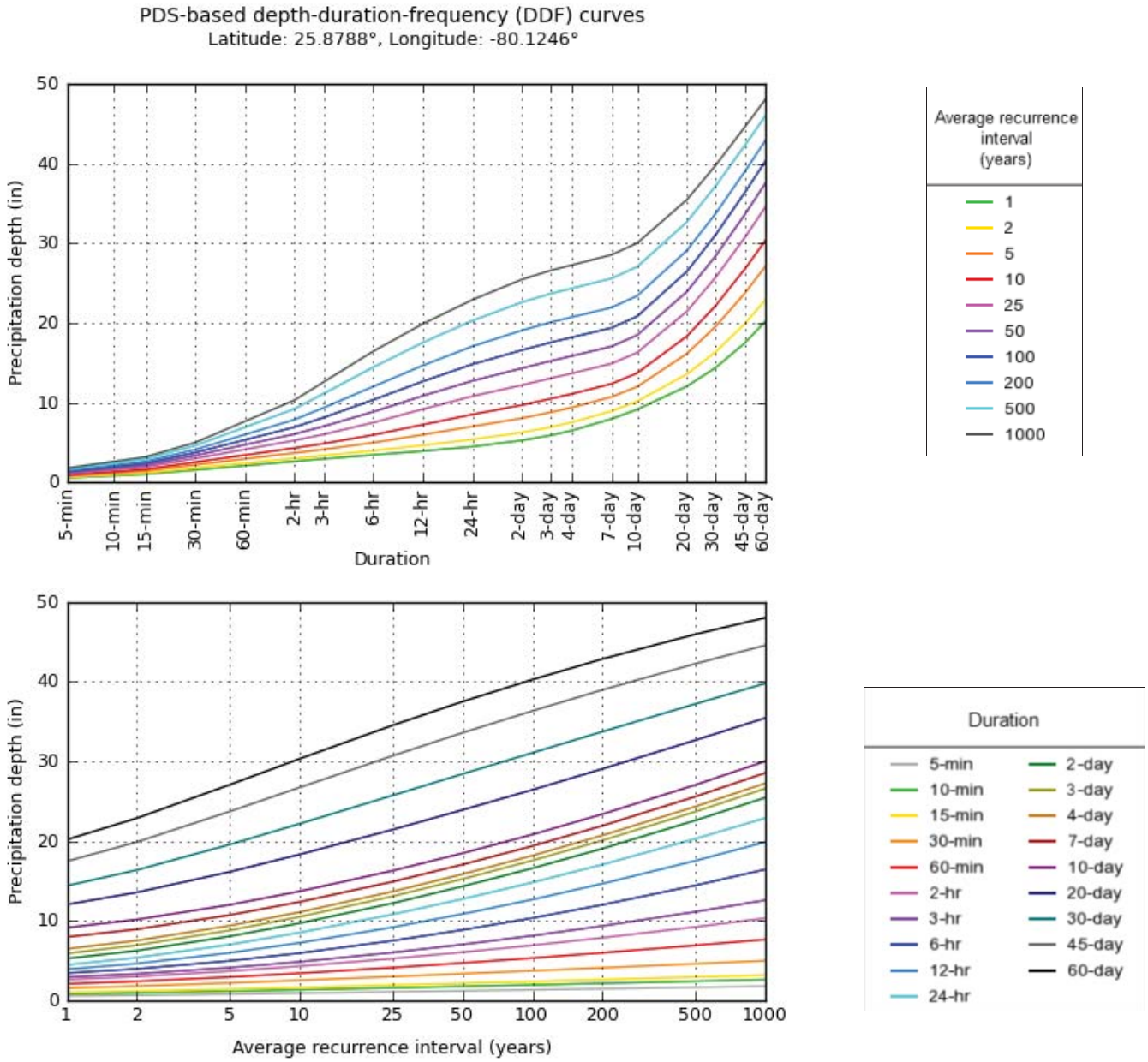
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

Back to Top

PF graphical



NOAA Atlas 14, Volume 9, Version 2

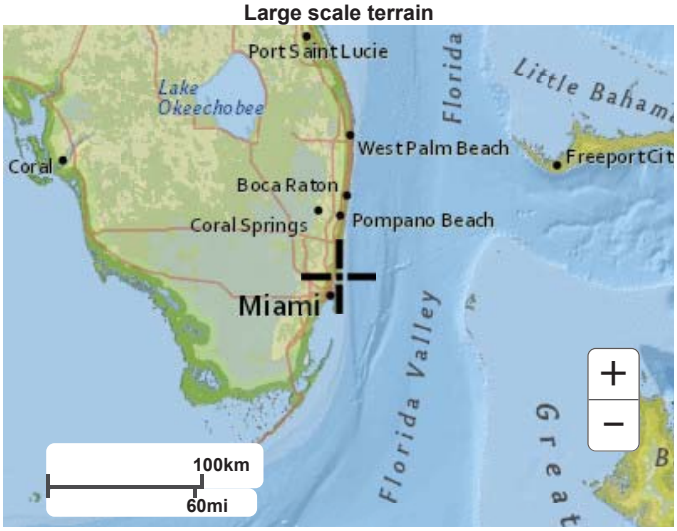
Created (GMT): Thu May 6 18:15:18 2021

Back to Top

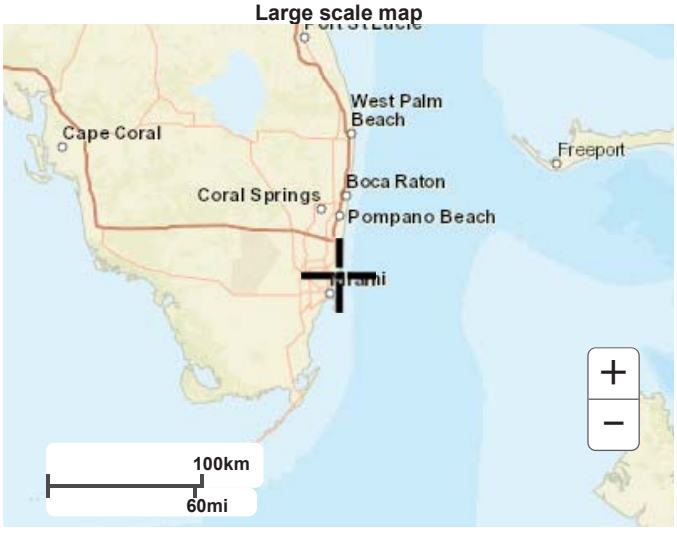
Maps & aerials

Small scale terrain

Large scale terrain



Large scale map



Large scale aerial

Appendix H

Town of Surfside Drainage Well Certification

Jaffer Well Drilling, a Division
of A.C. Schultes of Florida, Inc.
1451 SE 9th Court
Hialeah, Fl 33010
Dade: 305/576-7363
Broward: 954/523-6669

October 17, 2012

Department of Environmental Protection
400 North Congress Avenue
West Palm Beach, 33401

Attn: Gardner Strasser

RE: Town of Surfside Drainage Improvements
Permit # 0302036-003-UC

Gardner,

Enclosed are the requisite well completion reports, certificates of completion and water quality analyses.
The wells were capped awaiting use authorization. A Reasonable Assurance Report was approved within the permit.

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUTE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE.
I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS"

Greg Schultes
Jaffer Well Drilling
A Division of A.C Schultes of Florida

Cc: John O'Brien
William McCluskey

Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

DEP Form No:	62-528.900(4)
Form Title:	Certification of Class V Well construction Completion
Effective Date:	
DEP Application No.:	(Filled in by DEP)

Town of Surfside

CERTIFICATION OF CLASS V WELL CONSTRUCTION COMPLETION

INSTRUCTIONS: Submit this certification to the Department along with a signed copy of the Well Completion Report from the appropriate Water Managemant District.

DEP Construction Permit No. 0302036-003-UC issued on 10/17/11 (Date). County Dade

Owner's Name Town of Surfside · Bill Evans, Public Works Director

Owner's Address 9293 Harding Avenue

City Surfside State FL Zip 33154

Well Contractor's Name Greg Schultes, Jetter Well Drilling

Title Production Supervisor State License No. 2377

Well Contractor's Address 1951 SE 9 Ct

City Hialeah State FL Zip 33010

Well Location as per plan

Deviations from the application and plans approved by the Department:

None

Actual Dimensions:

Diameter 24 inches

Well depth 97 feet

Casing depth 55 feet

P.S. # 1

DW-01

This is to certify that, with the exception of the deviations noted above, the construction of this well has been completed in accordance with the plans authorized by Construction Permit No. 0302036-003-UC, dated 10/17/12.

Date: 10/17/12

(Contractor's Signature)

permit issued 10-17-11 was 9864.

RECEIVED

OCT 19 2012

FL DEP
WEST PALM BEACH

STATE OF FLORIDA WELL COMPLETION REPORT

Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Date Stamp

Official Use Only

1.*Permit Number 0302036-003-UC CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 9 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Town of Surfside ; Bill Evans. 4.*Completion Date 7/10/12 5. Florida Unique ID _____

6. Surfside : Pump Station #1 at 94 street ; Well DW-1
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Dade *Section _____ Land Grant _____ *Township _____ *Range _____

8. Latitude 25° 52' 59.89" Longitude 80° 07' 37.88"

9. Data Obtained From: ☐ GPS ☐ Map ☑ Survey Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: ☑ Construction ☐ Repair ☐ Modification ☐ Abandonment

11.*Specify Intended Use(s) of Well(s)

☐ Domestic
☐ Bottled Water Supply
☐ Public Water Supply (Limited Use/DOH)
☐ Public Water Supply (Community or Non-Community/DEP)
☐ Class I Injection
☐ Landscape Irrigation
☐ Recreation Area Irrigation
☐ Agricultural Irrigation
☐ Livestock
☐ Nursery Irrigation
☐ Commercial/Industrial
☐ Golf Course Irrigation
☐ Site Investigations
☐ Monitoring
☐ Test
☐ Earth-Coupled Geothermal
☐ HVAC Supply
☐ HVAC Return

Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☑ Drainage

Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____

☐ Other (Describe) _____

12. *Drill Method: ☐ Auger ☐ Cable Tool ☑ Rotary ☐ Combination (Two or More Methods) ☐ Jetted ☐ Sonic ☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ☑ Other Casing driven.

13.*Measured Static Water Level 4 ft. Measured Pumping Water Level 5' ft. After -5 Hours a 620 GPM

14.*Measuring Point (Describe) grade Which is ____ ft. ____ Above ____ Below Land Surface *Flowing: ☐ Yes ☑ No

15.*Casing Material: ☑ Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Not Cased ☐ Other _____

16.*Total Well Depth 97 ft. Cased Depth 55 ft. *Open Hole: From 55 To 97 ft. *Screen: From N.A To ____ ft. Slot Size ____

17.*Abandonment: ☐ Other (Explain) _____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

18.*Surface Casing Diameter and Depth:

Dia 24 in. From 0 ft. To 55 ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☑ Other Driven
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

19.*Primary Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

20.*Liner Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

21.*Telescope Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

22. Pump Type (If Known):
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower ____ Pump Capacity (GPM) ____
Pump Depth ____ ft. Intake Depth ____ ft.

23. Chemical Analysis (When Required):
Iron ____ ppm Sulfate ____ ppm Chloride 28,600 ppm
☑ Laboratory Test ☐ Field Test Kit TDS

24. Water Well Contractor:
*Contractor Name Greg Schultes *License Number 9377 E-mail Address greg.acsfl@verizon.net

*Contractor's Signature _____ *Driller's Name (Print or Type) _____
(I certify that the information provided in this report is accurate and true.)

*Permit No. 0302036-003-UC

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

DW-01

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	0	To	20	Color		Grain Size (F, M, C)	Material: sand, silt, shell
From	20	To	35	Color		Grain Size (F, M, C)	Material: lime, fine sandstone
From	35	To	45	Color		Grain Size (F, M, C)	Material: Sand, fine
From	45	To	97	Color		Grain Size (F, M, C)	Material: limestone & coquina
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material
From		To		Color		Grain Size (F, M, C)	Material

Comments: _____

***Detailed Site Map of Well Location**

N

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

July 30, 2012

Bill McCluskey
Jaffer Well Drilling - a div of A.C. Schultes of FL, Inc
1451 SE 9th Court
Hialeah, FL 33010

RE: Project: Surf Side
Pace Project No.: 3563129

Dear Bill McCluskey:
Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Terrence Anderson

terrence.anderson@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: Surf Side
Pace Project No.: 3563129

Sample: DW-01 **Lab ID: 3563129001** Collected: 07/11/12 00:00 Received: 07/24/12 17:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**28600**	mg/L	250	250	1		07/26/12 18:49		

Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

DEP Form No: 62-528.900(4)
Form Title: Certification of Class V Well construction Completion
Effective Date:
DEP Application No.: (Filled in by DEP)

Town of Surfside

CERTIFICATION OF CLASS V WELL CONSTRUCTION COMPLETION

INSTRUCTIONS: Submit this certification to the Department along with a signed copy of the Well Completion Report from the appropriate Water Managemant District.

DEP Construction Permit No. 0302036-003-UC issued on 10/17/11 (Date). County Dade

Owner's Name Town of Surfside · Bill Evans, Public Works Director

Owner's Address 9293 Harding Avenue

City Surfside State FL Zip 33154

Well Contractor's Name Greg Schultes, Jetter Well Drilling

Title Production Supervisor State License No. 9377

Well Contractor's Address 1451 SE 9 Ct

City Hialeah State FL Zip 33010

Well Location as per plan

Deviations from the application and plans approved by the Department:

none

Actual Dimensions:

Diameter 24 inches

Well depth 98 feet

Casing depth 52.5 feet

P.S. #1

DW-02

This is to certify that, with the exception of the deviations noted above, the construction of this well has been completed in accordance with the plans authorized by Construction Permit No. 0302036-003-UC, dated 10/17/12.

Date: 10/17/12

(Contractor's Signature)

RECEIVED

OCT 19 2012

FL DEP
WEST PALM BEACH

STATE OF FLORIDA WELL COMPLETION REPORT

Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

RECEIVED
OCT 15 2012
FL DEP
WEST PALM BEACH

Date Stamp

Official Use Only

1.*Permit Number 0302036-003-UC CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 9 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Town of Surfside ; Bill Evans. 4.*Completion Date 7/16/12 5. Florida Unique ID _____

6. Surfside : Pump Station #1 @ 94 St ; Well DW-2
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Dade *Section _____ Land Grant _____ *Township _____ *Range _____

8. Latitude 25° 52' 59.73" Longitude 80° 07' 37.25"

9. Data Obtained From: ☐ GPS ☐ Map ☑ Survey Datum: ____ NAD 27 ____ NAD 83 ____ WGS 84

10.*Type of Work: ☑ Construction ☐ Repair ☐ Modification ☐ Abandonment

11.*Specify Intended Use(s) of Well(s)

- ☐ Domestic
- ☐ Bottled Water Supply
- ☐ Public Water Supply (Limited Use/DOH)
- ☐ Public Water Supply (Community or Non-Community/DEP)
- ☐ Class I Injection
- ☐ Landscape Irrigation
- ☐ Recreation Area Irrigation
- ☐ Agricultural Irrigation
- ☐ Livestock
- ☐ Nursery Irrigation
- ☐ Commercial/Industrial
- ☐ Golf Course Irrigation
- ☐ Site Investigations
- ☐ Monitoring
- ☐ Test
- ☐ Earth-Coupled Geothermal
- ☐ HVAC Supply
- ☐ HVAC Return

Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☑ Drainage

Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____

☐ Other (Describe) _____

12. *Drill Method: ☐ Auger ☐ Cable Tool ☑ Rotary ☐ Combination (Two or More Methods) ☐ Jetted ☐ Sonic ☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ☑ Other Casing driven.

13.*Measured Static Water Level 4 ft. Measured Pumping Water Level 5' ft. After .5 Hours at 800 GPM

14.*Measuring Point (Describe) grade Which is ____ ft. ____ Above ____ Below Land Surface *Flowing: ☐ Yes ☑ No

15.*Casing Material: ☑ Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Not Cased ☐ Other _____

16.*Total Well Depth 98 ft. Cased Depth 52.5 ft. *Open Hole: From 52.5 To 98 ft. *Screen: From N/A To ____ ft. Slot Size ____

17.*Abandonment: ☐ Other (Explain) _____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

18.*Surface Casing Diameter and Depth:

Dia 24 in. From 0 ft. To 52.5 ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☑ Other Driven

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

19.*Primary Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

20.*Liner Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

21.*Telescope Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

22. Pump Type (If Known):
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower ____ Pump Capacity (GPM) ____
Pump Depth ____ ft. Intake Depth ____ ft.

23. Chemical Analysis (When Required):
Iron ____ ppm Sulfate ____ ppm Chloride 36,000 ppm
☑ Laboratory Test ☐ Field Test Kit TDS

24. Water Well Contractor:
*Contractor Name Greg Schultes *License Number 9377 E-mail Address greg.acsfl@verizon.net

*Contractor's Signature _____ *Driller's Name (Print or Type) _____
(I certify that the information provided in this report is accurate and true.)

*Permit No. 0302036-003-UC

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680 DW-02
PHONE: (561) 686-8800
WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	To	Color	Grain Size (F, M, C)	Material
0 ft.	20 ft.			Sand, silt, shell
20 ft.	35 ft.			limestone + sandstone
35 ft.	45 ft.			sandstone
45 ft.	97 ft.			limestone + coquina
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			

Comments:

***Detailed Site Map of Well Location**

N

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

July 30, 2012

Bill McCluskey
Jaffer Well Drilling - a div of A.C. Schultes of FL, Inc
1451 SE 9th Court
Hialeah, FL 33010

RE: Project: Surf Side
Pace Project No.: 3563129

Dear Bill McCluskey:
Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Terrence Anderson

terrence.anderson@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: Surf Side
Pace Project No.: 3563129

Sample: DW-02 **Lab ID: 3563129002** Collected: 07/16/12 00:00 Received: 07/24/12 17:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**36000**	mg/L	250	250	1		07/26/12 18:50		

Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

DEP Form No:	62-528.900(4)
Form Title:	Certification of Class V Well construction Completion
Effective Date:	
DEP Application No.:	(Filled in by DEP)

Town of Surfside

CERTIFICATION OF CLASS V WELL CONSTRUCTION COMPLETION

INSTRUCTIONS: Submit this certification to the Department along with a signed copy of the Well Completion Report from the appropriate Water Managemant District.

DEP Construction Permit No. 0302036-003-UC issued on 10/17/11 (Date). County Dade

Owner's Name Town of Surfside: Bill Evans, Public Works Director

Owner's Address 9293 Harding Avenue

City Surfside State FL Zip 33154

Well Contractor's Name Greg Schultes, Jetter Well Drilling

Title Production Supervisor State License No. 2377

Well Contractor's Address 1951 SE 9 Ct

City Hialeah State FL Zip 33010

Well Location as per plan

Deviations from the application and plans approved by the Department:

none

Actual Dimensions:

Diameter 24 inches

Well depth 98 feet

Casing depth 52.5 feet

P.S. #1

DW-03

This is to certify that, with the exception of the deviations noted above, the construction of this well has been completed in accordance with the plans authorized by Construction Permit No. 0302036-003-UC, dated 10/17/11.

Date: 10/17/12

(Contractor's Signature)

RECEIVED

OCT 19 2012

FL DEP
WEST PALM BEACH

STATE OF FLORIDA WELL COMPLETION REPORT

Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Date Stamp
RECEIVED
OCT 15 2012
FL DEP
WEST PALM BEACH
Official Use Only

1.*Permit Number 0302036-003-UC CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 9 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Town of Surfside ; Bill Evans. 4.*Completion Date 7/20/12 5. ~~Florida~~ Unique ID _____

6. Surfside : Pump Station #1 at 94 St ; Well DW-09
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Dade *Section _____ Land Grant _____ *Township _____ *Range _____

8. Latitude 25° 52' 59.76" Longitude 80° 07' 36.60"

9. Data Obtained From: ☐ GPS ☐ Map ☑ Survey Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: ☑ Construction ☐ Repair ☐ Modification ☐ Abandonment

11.*Specify Intended Use(s) of Well(s)

- ☐ Domestic
- ☐ Bottled Water Supply
- ☐ Public Water Supply (Limited Use/DOH)
- ☐ Public Water Supply (Community or Non-Community/DEP)
- ☐ Class I Injection
- ☐ Landscape Irrigation
- ☐ Recreation Area Irrigation
- ☐ Agricultural Irrigation
- ☐ Livestock
- ☐ Nursery Irrigation
- ☐ Commercial/Industrial
- ☐ Golf Course Irrigation
- ☐ Site Investigations
- ☐ Monitoring
- ☐ Test
- ☐ Earth-Coupled Geothermal
- ☐ HVAC Supply
- ☐ HVAC Return

Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☑ Drainage

Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____

☐ Other (Describe) _____

12. *Drill Method: ☐ Auger ☐ Cable Tool ☑ Rotary ☐ Combination (Two or More Methods) ☐ Jetted ☐ Sonic ☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ☑ Other Casing driven.

13.*Measured Static Water Level 4 ft. Measured Pumping Water Level 5' ft. After -5 Hours at 800 GPM

14.*Measuring Point (Describe) grade Which is _____ ft. _____ Above _____ Below Land Surface *Flowing: ☐ Yes ☑ No

15.*Casing Material: ☑ Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Not Cased ☐ Other _____

16.*Total Well Depth 98 ft. Cased Depth 52.5 ft. *Open Hole: From 52.5 To 98' ft. *Screen: From N/A To _____ ft. Slot Size

17.*Abandonment: ☐ Other (Explain) _____

From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____

18.*Surface Casing Diameter and Depth:

Dia 24 in. From 0 ft. To 52.5 ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☑ Other Driven

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____

19.*Primary Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____

20.*Liner Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____

21.*Telescope Casing Diameter and Depth:

Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____

22. Pump Type (If Known):
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower _____ Pump Capacity (GPM) _____
Pump Depth _____ ft. Intake Depth _____ ft.

23. Chemical Analysis (When Required):
Iron _____ ppm Sulfate _____ ppm ~~Chloride~~ 35,000 ppm
☑ Laboratory Test ☐ Field Test Kit TDS

24. Water Well Contractor:
*Contractor Name Greg Sckultes *License Number 9377 E-mail Address greg.acsfl@verizon.net

*Contractor's Signature _____ *Driller's Name (Print or Type) _____
(I certify that the information provided in this report is accurate and true.)

*Permit No. 0302036-003-UC

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

OW-03

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	0	To	20	Color		Grain Size (F, M, C)		Material Sand, silty, shell
From	20	To	35	Color		Grain Size (F, M, C)		Material Limestone & sandstone
From	35	To	45	Color		Grain Size (F, M, C)		Material Sandstone
From	45	To	98	Color		Grain Size (F, M, C)		Material Limestone & Coquina
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material

Comments: _____

***Detailed Site Map of Well Location**

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

July 30, 2012

Bill McCluskey
Jaffer Well Drilling - a div of A.C. Schultes of FL, Inc
1451 SE 9th Court
Hialeah, FL 33010

RE: Project: Surf Side
Pace Project No.: 3563129

Dear Bill McCluskey:
Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Terrence Anderson

terrence.anderson@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: Surf Side
Pace Project No.: 3563129

Sample: DW-03 **Lab ID: 3563129003** Collected: 07/19/12 00:00 Received: 07/24/12 17:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**35000**	mg/L	250	250	1		07/26/12 18:51		

Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

DEP Form No:	62-528.900(4)
Form Title:	Certification of Class V Well construction Completion
Effective Date:	
DEP Application No.:	(Filled in by DEP)

Town of Surfside

CERTIFICATION OF CLASS V WELL CONSTRUCTION COMPLETION

INSTRUCTIONS: Submit this certification to the Department along with a signed copy of the Well Completion Report from the appropriate Water Managemant District.

DEP Construction Permit No. 0302036-003-UC issued on 10/17/11 (Date). County Dade

Owner's Name Town of Surfside · Bill Evans, Public Works Director

Owner's Address 9293 Harding Avenue

City Surfside State FL Zip 33154

Well Contractor's Name Greg Schultes, Telter Well Drilling

Title Production Supervisor State License No. 9377

Well Contractor's Address 1951 SE 9 Ct

City Hialeah State FL Zip 33010

Well Location as per plan

Deviations from the application and plans approved by the Department:

none

Actual Dimensions:

Diameter 24 inches

Well depth 96 feet

Casing depth 56.5 feet

P.S. #2

DW-04

This is to certify that, with the exception of the deviations noted above, the construction of this well has been completed in accordance with the plans authorized by Construction Permit No. 0302036-003-UC, dated 10/17/11.

Date: 10/17/12

(Contractor's Signature)

RECEIVED

OCT 19 2012

FL DEP
WEST PALM BEACH

STATE OF FLORIDA WELL COMPLETION REPORT

Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Date Stamp

Official Use Only

1.*Permit Number 0302036-003-UC CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 9 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Town of Surfside ; Bill Evans ; 4.*Completion Date 9/25/12 5. Florida Unique ID _____

6. Surfside : Pump Station #2 at 895 ft ; Well DW-04
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Dade *Section _____ Land Grant _____ *Township _____ *Range _____

8. Latitude 25° 52' 27.66" Longitude 80° 07' 45.89"

9. Data Obtained From: ☐ GPS ☐ Map ☑ Survey Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: ☑ Construction ☐ Repair ☐ Modification ☐ Abandonment

11.*Specify Intended Use(s) of Well(s)

- ☐ Domestic
- ☐ Bottled Water Supply
- ☐ Public Water Supply (Limited Use/DOH)
- ☐ Public Water Supply (Community or Non-Community/DEP)
- ☐ Class I Injection
- ☐ Landscape Irrigation
- ☐ Recreation Area Irrigation
- ☐ Agricultural Irrigation
- ☐ Livestock
- ☐ Nursery Irrigation
- ☐ Commercial/Industrial
- ☐ Golf Course Irrigation
- ☐ Site Investigations
- ☐ Monitoring
- ☐ Test
- ☐ Earth-Coupled Geothermal
- ☐ HVAC Supply
- ☐ HVAC Return

Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☑ Drainage

Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____

☐ Other (Describe) _____

12. *Drill Method: ☐ Auger ☐ Cable Tool ☑ Rotary ☐ Combination (Two or More Methods) ☐ Jetted ☐ Sonic ☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ☑ Other Casing driven.

13.*Measured Static Water Level 4 ft. Measured Pumping Water Level 5' ft. After .5 Hours at 500 GPM

14.*Measuring Point (Describe) grade Which is ____ ft. ____ Above ____ Below Land Surface *Flowing: ☐ Yes ☑ No

15.*Casing Material: ☑ Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Not Cased ☐ Other _____

16.*Total Well Depth 96 ft. Cased Depth 56.5 ft. *Open Hole: From 56.5' To 96 ft. *Screen: From N.A To ____ ft. Slot Size ____

17.*Abandonment: ☐ Other (Explain) _____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____

18.*Surface Casing Diameter and Depth:

Dia 24 in. From 0 ft. To 56.5 ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☑ Other Driven

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

19.*Primary Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

20.*Liner Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

21.*Telescope Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

22. Pump Type (If Known):
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower ____ Pump Capacity (GPM) ____
Pump Depth ____ ft. Intake Depth ____ ft.

23. Chemical Analysis (When Required):
Iron ____ ppm Sulfate ____ ppm Chloride 31,150 ppm
☑ Laboratory Test ☐ Field Test Kit TDS

24. Water Well Contractor:
*Contractor Name Greg Schultes *License Number 9377 E-mail Address greg.acsfl@verizon.net

*Contractor's Signature _____ *Driller's Name (Print or Type) _____
(I certify that the information provided in this report is accurate and true.)

*Permit No. 0302036-003-UC

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

DW-04

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	To	Color	Grain Size (F, M, C)	Material
0 ft.	20 ft.			Sand, silt, shell
20 ft.	35 ft.			Limestone & sandstone
35 ft.	40 ft.			sand.
40 ft.	60 ft.			Sandstone
60 ft.	96 ft.			limestone & cogquina
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			

Comments:

***Detailed Site Map of Well Location**

N

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

May 15, 2012

Bill McCluskey
Jaffer Well Drilling - a div of A.C. Schultes of FL, Inc
1451 SE 9th Court
Hialeah, FL 33010

RE: Project: STORM DRAINAGE WELLS
Pace Project No.: 3556858

Dear Bill McCluskey:
Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Terrence Anderson

terrence.anderson@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: STORM DRAINAGE WELLS
Pace Project No.: 3556858

Sample: SURFSIDE PS # 04 **Lab ID: 3556858001** Collected: 04/25/12 00:00 Received: 05/11/12 15:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**31100**	mg/L	250	250	1		05/14/12 12:48		

REPORT OF LABORATORY ANALYSIS

Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

DEP Form No:	62-528.900(4)
Form Title:	Certification of Class V Well construction Completion
Effective Date:	
DEP Application No.:	(Filled in by DEP)

Town of Surfside

CERTIFICATION OF CLASS V WELL CONSTRUCTION COMPLETION

INSTRUCTIONS: Submit this certification to the Department along with a signed copy of the Well Completion Report from the appropriate Water Managemant District.

DEP Construction Permit No. 0302036-003-UC issued on 10/17/11 (Date). County Dade

Owner's Name Town of Surfside: Bill Evans, Public Works Director

Owner's Address 9293 Harding Avenue

City Surfside State FL Zip 33154

Well Contractor's Name Greg Schultes, Jeffer Well Drilling

Title Production Supervisor State License No. 9377

Well Contractor's Address 1951 SE 9 Ct

City Hialeah State FL Zip 33010

Well Location as per plan

Deviations from the application and plans approved by the Department:

none

Actual Dimensions:

Diameter	24	inches
Well depth	94	feet
Casing depth	56	feet

P.S. #2

DW-05

This is to certify that, with the exception of the deviations noted above, the construction of this well has been completed in accordance with the plans authorized by Construction Permit No. 0302036-003-UC, dated 10/17/12.

Date: 10/17/12

(Contractor's Signature)

RECEIVED

OCT 19 2012

FL DEP
WEST PALM BEACH

STATE OF FLORIDA WELL COMPLETION REPORT

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Date Stamp

Official Use Only

Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

1.*Permit Number D302036-003-uCCUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 9 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Town of Surfside ; Bill Evans. 4.*Completion Date 4/27/12 5. Florida Unique ID _____

6. Surfside : Pump Station #2 at 89st ; DW-05
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Dade *Section _____ Land Grant _____ *Township _____ *Range _____

8. Latitude 25° 52' 27.91" Longitude 80° 07' 45.27"

9. Data Obtained From: ☐ GPS ☐ Map ☑ Survey Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: ☑ Construction ☐ Repair ☐ Modification ☐ Abandonment

11.*Specify Intended Use(s) of Well(s)

- ☐ Domestic
- ☐ Bottled Water Supply
- ☐ Public Water Supply (Limited Use/DOH)
- ☐ Public Water Supply (Community or Non-Community/DEP)
- ☐ Class I Injection
- ☐ Landscape Irrigation
- ☐ Recreation Area Irrigation
- ☐ Agricultural Irrigation
- ☐ Livestock
- ☐ Nursery Irrigation
- ☐ Commercial/Industrial
- ☐ Golf Course Irrigation
- ☐ Site Investigations
- ☐ Monitoring
- ☐ Test
- ☐ Earth-Coupled Geothermal
- ☐ HVAC Supply
- ☐ HVAC Return

Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☑ Drainage

Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____

☐ Other (Describe) _____

12. *Drill Method: ☐ Auger ☐ Cable Tool ☑ Rotary ☐ Combination (Two or More Methods) ☐ Jetted ☐ Sonic ☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ☑ Other Casing driven.

13.*Measured Static Water Level 4 ft. Measured Pumping Water Level 5' ft. After -5 Hours at 800 GPM

14.*Measuring Point (Describe) grade Which is ____ ft. ____ Above ____ Below Land Surface *Flowing: ☐ Yes ☑ No

15.*Casing Material: ☑ Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Not Cased ☐ Other _____

16.*Total Well Depth 94 ft. Cased Depth 56 ft. *Open Hole: From 56 To 94 ft. *Screen: From N/A To ____ ft. Slot Size ____

17.*Abandonment: ☐ Other (Explain) _____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____

18.*Surface Casing Diameter and Depth:

Dia 24 in. From 0 ft. To 56 ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☑ Other Driven

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

19.*Primary Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

20.*Liner Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

21.*Telescope Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

22. Pump Type (If Known):
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower _____ Pump Capacity (GPM) _____
Pump Depth _____ ft. Intake Depth _____ ft.

23. Chemical Analysis (When Required):
Iron _____ ppm Sulfate _____ ppm Chloride 25,800 ppm TDS
☑ Laboratory Test ☐ Field Test Kit

24. Water Well Contractor:
*Contractor Name Greg Schultes *License Number 9377 E-mail Address greg.acsfl@verizon.net

*Contractor's Signature _____ *Driller's Name (Print or Type) _____
(I certify that the information provided in this report is accurate and true.)

*Permit No. 0302036-003-UC

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV DW-05

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From 0 ft.	To 20 ft.	Color		Grain Size (F, M, C)		Material	Sand, silt, shell
From 20 ft.	To 35 ft.	Color		Grain Size (F, M, C)		Material	Limestone & sandstone
From 35 ft.	To 40 ft.	Color		Grain Size (F, M, C)		Material	sand
From 40 ft.	To 60 ft.	Color		Grain Size (F, M, C)		Material	Sandstone
From 60 ft.	To 94 ft.	Color		Grain Size (F, M, C)		Material	limestone & coquina
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	
From ____ ft.	To ____ ft.	Color		Grain Size (F, M, C)		Material	

Comments: _____

***Detailed Site Map of Well Location**

N

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

May 15, 2012

Bill McCluskey
Jaffer Well Drilling - a div of A.C. Schultes of FL, Inc
1451 SE 9th Court
Hialeah, FL 33010

RE: Project: STORM DRAINAGE WELLS
Pace Project No.: 3556858

Dear Bill McCluskey:
Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Terrence Anderson

terrence.anderson@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: STORM DRAINAGE WELLS
Pace Project No.: 3556858

Sample: SURFSIDE PS # 05 **Lab ID: 3556858002** Collected: 04/25/12 00:00 Received: 05/11/12 15:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**29800**	mg/L	250	250	1		05/14/12 12:48		

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

DEP Form No:	62-528.900(4)
Form Title:	Certification of Class V Well construction Completion
Effective Date:	
DEP Application No.:	(Filled in by DEP)

Town of Surfside

CERTIFICATION OF CLASS V WELL CONSTRUCTION COMPLETION

INSTRUCTIONS: Submit this certification to the Department along with a signed copy of the Well Completion Report from the appropriate Water Managemant District.

DEP Construction Permit No. 0302036-003-UC issued on 10/17/11 (Date). County Dade

Owner's Name Town of Surfside · Bill Evans, Public Works Director

Owner's Address 9293 Harding Avenue

City Surfside State FL Zip 33154

Well Contractor's Name Greg Schultes, Telter Well Drilling

Title Production Supervisor State License No. 9377

Well Contractor's Address 1451 SE 9 Ct

City Hialeah State FL Zip 33010

Well Location as per plan

Deviations from the application and plans approved by the Department:

none

Actual Dimensions:

Diameter 24 inches

Well depth 93 feet

Casing depth 57 feet

P.S. #2

DW-06

This is to certify that, with the exception of the deviations noted above, the construction of this well has been completed in accordance with the plans authorized by Construction Permit No. 0302036-003-UC, dated 10/17/12.

Date: 10/17/12

(Contractor's Signature)

RECEIVED

OCT 19 2012

FL DEP
WEST PALM BEACH

STATE OF FLORIDA WELL COMPLETION REPORT

RECEIVED

Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

OCT 1 9 2012

FL DEP
WEST PALM BEACH

Date Stamp

Official Use Only

1.*Permit Number 0302036-003-uc CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 9 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Town of Surfside ; Bill Evans. 4.*Completion Date 5/1/12 5. Florida Unique ID _____

6. Surfside : Pump Station #2 at 89 St Well DW-06
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Dade *Section _____ Land Grant _____ *Township _____ *Range _____

8. Latitude 25° 52' 27.31" Longitude 80° 07' 46.38"

9. Data Obtained From: ☐ GPS ☐ Map ☑ Survey Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: ☑ Construction ☐ Repair ☐ Modification ☐ Abandonment

11.*Specify Intended Use(s) of Well(s)

- ☐ Domestic
- ☐ Bottled Water Supply
- ☐ Public Water Supply (Limited Use/DOH)
- ☐ Public Water Supply (Community or Non-Community/DEP)
- ☐ Class I Injection
- ☐ Landscape Irrigation
- ☐ Recreation Area Irrigation
- ☐ Agricultural Irrigation
- ☐ Livestock
- ☐ Nursery Irrigation
- ☐ Commercial/Industrial
- ☐ Golf Course Irrigation
- ☐ Site Investigations
- ☐ Monitoring
- ☐ Test
- ☐ Earth-Coupled Geothermal
- ☐ HVAC Supply
- ☐ HVAC Return

Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☑ Drainage

Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____

☐ Other (Describe) _____

12. *Drill Method: ☐ Auger ☐ Cable Tool ☑ Rotary ☐ Combination (Two or More Methods) ☐ Jetted ☐ Sonic ☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ☑ Other Casing driven.

13.*Measured Static Water Level 4 ft. Measured Pumping Water Level 5' ft. After .5 Hours at 550 GPM

14.*Measuring Point (Describe) grade Which is ____ ft. ____ Above ____ Below Land Surface *Flowing: ☐ Yes ☑ No

15.*Casing Material: ☑ Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Not Cased ☐ Other _____

16.*Total Well Depth 93 ft. Cased Depth 57 ft. *Open Hole: From 57 To 93 ft. *Screen: From N/A To ____ ft. Slot Size

17.*Abandonment: ☐ Other (Explain) _____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____

18.*Surface Casing Diameter and Depth:

Dia 24 in. From 0 ft. To 57 ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☑ Other Driven
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

19.*Primary Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

20.*Liner Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

21.*Telescope Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

22. Pump Type (If Known):
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower ____ Pump Capacity (GPM) ____
Pump Depth ____ ft. Intake Depth ____ ft.

23. Chemical Analysis (When Required):
Iron ____ ppm Sulfate ____ ppm ~~Chloride~~ 29,900 ppm TDS
☑ Laboratory Test ☐ Field Test Kit

24. Water Well Contractor:
*Contractor Name Greg Schultes *License Number 9377 E-mail Address greg.acsfl@verizon.net

*Contractor's Signature _____ (I certify that the information provided in this report is accurate and true.) *Driller's Name (Print or Type) _____

*Permit No. 0302036-003-UC

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

DW-06

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	To	Color	Grain Size (F, M, C)	Material
0 ft.	20 ft.			Sand, silty, shell
20 ft.	35 ft.			Limestone & sandstone
35 ft.	40 ft.			Sand
40 ft.	60 ft.			Sandstone
60 ft.	93 ft.			Limestone & Coquina
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			

Comments:

***Detailed Site Map of Well Location**

N

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

May 15, 2012

Bill McCluskey
Jaffer Well Drilling - a div of A.C. Schultes of FL, Inc
1451 SE 9th Court
Hialeah, FL 33010

RE: Project: STORM DRAINAGE WELLS
Pace Project No.: 3556858

Dear Bill McCluskey:
Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Terrence Anderson

terrence.anderson@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: STORM DRAINAGE WELLS
Pace Project No.: 3556858

Sample: SURFSIDE PS # 06 **Lab ID: 3556858003** Collected: 05/01/12 00:00 Received: 05/11/12 15:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**29900**	mg/L	250	250	1		05/14/12 12:48		

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

DEP Form No:	62-528.900(4)
Form Title:	Certification of Class V Well construction Completion
Effective Date:	
DEP Application No.:	(Filled in by DEP)

Town of Surfside

CERTIFICATION OF CLASS V WELL CONSTRUCTION COMPLETION

INSTRUCTIONS: Submit this certification to the Department along with a signed copy of the Well Completion Report from the appropriate Water Managemant District.

DEP Construction Permit No. 0302036-003-UC issued on 10/17/11 (Date). County Dade

Owner's Name Town of Surfside: Bill Evans, Public Works Director

Owner's Address 9293 Harding Avenue

City Surfside State FL Zip 33154

Well Contractor's Name Greg Schultes, Jetter Well Drilling

Title Production Supervisor State License No. 9377

Well Contractor's Address 1451 SE 9 Ct

City Hialeah State FL Zip 33010

Well Location as per plan

Deviations from the application and plans approved by the Department:

none

Actual Dimensions:

Diameter 24 inches

Well depth 955 feet

Casing depth 65 feet

P.S. #3

DW-07

This is to certify that, with the exception of the deviations noted above, the construction of this well has been completed in accordance with the plans authorized by Construction Permit No. 0302036-003-UC, dated 10/17/12.

Date: 10/17/12

(Contractor's Signature)

RECEIVED

OCT 19 2012

FL DEP
WEST PALM BEACH

STATE OF FLORIDA WELL COMPLETION REPORT

Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Date Stamp

Official Use Only

1.*Permit Number 0302036-003-uCUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 9 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Town of Surfside ; Bill Evans. 4.*Completion Date 8/24/12 5. Florida Unique ID _____

6. Surfside : Pump Station #3 at Carlyle Avenue DW-07
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Dade *Section _____ Land Grant _____ *Township _____ *Range _____

8. Latitude 25° 52' 21.30" Longitude 80° 07' 28.99"

9. Data Obtained From: ☐ GPS ☐ Map ☑ Survey Datum: ____ NAD 27 ____ NAD 83 ____ WGS 84

10.*Type of Work: ☑ Construction ☐ Repair ☐ Modification ☐ Abandonment

11.*Specify Intended Use(s) of Well(s)

- ☐ Domestic
- ☐ Bottled Water Supply
- ☐ Public Water Supply (Limited Use/DOH)
- ☐ Public Water Supply (Community or Non-Community/DEP)
- ☐ Class I Injection
- ☐ Landscape Irrigation
- ☐ Recreation Area Irrigation
- ☐ Agricultural Irrigation
- ☐ Livestock
- ☐ Nursery Irrigation
- ☐ Commercial/Industrial
- ☐ Golf Course Irrigation
- ☐ Site Investigations
- ☐ Monitoring
- ☐ Test
- ☐ Earth-Coupled Geothermal
- ☐ HVAC Supply
- ☐ HVAC Return

Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☑ Drainage

Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____

☐ Other (Describe) _____

12. *Drill Method: ☐ Auger ☐ Cable Tool ☑ Rotary ☐ Combination (Two or More Methods) ☐ Jetted ☐ Sonic ☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ☑ Other Casing driven.

13.*Measured Static Water Level 4 ft. Measured Pumping Water Level 5' ft. After .5 Hours at 500 GPM

14.*Measuring Point (Describe) grade Which is ____ ft. ____ Above ____ Below Land Surface *Flowing: ☐ Yes ☑ No

15.*Casing Material: ☑ Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Not Cased ☐ Other _____

16.*Total Well Depth 95.5 ft. Cased Depth 65 ft. *Open Hole: From 65 To 95.5 ft. *Screen: From N.A To ____ ft. Slot Size ____

17.*Abandonment: ☐ Other (Explain) _____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other ____

18.*Surface Casing Diameter and Depth:

Dia 24 in. From 0 ft. To 65 ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☑ Other Driven

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

19. *Primary Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

20.*Liner Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

21. *Telescope Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

22. Pump Type (If Known):
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower ____ Pump Capacity (GPM) ____
Pump Depth ____ ft. Intake Depth ____ ft.

23. Chemical Analysis (When Required):
Iron ____ ppm Sulfate ____ ppm Chloride 31,500 ppm
☑ Laboratory Test ☐ Field Test Kit TDS

24. Water Well Contractor:
*Contractor Name Greg Schultes *License Number 9377 E-mail Address greg.acsfl@verizon.net

*Contractor's Signature _____ *Driller's Name (Print or Type) _____
(I certify that the information provided in this report is accurate and true.)

*Permit No. 0302036-003-UC

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

OW-07

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	0	To	20	Color		Grain Size (F, M, C)		Material Sand, silty, shell
From	20	To	35	Color		Grain Size (F, M, C)		Material Limestone & sandstone
From	35	To	40	Color		Grain Size (F, M, C)		Material Limestone
From	40	To	45	Color		Grain Size (F, M, C)		Material Sand
From	45	To	55	Color		Grain Size (F, M, C)		Material Sandstone
From	55	To	60	Color		Grain Size (F, M, C)		Material Sand
From	60	To	95.5	Color		Grain Size (F, M, C)		Material Limestone & Coquina
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material
From		To		Color		Grain Size (F, M, C)		Material

Comments: _____

***Detailed Site Map of Well Location**

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

September 10, 2012

Bill McCluskey
Jaffer Well Drilling - a div of A.C. Schultes of FL, Inc
1451 SE 9th Court
Hialeah, FL 33010

RE: Project: SURFSIDE
Pace Project No.: 3566962

Dear Bill McCluskey:
Enclosed are the analytical results for sample(s) received by the laboratory on September 05, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Terrence Anderson

terrence.anderson@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: SURFSIDE
Pace Project No.: 3566962

Sample: DW-07 **Lab ID: 3566962001** Collected: 08/22/12 00:00 Received: 09/05/12 15:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**31500**	mg/L	250	250	1		09/06/12 15:47		

Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

DEP Form No: 62-528.900(4)
Form Title: Certification of Class V Well construction Completion
Effective Date:
DEP Application No.: (Filled in by DEP)

Town of Surfside

CERTIFICATION OF CLASS V WELL CONSTRUCTION COMPLETION

INSTRUCTIONS: Submit this certification to the Department along with a signed copy of the Well Completion Report from the appropriate Water Managemant District.

DEP Construction Permit No. 0302036-003-UC issued on 10/17/11 (Date). County Dade

Owner's Name Town of Surfside: Bill Evans, Public Works Director

Owner's Address 9293 Harding Avenue

City Surfside State FL Zip 33154

Well Contractor's Name Greg Schultes, Jetter Well Drilling

Title Production Superviser State License No. 9377

Well Contractor's Address 1951 SE 9 Ct

City Hialeah State FL Zip 33010

Well Location as per plan

Deviations from the application and plans approved by the Department:

none

Actual Dimensions:

Diameter 24 inches

Well depth 94 feet

Casing depth 65 feet

P.S. #3

DW-08

This is to certify that, with the exception of the deviations noted above, the construction of this well has been completed in accordance with the plans authorized by Construction Permit No. 0302036-003-UC, dated 10/17/12.

Date: 10/17/12

(Contractor's Signature)

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

STATE OF FLORIDA WELL COMPLETION REPORT

Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Date Stamp

Official Use Only

1.*Permit Number 0302036-003-UC CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 9 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Town of Surfside ; Bill Evans. 4.*Completion Date 9/17/12 5. Florida Unique ID _____

6. Surfside : Pump Station #3 at Carlyle Avenue DW-08
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Dade *Section _____ Land Grant _____ *Township _____ *Range _____

8. Latitude 25° 52' 22.44" Longitude 80° 07' 29.35"

9. Data Obtained From: ☐ GPS ☐ Map ☑ Survey Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: ☑ Construction ☐ Repair ☐ Modification ☐ Abandonment

11.*Specify Intended Use(s) of Well(s)

- ☐ Domestic
- ☐ Bottled Water Supply
- ☐ Public Water Supply (Limited Use/DOH)
- ☐ Public Water Supply (Community or Non-Community/DEP)
- ☐ Class I Injection
- ☐ Landscape Irrigation
- ☐ Recreation Area Irrigation
- ☐ Agricultural Irrigation
- ☐ Livestock
- ☐ Nursery Irrigation
- ☐ Commercial/Industrial
- ☐ Golf Course Irrigation
- ☐ Site Investigations
- ☐ Monitoring
- ☐ Test
- ☐ Earth-Coupled Geothermal
- ☐ HVAC Supply
- ☐ HVAC Return

Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☑ Drainage

Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____

☐ Other (Describe) _____

12. *Drill Method: ☐ Auger ☐ Cable Tool ☑ Rotary ☐ Combination (Two or More Methods) ☐ Jetted ☐ Sonic ☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ☑ Other Casing driven.

13.*Measured Static Water Level 4 ft. Measured Pumping Water Level 5' ft. After -5 Hours at 400 GPM

14.*Measuring Point (Describe) grade Which is ____ ft. ____ Above ____ Below Land Surface *Flowing: ☐ Yes ☑ No

15.*Casing Material: ☑ Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Not Cased ☐ Other _____

16.*Total Well Depth 94 ft. Cased Depth 65 ft. *Open Hole: From 65 To 90 ft. *Screen: From N/A To ____ ft. Slot Size ____

17.*Abandonment: ☐ Other (Explain) _____

From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	Other ____
From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	Other ____
From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	Other ____
From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	Other ____
From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	Other ____

18.*Surface Casing Diameter and Depth:

Dia 24 in. From 0 ft. To 65 ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☑ Other Driven
Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____

19.*Primary Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____
Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____
Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____
Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____
Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____

20.*Liner Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____
Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____
Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____

21.*Telescope Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____
Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____
Dia ____ in. From ____ ft. To ____ ft.	No. of Bags ____	Seal Material (Check One):	☐ Neat Cement	☐ Bentonite	☐ Other ____

22. Pump Type (If Known):
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower ____ Pump Capacity (GPM) ____
Pump Depth ____ ft. Intake Depth ____ ft.

23. Chemical Analysis (When Required):
Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm
☑ Laboratory Test ☐ Field Test Kit TDS

24. Water Well Contractor:
*Contractor Name Greg Schultes *License Number 9377 E-mail Address greg.acsfl@verizon.net

*Contractor's Signature _____ *Driller's Name (Print or Type) _____
(I certify that the information provided in this report is accurate and true.)

*Permit No. 0302036-003-UC

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

Ow-08

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	To	Color	Grain Size (F, M, C)	Material
0 ft.	20 ft.			Sand, silt, shell
20 ft.	35 ft.			Limestone & Sandstone
35 ft.	40 ft.			Limestone
40 ft.	45 ft.			Sand
45 ft.	55 ft.			Sandstone
55 ft.	60 ft.			Sand
60 ft.	94 ft.			Limestone w/ Coquina
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			

Comments:

***Detailed Site Map of Well Location**

N

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

October 15, 2012

Bill McCluskey
Jaffer Well Drilling - a div of A.C. Schultes of FL, Inc
1451 SE 9th Court
Hialeah, FL 33010

RE: Project: Storm Dr Well
Pace Project No.: 3570308

Dear Bill McCluskey:
Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Terrence Anderson

terrence.anderson@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: Storm Dr Well
Pace Project No.: 3570308

Sample: Surfside DW-08 **Lab ID: 3570308001** Collected: 09/17/12 08:00 Received: 10/05/12 14:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**30300**	mg/L	250	250	1		10/08/12 22:23		

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

REPORT OF LABORATORY ANALYSIS

Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

DEP Form No:	62-528.900(4)
Form Title:	Certification of Class V Well construction Completion
Effective Date:	
DEP Application No.:	(Filled in by DEP)

Town of Surfside

CERTIFICATION OF CLASS V WELL CONSTRUCTION COMPLETION

INSTRUCTIONS: Submit this certification to the Department along with a signed copy of the Well Completion Report from the appropriate Water Managemant District.

DEP Construction Permit No. 0302036-003-UC issued on 10/17/11 (Date). County Dade

Owner's Name Town of Surfside · Bill Evans, Public Works Director

Owner's Address 9293 Harding Avenue

City Surfside State FL Zip 33154

Well Contractor's Name Greg Schultes, Jetter Well Drilling

Title Production Supervisor State License No. 2377

Well Contractor's Address 1951 SE 9 Ct

City Hialeah State FL Zip 33010

Well Location as per plan

Deviations from the application and plans approved by the Department:

none

Actual Dimensions:

Diameter 24 inches

Well depth 105 feet

Casing depth 65 feet

P.S. #3

DW-09

This is to certify that, with the exception of the deviations noted above, the construction of this well has been completed in accordance with the plans authorized by Construction Permit No. 0302036-003-UC, dated 10/17/12.

Date: 10/17/12

(Contractor's Signature)

RECEIVED

OCT 19 2012

FL DEP
WEST PALM BEACH

STATE OF FLORIDA WELL COMPLETION REPORT

Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) _____

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Date Stamp
RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH
Official Use Only

1.*Permit Number 0302036-003-UC CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned 9 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name Town of Surfside ; Bill Evans 4.*Completion Date 9/11/12 5. Florida Unique ID _____

6. Surfside : Pump Station #3 at Carlyle Avenue ; DW-09
*Well Location - Address, Road Name or Number, City, ZIP

7.*County Dade *Section _____ Land Grant _____ *Township _____ *Range _____

8. Latitude 25° 52' 21.82" Longitude 80° 07' 29.31"

9. Data Obtained From: ☐ GPS ☐ Map ☑ Survey Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10.*Type of Work: ☑ Construction ☐ Repair ☐ Modification ☐ Abandonment

11.*Specify Intended Use(s) of Well(s)

☐ Domestic
☐ Bottled Water Supply
☐ Public Water Supply (Limited Use/DOH)
☐ Public Water Supply (Community or Non-Community/DEP)
☐ Class I Injection
☐ Landscape Irrigation
☐ Recreation Area Irrigation
☐ Agricultural Irrigation
☐ Livestock
☐ Nursery Irrigation
☐ Commercial/Industrial
☐ Golf Course Irrigation
☐ Site Investigations
☐ Monitoring
☐ Test
☐ Earth-Coupled Geothermal
☐ HVAC Supply
☐ HVAC Return

Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☑ Drainage

Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____

☐ Other (Describe) _____

12. *Drill Method: ☐ Auger ☐ Cable Tool ☑ Rotary ☐ Combination (Two or More Methods) ☐ Jetted ☐ Sonic ☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ☑ Other Casing driven

13.*Measured Static Water Level 4 ft. Measured Pumping Water Level 5' ft. After -5 Hours at 650 GPM

14.*Measuring Point (Describe) grade Which is ____ ft. ____ Above ____ Below Land Surface *Flowing: ☐ Yes ☑ No

15.*Casing Material: ☑ Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Not Cased ☐ Other _____

16.*Total Well Depth 105 ft. Cased Depth 65 ft. *Open Hole: From 65 To 105 ft. *Screen: From N.A To ____ ft. Slot Size ____

17.*Abandonment: ☐ Other (Explain) _____

From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____
From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite Other _____

18.*Surface Casing Diameter and Depth:

Dia 24 in. From 0 ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☑ Other Driven
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

19.*Primary Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

20.*Liner Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

21.*Telescope Casing Diameter and Depth:

Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____
Dia ____ in. From ____ ft. To ____ ft. No. of Bags ____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other ____

22. Pump Type (If Known):
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower ____ Pump Capacity (GPM) ____
Pump Depth ____ ft. Intake Depth ____ ft.

23. Chemical Analysis (When Required):
Iron ____ ppm Sulfate ____ ppm ~~Chloride~~ ____ ppm
☑ Laboratory Test ☐ Field Test Kit TDS

24. Water Well Contractor:
*Contractor Name Greg Sckultes License Number 9377 E-mail Address greg.acsfl@verizon.net

*Contractor's Signature _____ *Driller's Name (Print or Type) _____
(I certify that the information provided in this report is accurate and true.)

*Permit No. 0302036-003-UC

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

DW-09

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	To	Color	Grain Size (F, M, C)	Material
0 ft.	20 ft.			Sand, silt, shell
20 ft.	35 ft.			limestone & sandstone
35 ft.	40 ft.			limestone
40 ft.	45 ft.			Sand
45 ft.	55 ft.			sandstone
55 ft.	60 ft.			Sand
60 ft.	105 ft.			limestone & coquina
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			

Comments:

***Detailed Site Map of Well Location**

N

RECEIVED
OCT 19 2012
FL DEP
WEST PALM BEACH

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

October 15, 2012

Bill McCluskey
Jaffer Well Drilling - a div of A.C. Schultes of FL, Inc
1451 SE 9th Court
Hialeah, FL 33010

RE: Project: Storm Dr Well
Pace Project No.: 3570308

Dear Bill McCluskey:
Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Terrence Anderson

terrence.anderson@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: Storm Dr Well
Pace Project No.: 3570308

Sample: Surfside DW-09 **Lab ID: 3570308002** Collected: 09/11/12 08:00 Received: 10/05/12 14:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**28400**	mg/L	250	250	1		10/08/12 22:22		

Vandor, Heidi

From: Osborne, Vanessa
Sent: Tuesday, May 28, 2013 1:58 PM
To: bevans@townofsurfsidefl.gov
Cc: Strasser, Gardner; Vandor, Heidi; McCarty, Cathleen; twaterho@sfwmd.gov; ehopkins@sfwmd.gov; tobonm@miamidade.gov; 'Calil, Iraida (RER)'; hallm@miamidade.gov; gregschultes@yahoo.com; jobrien@jafferwells.com; 'Jerome Wentz'; jmesserian@calvingiordano.com
Subject: 0302036-001 Surfside drainage improvements Authhorization May 2013
Attachments: 0302036-001 - Surfside Drainage Improvements AU May 2013 (2).pdf

Vanessa Osborne
Dept. of Environmental Protection
400 N. Congress Ave.3rd Floor
West Palm Beach, FL. 33401
Phone: 561-681-6745
Fax: 561-681-6760

Please take a few minutes to share your comments on the service you received from the department by clicking on this link. DEP Customer Survey.

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
SOUTHEAST DISTRICT
400 NORTH CONGRESS AVENUE, 3rd FLOOR
WEST PALM BEACH, FL 33401
561-681-6600

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

ELECTRONIC CORRESPONDENCE

May 28, 2013

Town of Surfside
Attention: Bill Evans
Public Works Director
9293 Harding Avenue
Surfside , Florida 33154
bevans@townofsurfsidefl.gov

County: Miami-Dade
Project: Town of Surfside Drainage Improvements
Authorization Number: 0302036-003-UC
WACS ID Number: SED13M00099864
Date Issued: May 28, 2013
Expiration Date: None

Reference: Letter of Authorization to Use Nine (9) Stormwater Drainage Wells

Dear Mr. Evans:

This letter acknowledges receipt of the required Certification of Class V Well Construction Completion, Well Completion Report and Reasonable Assurance Report for Nine (9) wells, constructed under DEP Permit Number 0302036-003-UC, issued October 17, 2011. The drilling contractor was Jaffer Well Drilling, a Division of A.C. Schultes of Florida, Inc. The wells are located Pump Station No. 1 at 94th Street, Pump Station No. 2 at 89th Street, and Pump Station No. 3 at Carlyle Avenue, Surfside, Florida 33154, and are identified as Well Numbers DW-01 through DW-09. The geographical locations are:

Well No.	Latitude/Longitude
Pump Station No. 1	
DW-01	25° 52' 59.89"N/80° 07' 37.88"W
DW-02	25° 52' 59.73"N/80° 07' 37.25"W
DW-03	25° 52' 59.76"N/80° 07' 36.60"W
Pump Station No. 2	
DW-04	25° 52' 27.66"N/80° 07' 45.89"W
DW-05	25° 52' 27.91"N/80° 07' 45.27"W
DW-06	25° 52' 27.31"N/80° 07' 46.38"W
Pump Station No. 3	
DW-07	25° 52' 21.30"N/80° 07' 28.99"W
DW-08	25° 52' 22.44"N/80° 07' 29.35"W
DW-09	25° 52' 21.82"N/80° 07' 29.31"W

Based upon a review of this information, the placing of the wells into service is hereby authorized. Pursuant to Chapter 403, Florida Statutes, this authorization may be rescinded if the disposal wells should, at any time, contaminate or otherwise adversely affect other water in the vicinity, or it may be rescinded for any other condition contained in Rule 62-4.100 or 62-528.630(4) and (5), Florida Administrative Code (F.A.C.). Pursuant to Rule 62-528.635(4), (F.A.C.), this authorization to use is non-renewable and non-expiring.

Upon sale or legal transfer of the wells, the new owner must notify the Department within thirty (30) days on DEP Form No. 62-528.900(8) with appropriate fee. Until such time as the notice of change in ownership is submitted, you will be responsible for the operation of the wells and for damages resulting from improper operation of the wells in accordance with Rule 62-528.630(9), (F.A.C.).

The use of the wells is subject to the following Specific Conditions 10-16 as were stated in the Construction Permit:

SPECIFIC CONDITIONS:

10. The use of Class V, Group 6 Wells are authorized for disposal of stormwater only.

11. Allowing fluids other than those permitted into the disposal well will be considered a violation of this permit and shall constitute cause for permit revocation and possible enforcement action for water quality violations.

12. The permittee or designated operator of the Class V drainage system shall at all times properly maintain the system, methods of treatment and control in such a manner that efficient operation of the system is maintained at all times.

13. The permittee or designated operator shall make an inspection on a regular basis to insure free flow capability through basins, drains and wells. All debris e.g. leaves, sand, branches and oil found should be removed and disposed of in a proper manner. The Department must be notified of any repair that requires the replacement or alteration of any part of the system.

14. If for any reason, the owner or operator does not comply, or will be unable to comply, with any condition or limitation specified in this authorization, he or she shall notify the Department.

15. When required by the Department, the owner shall within a reasonable time furnish any information required by law that is needed to determine compliance with this authorization.

16. In accordance with F.A.C. Rule 62-528.645(1) the owner of the Class V wells shall apply for a Plugging and Abandonment permit, FDEP Form 62-528.900(6) with appropriate fee when the wells are no longer usable for its intended purpose. The application shall include the justification for abandonment and the proposed plugging plan.

17. Should ownership of the wells change in the future the Department requires the completion of the Notification Form, FDEP Form 62-528.900(8) along with appropriate fee, to be submitted within thirty (30) days of transfer of ownership.

If you have any questions about this letter of Authorization to Use, please call Underground Injection Control, Heidi Vandor, PG, at (561) 681-6687, or the undersigned.

Sincerely,

Linda A. Brien, P.G.
Water Facilities Program Administrator
Southeast District

LAB/HV

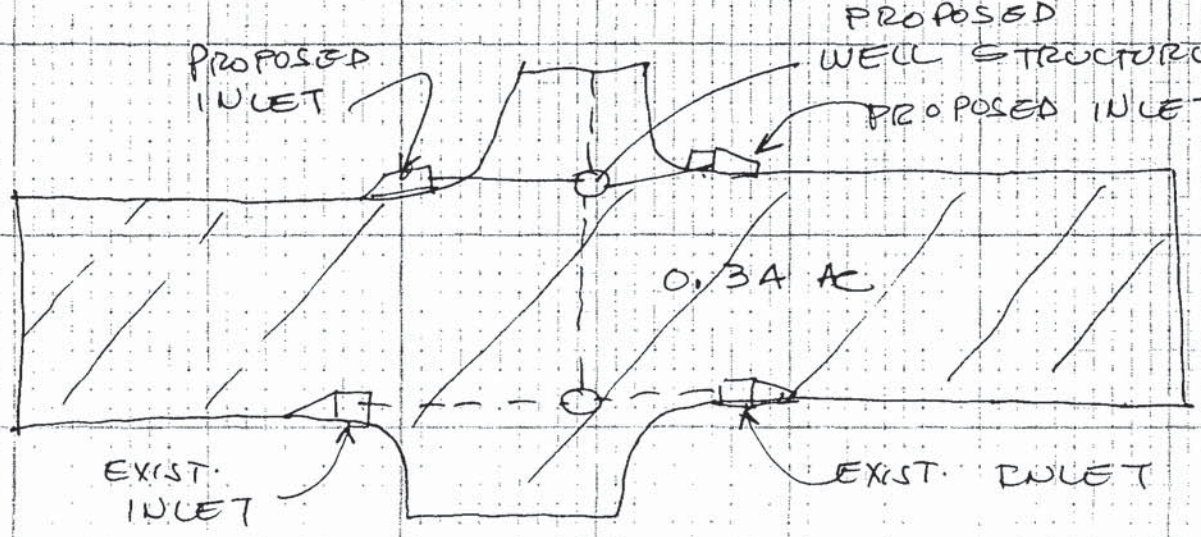
cc: Cathy McCarty, FDEP/TLH
Anthony M. Waterhouse, SFWMD – twaterho@sfwmd.gov
Emily Richardson, SFWMD - ehopkins@sfwmd.gov
Manny Tobon, RER – tobonm@miamidade.gov
Iraida Calili, RER - calili@miamidade.gov
Marie K, Hall, MD RER – hallm@miamidade.gov
John Messerian, PE, Calvin, Giordano & Associates, Inc. – jmesserian@calvingiordano.com
Gregory Schultes, Jaffer Well Drilling - gregschultes@yahoo.com
John O'Brien, Jaffer Well Drilling– jobrien@jafferwells.com
Jerome Wentz, P.G. - jeromewentz@yahoo.com

Appendix I

FDOT Well Certification

Subject: HARDING AVE COLLINS AVE INJECTION WELLS CALCULATIONS	WPI No. 6113738		Sheet 1 of 1
	Project No. 87060-3555		
	Prepared by GAL	Date 12-17-92	
	Checked by	Date	

COLLINS AVE WELLS CALCULATION



TYPICAL COLLINS AVE INTERSECTION

Runoff calculation

Area = 0.34 Ac ±

i = 6.8 in/hour

Coeff = 0.9

$Q = CiA$

$Q = 0.9 \times 6.8 \times 0.34$

$Q = 2.08$ cfs

$Q = 2.08 \times 448.83 = 933.9$ GAL/min

Head used: 2.5 D.H.W.
5.5 Weir elev.

TOTAL HEAD = 5.5 − 2.5 = 3 FT.

Q per ft. head required: $\frac{934}{3} = 311$ GAL MIN

REQUIRED Q for COLLINS AVE WELLS
400 GAL MIN per FT. head

Subject: HARDING AVE / COLLINS AVE / INJECTION WELLS CALCULATIONS	WPI No. 611 3738		Sheet 1 of 1
	Project No. 87060-3555		
	Prepared by GAC	Date 12-17-92	
	Checked by	Date	

HARDING AVE WELLS CALCULATION

MAXIMUM Q 3 YEAR STORM 41.6 cfs

$$41.6 \text{ cfs} \times 448.83 \frac{\text{GAL/MIN}}{\text{cfs}} = 18672 \text{ GAL/MIN}$$

WELL INTAKE 600 GAL/MIN per ft head

Pressure maintained at manifold = 8 ft head

TOTAL INTAKE by each Well = $8 \text{ ft/head} \times 600 \frac{\text{GAL/MIN}}{\text{ft/head}}$

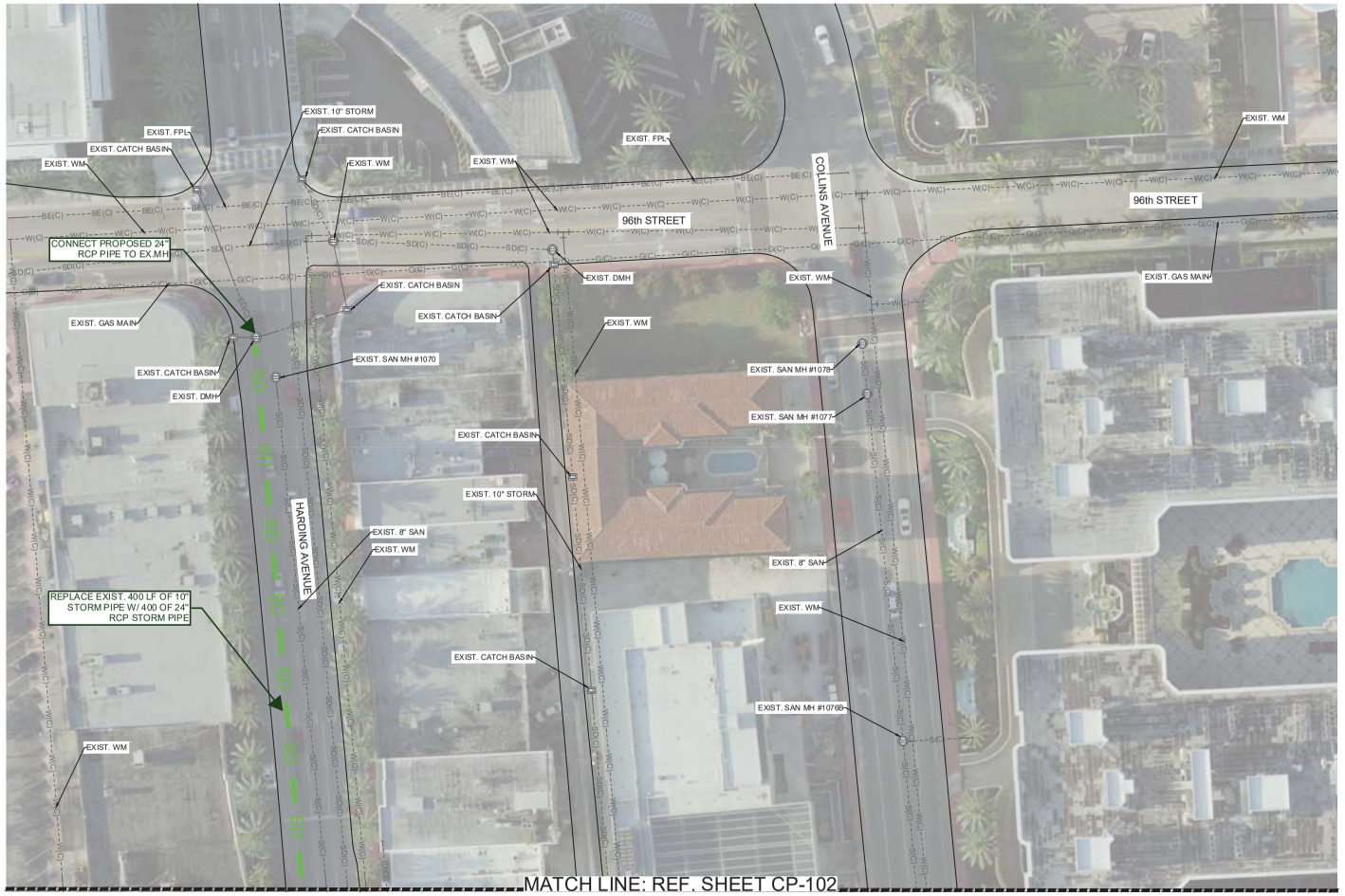
= 4800 GAL/MIN

TOTAL INTAKE 4 wells = $4 \times 4800 = 19{,}200$ GAL/min

19200 GAL/MIN > 18672 GAL/MIN

∴ Wells will take runoff for 3 year storm

Appendix J – Scenario One



N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #1

SHEET NUMBER **CP-101**

PROJECT NUMBER **11494.00**

STATUS: PRELIMINARY

Plotted by: vcolloma On Wednesday, September 23, 2020 9:40:08 AM

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '
NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE

Plotted by: vcolonna On Wednesday, September 23, 2020 9:40:08 AM

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #1

SHEET NUMBER CP-102

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE

Plotted By: vcolonna On Wednesday, September 23, 2020 9:49:08 AM

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #1

SHEET NUMBER CP-103

PROJECT NUMBER **11494.00**

STATUS: PRELIMINARY

KEITH

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
Project: Abbott Avenue Drainage Improvements
Project No. 11494.00

Scenario 1

HARDING AVENUE IMPROVEMENTS

Updated 6/8/21

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT
	Construction Costs				
1	Mobilization	1	LS	$10,000.00	$10,000.00
2	Maintenance of Traffic	1	LS	$10,000.00	$10,000.00
3	24" RCP Drainage Pipe (Non. Perf.)	1,649	LF	$108.00	$178,092.00
4	Remove Existing Drainage Structure	5	EA	$2,206.74	$11,033.70
5	Drainage Manhole	5	EA	$7,923.77	$39,618.85
6	Pavement Restoration	1,500	SY	$54.00	$81,000.00
7	Restore/Restripe Pavement Markings	1	LS	$10,000.00	$10,000.00
8	Contingency (30%)	1	LS	$101,923.37	$101,923.37
				Subtotal	**$441,667.92**
	Additional Services				
1	Survey, Subsurface Utility Exploration (SUE) & Design Testing	1	LS	4.0%	$17,666.72
2	Professional Design Services & Permitting	1	LS	10.0%	$44,166.79
3	Construction Administration Services	1	LS	6.0%	$26,500.07
				Subtotal	**$88,333.58**
				TOTAL OPININION OF PROBABLE COST	**$530,001.50**

NOTES:

1 The quantities and unit prices are obtained from various sources (including contract bids for similar projects).
2 The unit prices are based on current construction costs (as of 6/12/21)
3 The locations and sizes of the existing utilities are based on best available information and cannot be guaranteed for their accuracy.
4 No utility coordination and/or relocation included in this estimate.
5 The quantities are based on the Scenerio 7 Exhibit (Refer to Appendix J)

Background Image: NETWORK DIAGRAM

---Unable to Generate Chart---

Simulation: 005Yr-001Hr

Scenario: OPTION 1
Run Date/Time: 6/13/2021 3:58:06 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.20 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 005Yr-024Hr

Scenario: OPTION 1
Run Date/Time: 6/13/2021 3:58:24 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	6.50 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 010Yr-024Hr

Scenario: OPTION 1
Run Date/Time: 6/13/2021 4:01:16 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~SCSIII-24
Rainfall Amount: 8.52 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 025Yr-072Hr

Scenario: OPTION 1
Run Date/Time: 6/13/2021 4:03:45 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.10 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100Yr-072Hr

Scenario: OPTION 1
Run Date/Time: 6/13/2021 4:10:19 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	17.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simple Basin: A1

Scenario:	OPTION 1
Node:	NZA-A1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7600 ac
Curve Number:	85.0

% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A2

Scenario:	OPTION 1
Node:	NZA-A2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A3

Scenario:	OPTION 1
Node:	NZA-A3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A4

Scenario:	OPTION 1
Node:	NZA-A4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA1

Scenario:	OPTION 1
Node:	NZA-AA1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA2

Scenario:	OPTION 1
Node:	NZA-AA2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA3

Scenario:	OPTION 1
Node:	NZA-AA3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA4

Scenario:	OPTION 1
Node:	NZA-AA4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA5

Scenario:	OPTION 1
Node:	NZA-AA5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B1

Scenario:	OPTION 1
Node:	NZA-B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B2

Scenario:	OPTION 1
Node:	NZA-B2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B3

Scenario:	OPTION 1
Node:	NZA-B3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B4

Scenario:	OPTION 1
Node:	NZA-B4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C1

Scenario:	OPTION 1
Node:	NZA-C1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C2

Scenario:	OPTION 1
Node:	NZA-C2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D1

Scenario:	OPTION 1
Node:	NZA-D1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D2

Scenario:	OPTION 1
Node:	NZA-D2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D3

Scenario:	OPTION 1
Node:	NZA-D3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D4

Scenario:	OPTION 1
Node:	NZA-D4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D5

Scenario:	OPTION 1
Node:	NZA-D5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.8200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D6

Scenario:	OPTION 1
Node:	NZA-D6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	9.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D7

Scenario:	OPTION 1
Node:	NZA-D7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E1

Scenario:	OPTION 1
Node:	NZA-E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E2

Scenario:	OPTION 1
Node:	NZA-E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E3

Scenario:	OPTION 1
Node:	NZA-E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E4

Scenario:	OPTION 1
Node:	NZA-E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E5

Scenario:	OPTION 1
Node:	NZA-E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E6

Scenario:	OPTION 1
Node:	NZA-E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E7

Scenario:	OPTION 1
Node:	NZA-E7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E8

Scenario:	OPTION 1
Node:	NZA-E8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F1

Scenario:	OPTION 1
Node:	NZA-F1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F2

Scenario:	OPTION 1
Node:	NZA-F2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F3

Scenario:	OPTION 1
Node:	NZA-F3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F4

Scenario:	OPTION 1
Node:	NZA-F4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F5

Scenario:	OPTION 1
Node:	NZA-F5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F6

Scenario:	OPTION 1
Node:	NZA-F6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F7

Scenario:	OPTION 1
Node:	NZA-F7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F8

Scenario:	OPTION 1
Node:	NZA-F8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F9

Scenario:	OPTION 1
Node:	NZA-F9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1A

Scenario:	OPTION 1
Node:	FDOT-1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1B

Scenario:	OPTION 1
Node:	FDOT-1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2A

Scenario:	OPTION 1
Node:	FDOT-2A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2B

Scenario:	OPTION 1
Node:	FDOT-2B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3A

Scenario:	OPTION 1
Node:	FDOT-3A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.5900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3B

Scenario:	OPTION 1
Node:	FDOT-3B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4A

Scenario:	OPTION 1
Node:	FDOT-4A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.3400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4B

Scenario:	OPTION 1
Node:	FDOT-4B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-5B

Scenario:	OPTION 1
Node:	FDOT-5B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G1

Scenario:	OPTION 1
Node:	NZA-G1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G2

Scenario:	OPTION 1
Node:	NZA-G2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G3

Scenario:	OPTION 1
Node:	NZA-G3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G4

Scenario:	OPTION 1
Node:	NZA-G4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G5

Scenario:	OPTION 1
Node:	NZA-G5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G6

Scenario:	OPTION 1
Node:	NZA-G6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G7

Scenario:	OPTION 1
Node:	NZA-G7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G8

Scenario:	OPTION 1
Node:	NZA-G8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G9

Scenario:	OPTION 1
Node:	NZA-G9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I1

Scenario:	OPTION 1
Node:	NZA-I1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I2

Scenario:	OPTION 1
Node:	NZA-I2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I3

Scenario:	OPTION 1
Node:	NZA-I3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I4

Scenario:	OPTION 1
Node:	NZA-I4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I5

Scenario:	OPTION 1
Node:	NZA-I5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I6

Scenario:	OPTION 1
Node:	NZA-I6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I7

Scenario:	OPTION 1
Node:	NZA-I7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: I8

Scenario: OPTION 1
Node: NZA-I8
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.9500 ac
Curve Number: 85.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: AQUIFER (89th)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (89th)	005Yr-001Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	005Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	010Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	025Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	100Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0

Node: AQUIFER (94th)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (94th)	005Yr-001Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	005Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	010Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	025Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	100Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0

Node: AQUIFER (CARLYLE)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0

Node: FDOT AQUIFER (94TH)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT AQUIFER (CARLYLE)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment: FDOT AQUIFER

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)							
FDOT AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT OUTFALL (94th)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT OUTFALL (CARLYLE)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT-1A

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6200	27007

Stage [ft]	Area [ac]	Area [ft2]
8.00	1.8900	82328

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-001Hr	4.86	4.49	0.0028	3.50	3.37	7172
FDOT-1A	005Yr-024Hr	4.86	4.87	0.0028	7.16	5.51	27126
FDOT-1A	010Yr-024Hr	4.86	5.16	0.0028	9.04	5.51	32325
FDOT-1A	025Yr-072Hr	4.86	5.41	0.0028	8.46	3.86	36715
FDOT-1A	100Yr-072Hr	4.86	5.84	0.0028	12.75	5.29	44196

Node: FDOT-1B

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.72	0.0001	4
5.22	0.4700	20473
8.00	0.8300	36155

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1B	005Yr-001Hr	5.22	3.92	0.0138	17.54	17.50	1283
FDOT-1B	005Yr-024Hr	5.22	4.13	0.0138	18.92	18.94	1285
FDOT-1B	010Yr-024Hr	5.22	4.75	0.0138	21.12	21.15	1285
FDOT-1B	025Yr-072Hr	5.22	5.10	0.0138	20.83	22.75	15439
FDOT-1B	100Yr-072Hr	5.22	5.61	0.0138	28.40	25.85	22693

Node: FDOT-2A

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.44	0.0001	4
3.94	0.5100	22216
8.00	1.5000	65340

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2A	005Yr-001Hr	3.91	4.48	0.0077	13.44	3.44	27986
FDOT-2A	005Yr-024Hr	3.91	4.85	0.0077	12.34	8.44	31875
FDOT-2A	010Yr-024Hr	3.91	5.14	0.0077	16.59	11.23	34991
FDOT-2A	025Yr-072Hr	3.91	5.38	0.0077	20.42	13.67	37524
FDOT-2A	100Yr-072Hr	3.91	5.79	0.0077	27.64	15.15	41829

Node: FDOT-2B

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.21 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.71	0.0001	4
5.21	0.6200	27007
8.00	1.2300	53579

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2B	005Yr-001Hr	5.21	2.71	0.0053	38.41	36.32	781
FDOT-2B	005Yr-024Hr	5.21	2.99	0.0053	42.45	42.44	781
FDOT-2B	010Yr-024Hr	5.21	4.15	0.0053	51.21	51.10	781
FDOT-2B	025Yr-072Hr	5.21	4.50	0.0053	52.34	52.21	781
FDOT-2B	100Yr-072Hr	5.21	5.09	0.0053	53.94	53.78	20384

Node: FDOT-3A

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.38	0.0001	4
4.88	0.5500	23958
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3A	005Yr-001Hr	4.88	4.48	0.0225	28.26	9.60	4657
FDOT-3A	005Yr-024Hr	4.88	4.82	0.0225	28.26	14.68	21171
FDOT-3A	010Yr-024Hr	4.88	5.11	0.0225	28.26	14.92	26548
FDOT-3A	025Yr-072Hr	4.88	5.33	0.0225	28.26	16.05	29000
FDOT-3A	100Yr-072Hr	4.88	5.69	0.0225	28.26	22.53	32981

Node: FDOT-3B

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.40 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.99	0.0001	4
4.40	0.6200	27007
8.00	2.7300	118919

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3B	005Yr-001Hr	4.40	2.73	0.0044	7.08	7.11	100
FDOT-3B	005Yr-024Hr	4.40	3.03	0.0044	8.52	8.53	100
FDOT-3B	010Yr-024Hr	4.40	4.19	0.0044	11.85	11.73	13475
FDOT-3B	025Yr-072Hr	4.40	4.55	0.0044	14.48	13.43	30895
FDOT-3B	100Yr-072Hr	4.40	5.14	-0.0068	19.74	15.96	45948

Node: FDOT-4A

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.81	0.0001	4
4.31	0.3100	13504
8.00	1.2000	52272

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4A	005Yr-001Hr	4.18	4.47	-0.0275	12.69	28.26	15648
FDOT-4A	005Yr-024Hr	4.18	4.79	-0.0275	14.63	28.26	19075
FDOT-4A	010Yr-024Hr	4.18	5.08	-0.0275	21.41	28.26	22019
FDOT-4A	025Yr-072Hr	4.18	5.27	-0.0275	25.78	28.26	24040
FDOT-4A	100Yr-072Hr	4.18	5.57	-0.0275	32.85	29.68	27134

Node: FDOT-4B

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.40	0.0001	4
3.90	0.6300	27443
8.00	1.7500	76230

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4B	005Yr-001Hr	3.90	4.13	0.0008	10.65	0.31	30151
FDOT-4B	005Yr-024Hr	3.90	4.95	0.0002	9.95	3.89	39960
FDOT-4B	010Yr-024Hr	3.90	5.30	0.0002	12.27	4.91	44155
FDOT-4B	025Yr-072Hr	3.90	5.65	0.0002	15.00	5.07	48292
FDOT-4B	100Yr-072Hr	3.90	6.21	0.0002	20.45	5.90	54941

Node: FDOT-5B

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6600	28750
8.00	2.2300	97139

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-5B	005Yr-001Hr	4.86	4.14	0.0008	3.35	3.31	100
FDOT-5B	005Yr-024Hr	4.86	4.94	0.0002	6.81	6.38	30426
FDOT-5B	010Yr-024Hr	4.86	5.28	0.0002	10.39	9.46	38012
FDOT-5B	025Yr-072Hr	4.86	5.63	0.0002	9.73	9.87	45507
FDOT-5B	100Yr-072Hr	4.86	6.18	0.0002	13.54	10.77	57523

Node: NZA-A1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.60 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.10	0.0001	4
3.60	0.5200	22651
8.00	1.3600	59242

Comment: As-built Structure D-195

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A1	005Yr-001Hr	3.60	3.16	-0.0006	10.71	10.66	2896
NZA-A1	005Yr-024Hr	3.60	3.36	-0.0010	12.55	12.65	11970
NZA-A1	010Yr-024Hr	3.60	4.10	-0.0042	24.59	24.16	26843
NZA-A1	025Yr-072Hr	3.60	4.30	-0.0048	33.73	32.74	28488
NZA-A1	100Yr-072Hr	3.60	4.58	-0.0038	50.63	47.94	30807

Node: NZA-A2

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4800	20909
8.00	1.6200	70567

Comment: AS-BUILT INLET CA-95

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A2	005Yr-001Hr	4.24	4.24	0.0005	9.56	4.59	20871
NZA-A2	005Yr-024Hr	4.24	4.76	-0.0058	11.13	8.44	27733
NZA-A2	010Yr-024Hr	4.24	4.98	-0.0054	19.45	17.63	30646
NZA-A2	025Yr-072Hr	4.24	5.10	-0.0054	26.43	24.88	32269
NZA-A2	100Yr-072Hr	4.24	5.26	-0.0053	39.71	37.02	34407

Node: NZA-A3

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.95	0.0001	4
4.45	0.6200	27007
8.00	2.2100	96268

Comment: AS-BUILT STRUCTURE BY95

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A3	005Yr-001Hr	4.45	4.42	-0.0007	10.45	5.47	25225
NZA-A3	005Yr-024Hr	4.45	4.84	-0.0024	12.57	7.00	34634
NZA-A3	010Yr-024Hr	4.45	5.01	-0.0023	17.47	11.26	37878
NZA-A3	025Yr-072Hr	4.45	5.13	-0.0023	21.35	14.70	40261
NZA-A3	100Yr-072Hr	4.45	5.44	-0.0023	29.11	24.56	46412

Node: NZA-A4

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.6400	27878
8.00	2.2900	99752

Comment: As-built Structrure AB95

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A4	005Yr-001Hr	4.80	4.11	-0.0069	11.87	11.87	131
NZA-A4	005Yr-024Hr	4.80	4.42	-0.0069	13.94	13.94	6595
NZA-A4	010Yr-024Hr	4.80	4.94	-0.0069	18.21	16.95	30948
NZA-A4	025Yr-072Hr	4.80	5.19	-0.0069	27.91	20.35	36596
NZA-A4	100Yr-072Hr	4.80	5.63	-0.0069	35.63	24.04	46443

Node: NZA-AA1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1000	4356
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA1	005Yr-001Hr	4.00	3.35	0.0010	15.72	15.71	308
NZA-AA1	005Yr-024Hr	4.00	3.46	0.0010	17.72	17.71	308
NZA-AA1	010Yr-024Hr	4.00	3.66	0.0010	21.71	21.70	1710
NZA-AA1	025Yr-072Hr	4.00	3.79	0.0010	24.40	24.39	2818
NZA-AA1	100Yr-072Hr	4.00	4.06	0.0010	31.33	31.30	4798

Node: NZA-AA2

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.0900	3920
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA2	005Yr-001Hr	4.00	3.47	0.0010	13.58	13.58	381
NZA-AA2	005Yr-024Hr	4.00	3.58	0.0010	15.27	15.28	985
NZA-AA2	010Yr-024Hr	4.00	3.80	0.0010	18.86	18.90	2685
NZA-AA2	025Yr-072Hr	4.00	3.94	0.0010	21.19	21.24	3766
NZA-AA2	100Yr-072Hr	4.00	4.18	0.0010	26.91	26.94	4804

Node: NZA-AA3

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.5200	22651
8.00	1.0800	47045

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA3	005Yr-001Hr	4.00	3.54	0.0027	11.61	11.59	1939
NZA-AA3	005Yr-024Hr	4.00	3.66	0.0027	13.18	13.08	7289
NZA-AA3	010Yr-024Hr	4.00	3.89	0.0027	16.73	16.42	17924
NZA-AA3	025Yr-072Hr	4.00	4.04	0.0027	19.08	18.44	23037
NZA-AA3	100Yr-072Hr	4.00	4.24	0.0027	23.59	22.97	24275

Node: NZA-AA4

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1300	5663
8.00	0.7900	34412

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA4	005Yr-001Hr	4.00	3.56	0.0045	18.49	9.78	874
NZA-AA4	005Yr-024Hr	4.00	3.68	0.0045	18.49	10.97	2270
NZA-AA4	010Yr-024Hr	4.00	3.94	0.0045	18.49	14.00	5110
NZA-AA4	025Yr-072Hr	4.00	4.08	0.0045	18.49	15.80	6409
NZA-AA4	100Yr-072Hr	4.00	4.28	0.0045	19.92	19.27	7789

Node: NZA-AA5

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1200	5227
8.00	0.4300	18731

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA5	005Yr-001Hr	4.00	3.59	-0.0037	7.97	25.21	1245
NZA-AA5	005Yr-024Hr	4.00	3.71	-0.0037	9.06	25.21	2408
NZA-AA5	010Yr-024Hr	4.00	3.97	-0.0037	11.82	25.21	5115
NZA-AA5	025Yr-072Hr	4.00	4.11	-0.0037	13.28	25.21	5755
NZA-AA5	100Yr-072Hr	4.00	4.30	-0.0037	15.81	25.21	6371

Node: NZA-AA7

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4700	20473
8.00	0.8800	38333

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA7	005Yr-001Hr	8.00	3.92	0.0003	4.72	0.00	17002
NZA-AA7	005Yr-024Hr	8.00	4.42	-0.0016	8.62	3.69	22336
NZA-AA7	010Yr-024Hr	8.00	4.94	-0.0021	15.70	6.49	24652
NZA-AA7	025Yr-072Hr	8.00	5.19	-0.0022	20.35	8.09	25775
NZA-AA7	100Yr-072Hr	8.00	5.63	-0.0020	24.04	8.61	27732

Node: NZA-B1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.17 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.67	0.0001	4
4.17	0.7000	30492
8.00	1.9500	84942

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B1	005Yr-001Hr	4.17	2.71	-0.0056	30.31	31.75	100
NZA-B1	005Yr-024Hr	4.17	2.99	-0.0061	34.73	35.60	100
NZA-B1	010Yr-024Hr	4.17	3.66	-0.0061	40.00	39.88	100
NZA-B1	025Yr-072Hr	4.17	4.14	-0.0065	50.67	49.59	28850
NZA-B1	100Yr-072Hr	4.17	4.58	-0.0065	79.40	78.51	36365

Node: NZA-B2

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.73 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.23	0.0001	4
4.73	0.5200	22651
8.00	1.6900	73616

Comment: As-built Structure EX-283

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B2	005Yr-001Hr	4.73	2.91	-0.0041	13.05	13.57	100
NZA-B2	005Yr-024Hr	4.73	3.33	-0.0047	16.55	16.97	100
NZA-B2	010Yr-024Hr	4.73	4.36	-0.0047	22.84	22.36	5899
NZA-B2	025Yr-072Hr	4.73	4.72	-0.0046	28.89	27.05	22023
NZA-B2	100Yr-072Hr	4.73	5.00	-0.0082	40.84	37.74	26844

Node: NZA-B3

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.83 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.33	0.0001	4
4.83	0.5500	23958
8.00	1.0800	47045

Comment: As-built Structure EX-291

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B3	005Yr-001Hr	4.83	2.98	-0.0030	4.73	4.90	100
NZA-B3	005Yr-024Hr	4.83	3.47	-0.0036	5.87	6.02	100
NZA-B3	010Yr-024Hr	4.83	4.66	-0.0035	11.14	12.05	15717
NZA-B3	025Yr-072Hr	4.83	4.83	-0.0044	14.84	14.05	24003
NZA-B3	100Yr-072Hr	4.83	5.04	-0.0070	21.13	21.31	25512

Node: NZA-B4

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3400	14810
8.00	1.4300	62291

Comment: AS-BUILT STRUCTURE EX-295

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B4	005Yr-001Hr	4.80	2.98	-0.0083	11.16	11.06	100
NZA-B4	005Yr-024Hr	4.80	3.47	-0.0083	14.99	15.14	100
NZA-B4	010Yr-024Hr	4.80	4.74	-0.0083	23.88	24.28	13156
NZA-B4	025Yr-072Hr	4.80	5.10	-0.0083	26.55	23.83	19202
NZA-B4	100Yr-072Hr	4.80	5.62	-0.0083	36.87	30.84	26982

Node: NZA-C1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.6800	29621
8.00	2.1100	91912

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C1	005Yr-001Hr	4.44	3.85	-0.0006	6.93	6.98	100
NZA-C1	005Yr-024Hr	4.44	4.32	-0.0011	8.34	7.67	22590
NZA-C1	010Yr-024Hr	4.44	4.92	-0.0018	12.39	8.30	37984
NZA-C1	025Yr-072Hr	4.44	5.20	-0.0020	18.97	18.72	42924
NZA-C1	100Yr-072Hr	4.44	5.41	-0.0018	32.46	31.39	46685

Node: NZA-C2

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 5.78 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
5.28	0.0001	4
5.78	0.5000	21780
8.00	1.3900	60548

Comment: AS-BUILT STRUCTURE EX-404.

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C2	005Yr-001Hr	5.78	5.86	0.0013	9.36	5.96	23199
NZA-C2	005Yr-024Hr	5.78	5.96	-0.0008	11.25	10.04	24884
NZA-C2	010Yr-024Hr	5.78	6.05	-0.0008	15.64	14.39	26492
NZA-C2	025Yr-072Hr	5.78	6.11	-0.0007	19.12	17.78	27542
NZA-C2	100Yr-072Hr	5.78	6.21	-0.0005	26.07	24.77	29324

Node: NZA-CS-01

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-01	005Yr-001Hr	8.00	2.01	-0.0176	31.75	35.63	100
NZA-CS-01	005Yr-024Hr	8.00	2.02	-0.0184	35.60	37.59	100
NZA-CS-01	010Yr-024Hr	8.00	2.05	0.0199	39.88	39.93	100
NZA-CS-01	025Yr-072Hr	8.00	2.28	0.0199	42.90	42.93	100
NZA-CS-01	100Yr-072Hr	8.00	2.44	0.0199	46.03	46.07	100

Node: NZA-CS-02

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.83	0.0010	44

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-02	005Yr-001Hr	8.00	2.01	-0.0147	23.59	28.26	100
NZA-CS-02	005Yr-024Hr	8.00	2.01	0.0150	26.72	29.84	100
NZA-CS-02	010Yr-024Hr	8.00	2.02	0.0170	33.02	33.09	100
NZA-CS-02	025Yr-072Hr	8.00	2.23	0.0170	35.55	35.62	100
NZA-CS-02	100Yr-072Hr	8.00	2.36	0.0169	37.74	37.82	100

Node: NZA-CS-03

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-03	005Yr-001Hr	8.00	3.41	0.0003	25.71	25.69	100
NZA-CS-03	005Yr-024Hr	8.00	3.91	0.0008	31.35	31.35	100
NZA-CS-03	010Yr-024Hr	8.00	4.40	0.0009	35.91	35.91	100
NZA-CS-03	025Yr-072Hr	8.00	4.52	-0.0010	36.98	36.98	100
NZA-CS-03	100Yr-072Hr	8.00	4.83	-0.0009	39.55	39.55	100

Node: NZA-CS-04

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0010	44

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	005Yr-001Hr	8.00	2.49	-0.0006	6.62	6.61	100
NZA-CS-04	005Yr-024Hr	8.00	2.56	-0.0007	7.23	7.23	100
NZA-CS-04	010Yr-024Hr	8.00	2.87	-0.0007	8.95	8.95	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	025Yr-072Hr	8.00	2.95	-0.0008	9.33	9.33	100
NZA-CS-04	100Yr-072Hr	8.00	3.09	-0.0007	9.80	9.80	100

Node: NZA-CS-05

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-05	005Yr-001Hr	8.00	2.98	0.0005	11.17	11.16	100
NZA-CS-05	005Yr-024Hr	8.00	4.47	-0.0013	15.27	15.22	100
NZA-CS-05	010Yr-024Hr	8.00	4.64	-0.0015	15.48	15.41	100
NZA-CS-05	025Yr-072Hr	8.00	4.87	-0.0015	15.68	15.59	100
NZA-CS-05	100Yr-072Hr	8.00	5.15	-0.0014	14.97	14.95	100

Node: NZA-CS-TOWN

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.15	0.0010	44

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-TOWN	005Yr-001Hr	8.00	3.18	0.0010	15.71	15.71	344
NZA-CS-TOWN	005Yr-024Hr	8.00	3.28	0.0010	17.71	17.71	344
NZA-CS-TOWN	010Yr-024Hr	8.00	3.46	0.0010	21.70	21.70	344
NZA-CS-TOWN	025Yr-072Hr	8.00	3.57	0.0010	24.39	24.39	344
NZA-CS-TOWN	100Yr-072Hr	8.00	3.81	0.0010	30.31	30.31	344

Node: NZA-D1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4400	19166
8.00	1.1600	50530

Comment: AS-BUILT STRUCTURE EX-271

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D1	005Yr-001Hr	3.56	3.01	0.0005	13.65	13.64	100
NZA-D1	005Yr-024Hr	3.56	4.52	-0.0019	31.41	28.00	25977
NZA-D1	010Yr-024Hr	3.56	4.69	-0.0020	44.26	35.41	27141
NZA-D1	025Yr-072Hr	3.56	4.92	-0.0021	49.97	41.09	28815
NZA-D1	100Yr-072Hr	3.56	5.20	-0.0019	48.40	43.65	30798

Node: NZA-D2

Scenario: OPTION 1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.62 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.12	0.0001	4
3.62	0.4900	21344
8.00	1.4700	64033

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D2	005Yr-001Hr	3.62	3.73	0.0006	16.93	9.91	22445
NZA-D2	005Yr-024Hr	3.62	4.66	0.0010	33.91	31.30	31552
NZA-D2	010Yr-024Hr	3.62	4.95	0.0010	46.93	40.91	34302
NZA-D2	025Yr-072Hr	3.62	5.21	0.0010	54.75	47.52	36894
NZA-D2	100Yr-072Hr	3.62	5.57	0.0010	62.18	62.34	40388

Node: NZA-D3

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.98 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.48	0.0001	4
3.98	0.4700	20473
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE EX-263

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D3	005Yr-001Hr	3.98	3.96	0.0005	8.61	4.43	19741
NZA-D3	005Yr-024Hr	3.98	4.88	-0.0017	29.09	27.92	30600
NZA-D3	010Yr-024Hr	3.98	5.25	-0.0015	40.79	33.13	34744
NZA-D3	025Yr-072Hr	3.98	5.61	-0.0015	45.63	38.54	38877
NZA-D3	100Yr-072Hr	3.98	6.10	-0.0009	48.21	45.24	44410

Node: NZA-D4

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.16 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.66	0.0001	4
4.16	0.9400	40946
8.00	2.5700	111949

Comment: AS-BUILT STRUCTURE EX-258

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D4	005Yr-001Hr	4.16	4.27	0.0008	13.74	2.40	43021
NZA-D4	005Yr-024Hr	4.16	5.08	0.0002	27.48	25.26	57977
NZA-D4	010Yr-024Hr	4.16	5.52	0.0002	42.24	29.90	66049
NZA-D4	025Yr-072Hr	4.16	5.98	0.0002	50.81	33.65	74524
NZA-D4	100Yr-072Hr	4.16	6.58	0.0002	59.95	39.27	85775

Node: NZA-D5

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.9400	40946
8.00	1.5200	66211

Comment: AS-BUILT STRUCTURE EX-253

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D5	005Yr-001Hr	4.46	4.61	0.0009	15.06	2.48	42022
NZA-D5	005Yr-024Hr	4.46	5.21	0.0002	22.60	20.07	46305
NZA-D5	010Yr-024Hr	4.46	5.68	0.0002	39.81	25.31	49641
NZA-D5	025Yr-072Hr	4.46	6.19	0.0002	50.58	26.59	53302
NZA-D5	100Yr-072Hr	4.46	6.86	-0.0002	52.73	29.32	58113

Node: NZA-D6

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.48 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.98	0.0001	4
4.48	1.0400	45302
8.00	1.9600	85378

Comment: AS-BUILT STRUCTURE EX-249

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D6	005Yr-001Hr	4.48	4.58	0.0010	15.78	5.83	46398
NZA-D6	005Yr-024Hr	4.48	5.29	0.0002	18.63	13.30	54504
NZA-D6	010Yr-024Hr	4.48	5.74	0.0002	27.87	18.26	59643
NZA-D6	025Yr-072Hr	4.48	6.27	0.0002	36.14	21.18	65717
NZA-D6	100Yr-072Hr	4.48	6.97	0.0002	43.14	19.29	73647

Node: NZA-D7

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.90	0.5900	25700
8.00	1.9200	83635

Comment: AS-BUILT STRUCTURE EX-HG92

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D7	005Yr-001Hr	3.90	4.25	0.0010	15.10	0.04	30613
NZA-D7	005Yr-024Hr	3.90	5.30	0.0001	13.71	5.06	45429
NZA-D7	010Yr-024Hr	3.90	5.75	0.0002	16.53	7.27	51815
NZA-D7	025Yr-072Hr	3.90	6.28	-0.0001	19.36	7.82	59394
NZA-D7	100Yr-072Hr	3.90	6.98	0.0001	27.42	8.59	69279

Node: NZA-DS1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.20	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS1	005Yr-001Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS1	005Yr-024Hr	8.00	1.60	0.0000	0.05	0.00	100
NZA-DS1	010Yr-024Hr	8.00	1.60	0.0001	0.28	0.30	100
NZA-DS1	025Yr-072Hr	8.00	1.60	-0.0002	3.30	3.44	100
NZA-DS1	100Yr-072Hr	8.00	1.60	-0.0002	6.43	6.56	100

Node: NZA-DS2

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.86	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS2	005Yr-001Hr	8.00	1.60	0.0000	0.02	0.00	100
NZA-DS2	005Yr-024Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS2	010Yr-024Hr	8.00	1.60	0.0001	0.06	0.00	100
NZA-DS2	025Yr-072Hr	8.00	1.60	0.0001	2.55	2.73	100
NZA-DS2	100Yr-072Hr	8.00	1.60	0.0002	4.75	4.84	100

Node: NZA-DS3

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.90	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS3	005Yr-001Hr	8.00	1.61	-0.0015	25.69	25.71	100
NZA-DS3	005Yr-024Hr	8.00	1.62	-0.0019	31.35	31.38	100
NZA-DS3	010Yr-024Hr	8.00	1.62	-0.0020	35.91	35.93	100
NZA-DS3	025Yr-072Hr	8.00	1.62	-0.0020	36.98	37.00	100
NZA-DS3	100Yr-072Hr	8.00	1.63	-0.0020	39.55	39.57	100

Node: NZA-E1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.5100	22216
8.00	1.8400	80150

Comment: AS-BUILT STRUCTURE BA91

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E1	005Yr-001Hr	4.18	2.68	0.0005	24.92	24.92	100
NZA-E1	005Yr-024Hr	4.18	3.41	0.0009	45.62	45.62	100
NZA-E1	010Yr-024Hr	4.18	4.33	0.0009	60.74	59.54	24449
NZA-E1	025Yr-072Hr	4.18	4.76	0.0009	74.94	69.54	31022
NZA-E1	100Yr-072Hr	4.18	5.03	0.0009	92.82	92.72	35186

Node: NZA-E2

Scenario: OPTION 1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4500	19602
8.00	1.4400	62726

Comment: AS-BUILT STRUCTURE EX-180

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E2	005Yr-001Hr	4.24	3.57	0.0005	15.30	15.29	100
NZA-E2	005Yr-024Hr	4.24	4.55	-0.0010	29.00	28.75	23129
NZA-E2	010Yr-024Hr	4.24	4.74	-0.0012	36.95	35.40	25385
NZA-E2	025Yr-072Hr	4.24	5.02	-0.0015	43.48	41.73	28543
NZA-E2	100Yr-072Hr	4.24	5.37	-0.0011	51.52	44.97	32628

Node: NZA-E3

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.15	0.0001	4
4.65	0.4600	20038
8.00	1.4500	63162

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E3	005Yr-001Hr	4.65	3.91	0.0006	13.01	12.99	100
NZA-E3	005Yr-024Hr	4.65	4.66	0.0009	26.99	26.19	20222
NZA-E3	010Yr-024Hr	4.65	4.95	0.0009	39.02	34.86	23878
NZA-E3	025Yr-072Hr	4.65	5.22	0.0009	42.98	35.72	27353
NZA-E3	100Yr-072Hr	4.65	5.60	0.0009	48.44	43.61	32313

Node: NZA-E4

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.4600	20038
8.00	1.4900	64904

Comment: AS-BUILT STRUCTURE EX-191

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E4	005Yr-001Hr	4.46	4.34	0.0019	12.06	7.33	15169
NZA-E4	005Yr-024Hr	4.46	4.83	-0.0053	23.03	22.79	24719
NZA-E4	010Yr-024Hr	4.46	5.13	-0.0044	32.82	29.63	28481
NZA-E4	025Yr-072Hr	4.46	5.44	-0.0043	36.80	29.41	32411
NZA-E4	100Yr-072Hr	4.46	5.93	-0.0045	41.28	36.56	38697

Node: NZA-E5

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.59 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.09	0.0001	4
4.59	0.4600	20038
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE DI91

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E5	005Yr-001Hr	4.59	4.34	0.0016	7.10	9.99	10060
NZA-E5	005Yr-024Hr	4.59	4.84	0.0047	19.11	19.01	23462
NZA-E5	010Yr-024Hr	4.59	5.13	0.0045	26.54	23.64	27354
NZA-E5	025Yr-072Hr	4.59	5.45	0.0044	30.01	26.17	31584
NZA-E5	100Yr-072Hr	4.59	5.95	0.0046	33.82	30.46	38315

Node: NZA-E6

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.72	0.0001	4
4.22	0.4700	20473
8.00	1.4700	64033

Comment: AS-BUILT STRUCTURE EX-CA91

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E6	005Yr-001Hr	4.22	4.34	0.0006	10.28	5.07	21844
NZA-E6	005Yr-024Hr	4.22	4.87	-0.0018	15.35	15.36	27983
NZA-E6	010Yr-024Hr	4.22	5.19	-0.0017	21.06	19.70	31685
NZA-E6	025Yr-072Hr	4.22	5.52	-0.0014	24.03	20.98	35454
NZA-E6	100Yr-072Hr	4.22	6.04	-0.0012	28.57	25.11	41464

Node: NZA-E7

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.06 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.56	0.0001	4
4.06	0.4500	19602
8.00	1.3500	58806

Comment: AS-BUILT STRUCTURE EX-215

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E7	005Yr-001Hr	4.06	4.34	0.0005	11.73	2.31	22360
NZA-E7	005Yr-024Hr	4.06	4.91	-0.0023	16.57	11.92	28063
NZA-E7	010Yr-024Hr	4.06	5.24	-0.0022	23.04	15.31	31373
NZA-E7	025Yr-072Hr	4.06	5.58	-0.0018	20.38	16.79	34723
NZA-E7	100Yr-072Hr	4.06	6.12	-0.0013	23.62	20.18	40076

Node: NZA-E8

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4500	19602
8.00	1.3300	57935

Comment: AS-BUILT STRUCTURE EX-AB91

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E8	005Yr-001Hr	4.00	4.22	0.0006	7.97	1.11	21728
NZA-E8	005Yr-024Hr	4.00	4.93	-0.0014	18.14	9.81	28548
NZA-E8	010Yr-024Hr	4.00	5.27	-0.0012	23.64	11.92	31799
NZA-E8	025Yr-072Hr	4.00	5.61	0.0002	16.73	12.84	35077
NZA-E8	100Yr-072Hr	4.00	6.16	0.0002	19.45	15.49	40327

Node: NZA-F1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 2.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
2.41	0.0001	4
2.91	0.4700	20473
8.00	1.3100	57064

Comment: AS-BUILT STRUCTURE EX-114

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F1	005Yr-001Hr	2.91	2.99	0.0004	8.05	2.46	21098
NZA-F1	005Yr-024Hr	2.91	3.47	-0.0010	9.44	6.17	24519
NZA-F1	010Yr-024Hr	2.91	4.35	-0.0010	12.82	7.18	30805
NZA-F1	025Yr-072Hr	2.91	4.77	-0.0010	20.63	14.36	33861
NZA-F1	100Yr-072Hr	2.91	5.20	-0.0010	40.44	23.56	36952

Node: NZA-F2

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.08 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.58	0.0001	4
4.08	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-119

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F2	005Yr-001Hr	4.08	3.83	0.0004	5.40	4.25	6706
NZA-F2	005Yr-024Hr	4.08	4.18	-0.0011	8.77	8.43	14254
NZA-F2	010Yr-024Hr	4.08	4.35	-0.0008	16.80	16.67	15533
NZA-F2	025Yr-072Hr	4.08	4.80	-0.0006	27.70	25.48	18911
NZA-F2	100Yr-072Hr	4.08	5.28	-0.0005	40.06	36.11	22458

Node: NZA-F3

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.96 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.46	0.0001	4
3.96	0.4200	18295
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 123

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F3	005Yr-001Hr	3.96	4.04	0.0005	6.45	1.79	19104
NZA-F3	005Yr-024Hr	3.96	4.40	-0.0015	7.76	5.11	23014
NZA-F3	010Yr-024Hr	3.96	4.59	-0.0016	13.87	13.68	24982
NZA-F3	025Yr-072Hr	3.96	4.93	-0.0014	23.35	22.52	28674
NZA-F3	100Yr-072Hr	3.96	5.51	-0.0013	40.43	28.52	34879

Node: NZA-F4

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.61 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.11	0.0001	4
3.61	0.4500	19602
8.00	1.4500	63162

Comment: EX.AS-BUILT STRUCTURE 126

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F4	005Yr-001Hr	3.61	3.82	0.0006	7.80	1.01	21737
NZA-F4	005Yr-024Hr	3.61	4.86	0.0001	9.12	2.85	32050
NZA-F4	010Yr-024Hr	3.61	5.05	0.0001	12.27	9.60	33915
NZA-F4	025Yr-072Hr	3.61	5.18	0.0001	19.50	19.16	35197
NZA-F4	100Yr-072Hr	3.61	5.65	0.0001	36.85	30.83	39886

Node: NZA-F5

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.38	0.0001	4
3.88	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 131

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F5	005Yr-001Hr	3.88	3.94	0.0006	6.96	2.14	20247
NZA-F5	005Yr-024Hr	3.88	4.91	0.0002	8.30	2.69	30030
NZA-F5	010Yr-024Hr	3.88	5.20	0.0002	13.77	4.93	33018
NZA-F5	025Yr-072Hr	3.88	5.37	0.0001	13.85	12.60	34686
NZA-F5	100Yr-072Hr	3.88	5.77	0.0001	27.00	23.02	38772

Node: NZA-F6

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.15	0.0001	4
3.65	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 135

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F6	005Yr-001Hr	3.65	3.95	0.0006	8.02	0.91	22486
NZA-F6	005Yr-024Hr	3.65	4.90	0.0001	9.06	5.21	31606
NZA-F6	010Yr-024Hr	3.65	5.20	0.0001	18.02	7.41	34532
NZA-F6	025Yr-072Hr	3.65	5.38	0.0002	15.62	7.85	36220
NZA-F6	100Yr-072Hr	3.65	5.81	-0.0002	22.71	14.50	40336

Node: NZA-F7

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.29 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.79	0.0001	4
4.29	0.4400	19166
8.00	1.4700	64033

Comment: EX.AS-BUILT STRUCTURE 141

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F7	005Yr-001Hr	4.29	4.26	0.0005	6.62	3.01	18049
NZA-F7	005Yr-024Hr	4.29	4.89	-0.0003	8.03	8.01	26465
NZA-F7	010Yr-024Hr	4.29	5.20	-0.0002	14.88	11.86	30134
NZA-F7	025Yr-072Hr	4.29	5.38	0.0002	15.36	12.43	32351
NZA-F7	100Yr-072Hr	4.29	5.81	0.0001	27.78	16.63	37601

Node: NZA-F8

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.4400	19166
8.00	1.4600	63598

Comment: EX.AS-BUILT STRUCTURE 142

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F8	005Yr-001Hr	4.44	4.13	0.0003	8.36	8.09	7185
NZA-F8	005Yr-024Hr	4.44	4.88	0.0001	12.88	12.99	24671
NZA-F8	010Yr-024Hr	4.44	5.17	0.0001	18.23	17.08	28305
NZA-F8	025Yr-072Hr	4.44	5.37	0.0001	21.77	17.81	30803
NZA-F8	100Yr-072Hr	4.44	5.81	0.0001	35.91	18.90	36298

Node: NZA-F9

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.27 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.77	0.0001	4
4.27	0.3600	15682
8.00	1.1200	48787

Comment: EX.AS-BUILT STRUCTURE 148

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F9	005Yr-001Hr	4.27	4.28	0.0005	4.92	1.70	15813
NZA-F9	005Yr-024Hr	4.27	4.88	-0.0018	5.91	2.90	21129
NZA-F9	010Yr-024Hr	4.27	5.17	-0.0018	11.20	6.68	23699
NZA-F9	025Yr-072Hr	4.27	5.38	-0.0016	15.94	7.63	25521
NZA-F9	100Yr-072Hr	4.27	5.82	-0.0014	18.19	6.52	29437

Node: NZA-G1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.81 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.31	0.0001	4
3.81	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-166

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G1	005Yr-001Hr	3.81	3.00	-0.0006	3.59	3.69	100
NZA-G1	005Yr-024Hr	3.81	3.44	0.0010	4.72	4.81	3409
NZA-G1	010Yr-024Hr	3.81	4.34	0.0010	5.99	6.29	17209
NZA-G1	025Yr-072Hr	3.81	4.77	0.0010	13.75	12.22	20177
NZA-G1	100Yr-072Hr	3.81	5.20	0.0010	22.96	12.99	23219

Node: NZA-G2

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.6800	29621
8.00	2.2400	97574

Comment: EX.AS-BUILT STRUCTURE 108

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G2	005Yr-001Hr	4.00	2.78	-0.0043	24.75	26.15	100
NZA-G2	005Yr-024Hr	4.00	3.10	-0.0043	28.37	29.36	100
NZA-G2	010Yr-024Hr	4.00	4.00	-0.0043	40.18	38.34	29656
NZA-G2	025Yr-072Hr	4.00	4.76	-0.0075	59.04	56.02	42558
NZA-G2	100Yr-072Hr	4.00	5.20	-0.0071	75.12	59.50	50062

Node: NZA-G3

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.20 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.70	0.0001	4
4.20	0.4000	17424
8.00	1.2500	54450

Comment: EX.AS-BUILT STRUCTURE 105

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G3	005Yr-001Hr	4.20	3.64	-0.0027	14.31	14.50	100
NZA-G3	005Yr-024Hr	4.20	3.95	-0.0028	15.93	15.34	8727
NZA-G3	010Yr-024Hr	4.20	4.42	-0.0028	20.57	20.11	19571
NZA-G3	025Yr-072Hr	4.20	4.93	-0.0040	32.11	29.42	24532
NZA-G3	100Yr-072Hr	4.20	5.46	-0.0040	50.37	36.67	29749

Node: NZA-G4

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3800	16553
8.00	0.9600	41818

Comment: EX.AS-BUILT STRUCTURE 101

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G4	005Yr-001Hr	4.80	3.96	0.0004	8.91	8.95	507
NZA-G4	005Yr-024Hr	4.80	4.33	-0.0008	10.15	10.20	1018
NZA-G4	010Yr-024Hr	4.80	4.92	-0.0011	15.97	15.80	17533
NZA-G4	025Yr-072Hr	4.80	5.17	-0.0012	26.64	25.88	19484
NZA-G4	100Yr-072Hr	4.80	5.64	-0.0014	39.42	36.67	23217

Node: NZA-G5

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.3900	16988
8.00	1.1100	48352

Comment: EX.AS-BUILT STRUCTURE 95

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G5	005Yr-001Hr	4.46	4.25	0.0004	5.73	4.50	10019
NZA-G5	005Yr-024Hr	4.46	4.85	-0.0042	9.18	7.86	20481
NZA-G5	010Yr-024Hr	4.46	5.11	-0.0041	12.74	11.52	22732
NZA-G5	025Yr-072Hr	4.46	5.25	-0.0043	18.49	18.24	24005
NZA-G5	100Yr-072Hr	4.46	5.73	-0.0040	26.89	22.42	28219

Node: NZA-G6

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.42 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.92	0.0001	4
4.42	0.3600	15682
8.00	1.1400	49658

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G6	005Yr-001Hr	4.42	4.27	0.0003	4.76	3.19	11139
NZA-G6	005Yr-024Hr	4.42	4.86	-0.0007	7.59	5.21	19835
NZA-G6	010Yr-024Hr	4.42	5.13	-0.0007	11.17	7.81	22395
NZA-G6	025Yr-072Hr	4.42	5.31	-0.0008	13.42	13.25	24124
NZA-G6	100Yr-072Hr	4.42	5.77	-0.0006	19.91	14.13	28524

Node: NZA-G7

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.19 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.69	0.0001	4
4.19	0.4600	20038
8.00	1.5200	66211

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G7	005Yr-001Hr	4.19	4.38	0.0009	7.07	0.00	22304
NZA-G7	005Yr-024Hr	4.19	4.86	0.0003	8.50	8.01	28145
NZA-G7	010Yr-024Hr	4.19	5.13	0.0003	14.06	10.89	31452
NZA-G7	025Yr-072Hr	4.19	5.33	0.0003	15.87	11.95	33876
NZA-G7	100Yr-072Hr	4.19	5.79	0.0003	24.17	11.07	39381

Node: NZA-G8

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.3300	14375
8.00	0.9800	42689

Comment: EX.AS-BUILT STRUCTURE 80

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G8	005Yr-001Hr	4.18	4.12	0.0003	19.79	16.36	12729
NZA-G8	005Yr-024Hr	4.18	4.86	0.0001	22.28	17.87	19432
NZA-G8	010Yr-024Hr	4.18	5.13	0.0001	27.78	25.59	21460
NZA-G8	025Yr-072Hr	4.18	5.33	0.0001	32.98	30.42	22979
NZA-G8	100Yr-072Hr	4.18	5.78	0.0001	40.79	32.38	26309

Node: NZA-G9

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.84 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.34	0.0001	4
4.84	0.4100	17860
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G9	005Yr-001Hr	4.84	4.47	0.0003	7.59	6.30	4782
NZA-G9	005Yr-024Hr	4.84	4.86	-0.0002	8.42	7.12	18110
NZA-G9	010Yr-024Hr	4.84	5.14	0.0002	13.05	10.91	21787
NZA-G9	025Yr-072Hr	4.84	5.34	0.0002	16.68	12.85	24366
NZA-G9	100Yr-072Hr	4.84	5.79	-0.0002	19.41	12.85	30216

Node: NZA-I1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.72 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.22	0.0001	4
3.72	0.2300	10019
8.00	2.0000	87120

Comment: As-built Structure EX-2011

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I1	005Yr-001Hr	3.72	2.45	-0.0012	6.76	6.68	100
NZA-I1	005Yr-024Hr	3.72	2.75	-0.0013	14.48	14.43	100
NZA-I1	010Yr-024Hr	3.72	3.24	-0.0013	22.19	22.18	355
NZA-I1	025Yr-072Hr	3.72	4.74	-0.0091	36.20	29.24	28411
NZA-I1	100Yr-072Hr	3.72	5.15	-0.0096	46.97	34.29	35710

Node: NZA-I2

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.95	0.2900	12632
8.00	0.9600	41818

Comment: As-built Structure EX-2013

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I2	005Yr-001Hr	3.95	3.82	0.0004	3.72	1.70	9624
NZA-I2	005Yr-024Hr	3.95	4.29	-0.0012	10.04	9.76	15052
NZA-I2	010Yr-024Hr	3.95	4.41	-0.0012	16.32	15.90	15937
NZA-I2	025Yr-072Hr	3.95	4.79	-0.0011	21.05	20.58	18695
NZA-I2	100Yr-072Hr	3.95	5.26	-0.0009	29.77	29.35	22061

Node: NZA-I3

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.49 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.99	0.0001	4
4.49	0.3300	14375
8.00	1.0900	47480

Comment: As-built Structure EX-2071

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I3	005Yr-001Hr	4.49	4.53	0.0007	4.06	1.14	14734
NZA-I3	005Yr-024Hr	4.49	4.78	-0.0006	7.02	6.83	17122
NZA-I3	010Yr-024Hr	4.49	4.87	-0.0006	11.47	11.11	17955
NZA-I3	025Yr-072Hr	4.49	4.93	-0.0005	14.78	14.31	18509
NZA-I3	100Yr-072Hr	4.49	5.33	-0.0004	23.25	21.80	22315

Node: NZA-I4

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.93	0.0001	4
4.43	0.3000	13068
8.00	1.0800	47045

Comment: As-built Structure EX-2021

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I4	005Yr-001Hr	4.43	4.52	0.0007	4.53	1.24	13977
NZA-I4	005Yr-024Hr	4.43	4.78	-0.0009	5.09	3.54	16449
NZA-I4	010Yr-024Hr	4.43	4.87	-0.0008	6.99	5.64	17294
NZA-I4	025Yr-072Hr	4.43	4.93	-0.0007	8.55	8.28	17854
NZA-I4	100Yr-072Hr	4.43	5.36	-0.0006	17.50	14.76	21924

Node: NZA-I5

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.41 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.91	0.0001	4
4.41	0.3300	14375
8.00	1.3300	57935

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I5	005Yr-001Hr	4.41	4.41	0.0006	5.56	2.39	14433
NZA-I5	005Yr-024Hr	4.41	4.79	-0.0004	6.57	3.75	18982
NZA-I5	010Yr-024Hr	4.41	4.87	-0.0004	8.61	6.30	20018
NZA-I5	025Yr-072Hr	4.41	5.01	-0.0002	10.50	8.49	21708
NZA-I5	100Yr-072Hr	4.41	5.39	0.0007	14.03	12.63	26299

Node: NZA-I6

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	1.0300	44867
8.00	2.2800	99317

Comment: EX.AS-BUILT STRUCTURE 2025

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I6	005Yr-001Hr	4.24	3.65	0.0003	25.74	25.71	100
NZA-I6	005Yr-024Hr	4.24	4.27	0.0014	33.49	31.35	45353
NZA-I6	010Yr-024Hr	4.24	4.86	-0.0012	47.47	35.91	53925
NZA-I6	025Yr-072Hr	4.24	5.02	0.0015	57.70	37.58	56110
NZA-I6	100Yr-072Hr	4.24	5.40	0.0015	70.51	43.29	61613

Node: NZA-I7

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4700	20473
8.00	1.4300	62291

Comment: EX.AS-BUILT STRUCTURE 36

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I7	005Yr-001Hr	3.56	3.86	0.0003	28.43	20.01	23372
NZA-I7	005Yr-024Hr	3.56	4.64	-0.0009	32.01	28.59	30675
NZA-I7	010Yr-024Hr	3.56	5.07	0.0007	44.87	37.67	34768
NZA-I7	025Yr-072Hr	3.56	5.26	0.0010	55.55	43.73	36532
NZA-I7	100Yr-072Hr	3.56	5.70	0.0009	69.89	47.84	40620

Node: NZA-I8

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.51 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.01	0.0001	4
4.51	0.4200	18295
8.00	1.3600	59242

Comment: EX.AS-BUILT STRUCTURE 42

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I8	005Yr-001Hr	4.51	4.46	0.0005	10.46	5.53	16594
NZA-I8	005Yr-024Hr	4.51	4.79	-0.0004	10.99	9.13	21528
NZA-I8	010Yr-024Hr	4.51	5.08	-0.0005	15.57	14.24	24952
NZA-I8	025Yr-072Hr	4.51	5.27	-0.0004	20.38	17.50	27244
NZA-I8	100Yr-072Hr	4.51	5.71	-0.0002	28.00	20.84	32363

Node: NZA-PS0

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0050	218

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS0	005Yr-001Hr	8.00	1.70	-0.0138	11.16	14.20	100
NZA-PS0	005Yr-024Hr	8.00	4.09	-0.0142	15.22	14.20	218
NZA-PS0	010Yr-024Hr	8.00	4.25	-0.0142	15.41	14.20	218
NZA-PS0	025Yr-072Hr	8.00	4.49	-0.0142	15.59	14.20	218
NZA-PS0	100Yr-072Hr	8.00	4.77	-0.0142	14.95	14.20	218

Node: NZA-PS1

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS1	005Yr-001Hr	8.00	2.00	-0.0210	35.63	39.60	100
NZA-PS1	005Yr-024Hr	8.00	2.00	0.0229	37.59	39.60	100
NZA-PS1	010Yr-024Hr	8.00	2.02	0.0248	39.73	39.60	100
NZA-PS1	025Yr-072Hr	8.00	2.25	0.0247	39.73	39.60	100
NZA-PS1	100Yr-072Hr	8.00	2.40	0.0247	39.73	39.60	102

Node: NZA-PS2

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS2	005Yr-001Hr	8.00	2.00	-0.0153	28.26	33.00	122
NZA-PS2	005Yr-024Hr	8.00	2.00	0.0163	29.84	33.00	122
NZA-PS2	010Yr-024Hr	8.00	2.00	0.0197	33.09	33.00	122
NZA-PS2	025Yr-072Hr	8.00	2.21	0.0196	33.09	33.00	162
NZA-PS2	100Yr-072Hr	8.00	2.33	0.0195	33.11	33.00	186

Node: NZA-PS3

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100

Node: NZA-S-106

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
4.49	0.0070	305

Comment: FDOT PUMP STATION

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-106	005Yr-001Hr	8.00	2.00	-0.0114	17.72	42.88	768
NZA-S-106	005Yr-024Hr	8.00	2.00	-0.0117	21.27	42.88	768
NZA-S-106	010Yr-024Hr	8.00	2.00	-0.0117	25.24	46.20	768
NZA-S-106	025Yr-072Hr	8.00	2.00	-0.0117	28.49	47.91	768
NZA-S-106	100Yr-072Hr	8.00	2.00	-0.0117	34.30	51.90	768

Node: NZA-S-77

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-77	005Yr-001Hr	8.00	1.82	0.0000	0.29	0.06	1271
NZA-S-77	005Yr-024Hr	8.00	2.00	0.0001	0.27	0.28	1691
NZA-S-77	010Yr-024Hr	8.00	3.87	0.0004	5.23	2.65	2097
NZA-S-77	025Yr-072Hr	8.00	4.22	0.0004	6.09	2.51	2170
NZA-S-77	100Yr-072Hr	8.00	4.80	0.0005	7.13	4.12	2223

Node: NZA-S-82

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
0.00	0.0070	305

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-82	005Yr-001Hr	8.00	2.00	-0.0030	36.32	43.17	1715
NZA-S-82	005Yr-024Hr	8.00	2.00	0.0033	42.44	43.15	1779
NZA-S-82	010Yr-024Hr	8.00	3.87	-0.0030	51.10	48.11	1899
NZA-S-82	025Yr-072Hr	8.00	4.22	-0.0030	52.21	48.97	1903
NZA-S-82	100Yr-072Hr	8.00	4.80	0.0030	53.78	50.01	1910

Node: NZA-S101

Scenario: OPTION 1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174

Stage [ft]	Area [ac]	Area [ft2]
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S101	005Yr-001Hr	8.00	2.00	-0.0080	1.72	14.45	181
NZA-S101	005Yr-024Hr	8.00	2.00	-0.0081	4.14	14.73	181
NZA-S101	010Yr-024Hr	8.00	2.00	-0.0081	5.51	14.72	181
NZA-S101	025Yr-072Hr	8.00	2.00	-0.0082	7.26	14.77	181
NZA-S101	100Yr-072Hr	8.00	2.00	-0.0082	10.38	14.77	181

Node: OUTFALL (88th)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.20 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.20
0	0	0	99999.0000	1.20

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (88th)	005Yr-001Hr	8.00	1.20	0.0000	6.68	0.00	0
OUTFALL (88th)	005Yr-024Hr	8.00	1.20	0.0000	14.43	0.00	0
OUTFALL (88th)	010Yr-024Hr	8.00	1.20	0.0000	22.18	0.00	0
OUTFALL (88th)	025Yr-072Hr	8.00	1.20	0.0000	29.24	0.00	0
OUTFALL	100Yr-072Hr	8.00	1.20	0.0000	34.29	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(88th)							

Node: OUTFALL (89th)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (89th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	025Yr-072Hr	8.00	1.60	0.0000	2.73	0.00	0
OUTFALL (89th)	100Yr-072Hr	8.00	1.60	0.0000	10.41	0.00	0

Node: OUTFALL (91st) - A

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - A	005Yr-001Hr	8.00	1.60	0.0000	12.53	0.00	0
OUTFALL (91st) - A	005Yr-024Hr	8.00	1.60	0.0000	25.68	0.00	0
OUTFALL (91st) - A	010Yr-024Hr	8.00	1.60	0.0000	35.05	0.00	0
OUTFALL (91st) - A	025Yr-072Hr	8.00	1.60	0.0000	39.10	0.00	0
OUTFALL (91st) - A	100Yr-072Hr	8.00	1.60	0.0000	52.29	0.00	0

Node: OUTFALL (91st) - B

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - B	005Yr-001Hr	8.00	1.60	0.0000	12.39	0.00	0
OUTFALL	005Yr-024Hr	8.00	1.60	0.0000	19.94	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(91st) - B							
OUTFALL (91st) - B	010Yr-024Hr	8.00	1.60	0.0000	24.48	0.00	0
OUTFALL (91st) - B	025Yr-072Hr	8.00	1.60	0.0000	27.72	0.00	0
OUTFALL (91st) - B	100Yr-072Hr	8.00	1.60	0.0000	40.43	0.00	0

Node: OUTFALL (92nd)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (92nd)	005Yr-001Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	005Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	010Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	025Yr-072Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	100Yr-072Hr	8.00	1.60	0.0000	19.90	0.00	0

Node: OUTFALL (94th)

Scenario: OPTION 1

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.30	0.00	0
OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	10.13	0.00	0
OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	38.15	0.00	0

Node: OUTFALL (95th)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (95th)	005Yr-001Hr	8.00	1.60	0.0000	6.61	0.00	0
OUTFALL (95th)	005Yr-024Hr	8.00	1.60	0.0000	7.23	0.00	0
OUTFALL (95th)	010Yr-024Hr	8.00	1.60	0.0000	18.69	0.00	0
OUTFALL (95th)	025Yr-072Hr	8.00	1.60	0.0000	30.48	0.00	0
OUTFALL (95th)	100Yr-072Hr	8.00	1.60	0.0000	47.94	0.00	0

Node: OUTFALL (96th)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (96th)	005Yr-001Hr	8.00	1.60	0.0000	15.71	0.00	0
OUTFALL (96th)	005Yr-024Hr	8.00	1.60	0.0000	17.71	0.00	0
OUTFALL (96th)	010Yr-024Hr	8.00	1.60	0.0000	21.70	0.00	0
OUTFALL (96th)	025Yr-072Hr	8.00	1.60	0.0000	24.39	0.00	0
OUTFALL (96th)	100Yr-072Hr	8.00	1.60	0.0000	31.30	0.00	0

Node: OUTFALL (CARLYLE)

Scenario: OPTION 1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	25.71	0.00	0
OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	31.38	0.00	0
OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	35.93	0.00	0
OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	37.00	0.00	0
OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	39.57	0.00	0

Drop Structure Link: CS-01

Scenario: OPTION 1
From Node: NZA-CS-01
To Node: NZA-DS1
Link Count: 1
Flow Direction: Both
Solution: Combine
Increments: 0
Pipe Count: 1
Damping: 0.0000 ft
Length: 175.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec

Upstream Pipe		Downstream Pipe	
Invert:	-1.83 ft	Invert:	-1.20 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.50 ft	Max Depth:	2.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-01 - Pipe	005Yr-001Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-001Hr	0.03	0.00	0.02	0.00	0.00	0.00
CS-01 - Pipe	005Yr-024Hr	0.05	0.00	0.04	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-024Hr	0.05	0.00	0.04	0.00	0.00	0.00
CS-01 - Pipe	010Yr-024Hr	0.28	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	010Yr-024Hr	0.28	0.00	0.05	0.74	0.74	0.74
CS-01 - Pipe	025Yr-072Hr	3.30	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	025Yr-072Hr	3.30	0.00	0.05	1.69	1.69	1.69
CS-01 - Pipe	100Yr-072Hr	6.43	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	100Yr-072Hr	6.43	0.00	0.05	2.11	2.11	2.11

Drop Structure Link: CS-02		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 1	Invert:	-2.30 ft	Invert:	-1.20 ft
From Node:	NZA-CS-02	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	80.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Pipe	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Pipe	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Pipe	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Pipe	025Yr-072Hr	2.55	0.00	0.04	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Weir: 1	025Yr-072Hr	2.55	0.00	0.04	1.55	1.55	1.55
CS-02 - Pipe	100Yr-072Hr	4.75	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	100Yr-072Hr	4.75	0.00	0.04	1.91	1.91	1.91

Drop Structure Link: CS-03		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 1	Invert:	-4.50 ft	Invert:	-4.70 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	60.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-03 - Pipe	005Yr-001Hr	25.69	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-001Hr	25.69	0.00	0.01	4.89	4.89	4.89
CS-03 - Pipe	005Yr-024Hr	31.35	0.00	-0.02	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-024Hr	31.35	0.00	-0.03	5.97	5.97	5.97
CS-03 - Pipe	010Yr-024Hr	35.91	0.00	0.02	0.00	0.00	0.00
CS-03 - Weir: 1	010Yr-024Hr	35.91	0.00	0.02	6.84	6.84	6.84
CS-03 - Pipe	025Yr-072Hr	36.98	0.00	0.02	0.00	0.00	0.00
CS-03 - Weir: 1	025Yr-072Hr	36.98	0.00	-0.03	7.04	7.04	7.04
CS-03 - Pipe	100Yr-072Hr	39.55	0.00	0.02	0.00	0.00	0.00
CS-03 - Weir: 1	100Yr-072Hr	39.55	0.00	-0.03	7.53	7.53	7.53

Drop Structure Link: CS-04		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-CS-04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (95th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	181.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft		

Control Elevation:	2.00 ft
Max Depth:	0.75 ft
Max Width:	7.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-04 - Pipe	005Yr-001Hr	6.61	0.00	0.00	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-001Hr	6.61	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	005Yr-024Hr	7.23	0.00	0.00	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-024Hr	7.23	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	010Yr-024Hr	8.95	0.00	-0.01	0.00	0.00	0.00
CS-04 - Weir: 1	010Yr-024Hr	8.95	0.00	-0.01	2.00	2.00	2.00
CS-04 - Pipe	025Yr-072Hr	9.33	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	025Yr-072Hr	9.33	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	100Yr-072Hr	9.80	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	100Yr-072Hr	9.80	0.00	-0.04	2.00	2.00	2.00

Drop Structure Link: CS-05		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 1	Invert:	-2.33 ft	Invert:	1.21 ft
From Node:	NZA-CS-05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS0	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	

Bend Loss Coef: 0.00 Manning's N: 0.0000 Manning's N: 0.0000
Bend Location: 0.00 dec
Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.10 ft	Ref Node:	
Control Elevation:	2.10 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-05 - Pipe	005Yr-001Hr	11.16	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-001Hr	11.16	0.00	0.00	2.13	2.13	2.13
CS-05 - Pipe	005Yr-024Hr	15.22	0.00	-0.02	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-024Hr	15.22	0.00	-0.02	2.90	2.90	2.90
CS-05 - Pipe	010Yr-024Hr	15.41	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	010Yr-024Hr	15.41	0.00	-0.02	2.94	2.94	2.94
CS-05 - Pipe	025Yr-072Hr	15.59	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	025Yr-072Hr	15.59	0.00	-0.02	2.97	2.97	2.97
CS-05 - Pipe	100Yr-072Hr	14.95	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	100Yr-072Hr	14.95	0.00	-0.02	2.85	2.85	2.85

Drop Structure Link: CS-06(R3)		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 1	Invert:	-1.88 ft	Invert:	-2.30 ft

From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	153.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	005Yr-001Hr	12.53	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-001Hr	12.53	0.00	0.00	2.64	2.64	2.64
CS-06(R3) - Pipe	005Yr-024Hr	25.68	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-024Hr	25.68	0.00	0.00	4.89	4.89	4.89

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	010Yr-024Hr	35.05	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	010Yr-024Hr	35.06	0.00	-0.01	6.68	6.68	6.68
CS-06(R3) - Pipe	025Yr-072Hr	37.74	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	025Yr-072Hr	37.74	0.00	-0.01	7.19	7.19	7.19
CS-06(R3) - Pipe	100Yr-072Hr	39.34	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	100Yr-072Hr	39.34	0.00	0.00	7.49	7.49	7.49

Drop Structure Link: CS-07		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 1	Invert:	-2.19 ft	Invert:	-2.90 ft
From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	213.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft		

Orifice Default: 0.600
Orifice Table:

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-07 - Pipe	005Yr-001Hr	12.39	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-001Hr	12.39	0.00	0.00	2.61	2.61	2.61
CS-07 - Pipe	005Yr-024Hr	19.94	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-024Hr	19.94	0.00	0.00	3.80	3.80	3.80
CS-07 - Pipe	010Yr-024Hr	24.48	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	010Yr-024Hr	24.48	0.00	0.00	4.66	4.66	4.66
CS-07 - Pipe	025Yr-072Hr	26.36	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	025Yr-072Hr	26.36	0.00	-0.01	5.02	5.02	5.02
CS-07 - Pipe	100Yr-072Hr	27.48	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	100Yr-072Hr	27.48	0.00	0.00	5.23	5.23	5.23

Drop Structure Link: CS-08		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 1	Invert:	-1.58 ft	Invert:	-1.58 ft
From Node:	NZA-I1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (88th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	15.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	2.00 ft
Control Elevation:	2.00 ft
Max Depth:	0.75 ft
Max Width:	7.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-08 - Pipe	005Yr-001Hr	6.68	0.00	-0.01	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-001Hr	6.68	0.00	-0.01	2.14	2.14	2.14
CS-08 - Pipe	005Yr-024Hr	14.43	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-024Hr	14.43	0.00	-0.02	2.76	2.76	2.76
CS-08 - Pipe	010Yr-024Hr	22.18	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	010Yr-024Hr	22.18	0.00	-0.02	4.22	4.22	4.22
CS-08 - Pipe	025Yr-072Hr	29.24	0.00	-0.11	0.00	0.00	0.00
CS-08 - Weir: 1	025Yr-072Hr	29.24	0.00	-0.12	5.57	5.57	5.57
CS-08 - Pipe	100Yr-072Hr	30.87	0.00	-0.12	0.00	0.00	0.00
CS-08 - Weir: 1	100Yr-072Hr	30.87	0.00	-0.13	5.88	5.88	5.88

Rating Curve Link: D-00	
Scenario:	OPTION 1
From Node:	NZA-PS0
To Node:	OUTFALL (92nd)
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0004	1.70		1.60	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D-00	005Yr-001Hr	14.20	0.00	14.20	0.00	0.00	0.00
D-00	005Yr-024Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	010Yr-024Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	025Yr-072Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	100Yr-072Hr	14.20	0.00	13.98	0.00	0.00	0.00

Rating Curve Link: DW 1-3

Scenario: OPTION 1
From Node: NZA-PS1
To Node: AQUIFER (94th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0001	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 1-3	005Yr-001Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	005Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	010Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	025Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	100Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00

Rating Curve Link: DW 4-6

Scenario: OPTION 1
From Node: NZA-PS2
To Node: AQUIFER (89th)

Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0002	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 4-6	005Yr-001Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	005Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	010Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	025Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	100Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00

Rating Curve Link: DW 7-9

Scenario: OPTION 1
From Node: NZA-PS3
To Node: AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0003	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 7-9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S102-S105

Scenario: OPTION 1

From Node: NZA-S-82
To Node: FDOT AQUIFER (94TH)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-102, S-103, S-104, S-105

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S102-S105	005Yr-001Hr	42.88	0.00	41.54	0.00	0.00	0.00
FDOT DW-S102-S105	005Yr-024Hr	42.88	0.00	42.88	0.00	0.00	0.00
FDOT DW-S102-S105	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	100Yr-072Hr	42.88	0.00	42.88	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S96-S99

Scenario: OPTION 1
From Node: NZA-S-106
To Node: FDOT AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-96, S-97, S-98, S-99

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S96-S99	005Yr-001Hr	42.88	0.00	-41.54	0.00	0.00	0.00
FDOT DW-	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S96-S99							
FDOT DW-S96-S99	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	100Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00

Pipe Link: FDOT-S106-S101		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-6.18 ft	Invert:	-9.20 ft
From Node:	NZA-S-106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT-S106-S101	005Yr-001Hr	1.72	-14.45	-5.67	-2.04	-2.04	-2.04
FDOT-S106-S101	005Yr-024Hr	4.14	-14.73	-6.96	-2.08	-2.08	-2.08
FDOT-S106-S101	010Yr-024Hr	5.51	-14.72	-7.07	-2.08	-2.08	-2.08
FDOT-S106-S101	025Yr-072Hr	7.26	-14.77	-6.75	-2.09	-2.09	-2.09
FDOT-S106-S101	100Yr-072Hr	10.38	-14.77	-7.08	-2.09	-2.09	-2.09

Pipe Link: P-A1-A2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.61 ft	Invert:	-1.81 ft
From Node:	NZA-A2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-A2	005Yr-001Hr	4.59	-0.09	-0.10	3.74	3.74	3.74
P-A1-A2	005Yr-024Hr	5.94	-0.10	0.17	4.84	4.84	4.84
P-A1-A2	010Yr-024Hr	6.03	-0.10	0.17	4.92	4.92	4.92
P-A1-A2	025Yr-072Hr	6.05	-0.09	0.17	4.93	4.93	4.93
P-A1-A2	100Yr-072Hr	5.85	-0.09	0.17	4.76	4.76	4.76

Pipe Link: P-A1-B1		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-4.90 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	490.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-B1	005Yr-001Hr	4.14	0.00	0.18	2.34	2.34	2.34
P-A1-B1	005Yr-024Hr	5.53	-0.24	0.38	3.13	3.13	3.13
P-A1-B1	010Yr-024Hr	6.76	-0.23	0.38	3.83	3.83	3.83
P-A1-B1	025Yr-072Hr	6.39	-1.28	0.43	3.62	3.62	3.62
P-A1-B1	100Yr-072Hr	5.86	-1.95	0.37	3.31	3.31	3.31

Pipe Link: P-A1-CS-04		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.81 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-CS-04	005Yr-001Hr	6.62	-0.57	-0.08	3.74	3.74	3.74
P-A1-CS-04	005Yr-024Hr	7.23	-0.75	-0.09	4.09	4.09	4.09
P-A1-CS-04	010Yr-024Hr	8.95	-0.74	-0.09	5.07	5.07	5.07
P-A1-CS-04	025Yr-072Hr	9.33	-0.75	-0.09	5.28	5.28	5.28
P-A1-CS-04	100Yr-072Hr	9.80	-0.74	-0.09	5.55	5.55	5.55

Pipe Link: P-A2-A3		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.54 ft	Invert:	-1.61 ft
From Node:	NZA-A3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A2-A3	005Yr-001Hr	1.79	-0.37	0.09	1.46	1.46	1.46
P-A2-A3	005Yr-024Hr	1.79	-2.43	-0.16	-1.98	-1.98	-1.98
P-A2-A3	010Yr-024Hr	1.82	-2.28	-0.16	-1.86	-1.86	-1.86
P-A2-A3	025Yr-072Hr	1.83	-2.29	-0.16	-1.86	-1.86	-1.86
P-A2-A3	100Yr-072Hr	1.82	-2.22	-0.16	-1.81	-1.81	-1.81

Pipe Link: P-A3-A4		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.08 ft	Invert:	-1.54 ft
From Node:	NZA-A4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	229.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A3-A4	005Yr-001Hr	1.02	-3.75	-0.23	-3.06	-3.06	-3.06
P-A3-A4	005Yr-024Hr	1.02	-5.40	-0.23	-4.40	-4.40	-4.40
P-A3-A4	010Yr-024Hr	1.02	-5.42	-0.23	-4.42	-4.42	-4.42
P-A3-A4	025Yr-072Hr	1.29	-5.41	-0.23	-4.41	-4.41	-4.41
P-A3-A4	100Yr-072Hr	2.36	-5.28	-0.23	-4.30	-4.30	-4.30

Pipe Link: P-A4-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-0.82 ft	Invert:	-1.08 ft
From Node:	FDOT-1B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	229.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A4-FDOT1B	005Yr-001Hr	2.53	-8.95	1.22	-2.85	-2.85	-2.85
P-A4-FDOT1B	005Yr-024Hr	2.53	-12.20	1.22	-3.88	-3.88	-3.88
P-A4-FDOT1B	010Yr-024Hr	2.53	-14.18	1.22	-4.51	-4.51	-4.51
P-A4-FDOT1B	025Yr-072Hr	2.53	-15.10	1.22	-4.80	-4.80	-4.80
P-A4-FDOT1B	100Yr-072Hr	2.53	-16.08	1.22	-5.12	-5.12	-5.12

Pipe Link: P-AA1-AA2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	117.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA1-AA2	005Yr-001Hr	13.58	0.00	0.01	2.94	3.16	3.05
P-AA1-AA2	005Yr-024Hr	15.28	0.00	0.01	3.09	3.33	3.21
P-AA1-AA2	010Yr-024Hr	18.90	0.00	0.01	3.41	3.67	3.54
P-AA1-AA2	025Yr-072Hr	21.24	0.00	0.01	3.60	3.86	3.73
P-AA1-AA2	100Yr-072Hr	22.91	0.00	0.01	3.74	4.02	3.88

Pipe Link: P-AA2-AA3		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	133.29 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA2-AA3	005Yr-001Hr	11.59	0.00	-0.01	2.40	3.30	2.54
P-AA2-AA3	005Yr-024Hr	13.08	0.00	0.01	2.55	3.30	2.61
P-AA2-AA3	010Yr-024Hr	16.42	0.00	0.01	2.85	3.30	2.92
P-AA2-AA3	025Yr-072Hr	18.33	0.00	0.01	3.03	3.30	3.10
P-AA2-AA3	100Yr-072Hr	18.92	0.00	0.02	3.11	3.30	3.19

Pipe Link: P-AA3-AA4		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	0.00 ft	Invert:	0.00 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.03 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA3-AA4	005Yr-001Hr	9.78	0.00	1.64	1.62	1.66	1.64
P-AA3-AA4	005Yr-024Hr	10.97	0.00	1.64	1.62	1.66	1.64
P-AA3-AA4	010Yr-024Hr	14.00	0.00	1.64	1.98	1.98	1.98
P-AA3-AA4	025Yr-072Hr	15.30	0.00	1.64	2.16	2.16	2.16
P-AA3-AA4	100Yr-072Hr	16.09	0.00	1.64	2.28	2.28	2.28

Pipe Link: P-AA4-AA5		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	126.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA4-AA5	005Yr-001Hr	0.03	-18.49	0.07	-3.92	-5.84	-4.88
P-AA4-AA5	005Yr-024Hr	0.01	-18.49	0.07	-3.92	-5.84	-4.88
P-AA4-AA5	010Yr-024Hr	0.01	-18.49	0.07	-3.92	-5.84	-4.88
P-AA4-AA5	025Yr-072Hr	0.01	-18.49	0.07	-3.92	-5.84	-4.88
P-AA4-AA5	100Yr-072Hr	0.01	-18.49	0.07	-3.92	-5.84	-4.88

Pipe Link: P-AA7-A4		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA7-A4	005Yr-001Hr	0.00	-2.82	0.00	-2.30	-2.30	-2.30
P-AA7-A4	005Yr-024Hr	2.45	-2.87	-0.01	-2.34	-2.34	-2.34
P-AA7-A4	010Yr-024Hr	3.08	-3.02	-0.01	2.51	2.51	2.51
P-AA7-A4	025Yr-072Hr	3.42	-3.11	-0.01	2.79	2.79	2.79
P-AA7-A4	100Yr-072Hr	3.33	-3.08	-0.01	2.72	2.72	2.72

Pipe Link: P-B1-B2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-4.86 ft	Invert:	-4.90 ft
From Node:	NZA-B2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-B2	005Yr-001Hr	13.57	-3.19	1.83	2.77	2.77	2.77
P-B1-B2	005Yr-024Hr	16.97	-3.95	2.09	3.46	3.46	3.46
P-B1-B2	010Yr-024Hr	22.36	-4.07	2.11	4.55	4.55	4.55
P-B1-B2	025Yr-072Hr	22.86	-4.18	2.10	4.66	4.66	4.66
P-B1-B2	100Yr-072Hr	22.89	-4.07	2.15	4.66	4.66	4.66

Pipe Link: P-B1-CS-01		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.75 ft	Invert:	-2.83 ft
From Node:	NZA-B1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-CS-01	005Yr-001Hr	31.75	-0.77	2.13	6.47	6.47	6.47
P-B1-CS-01	005Yr-024Hr	35.60	-0.77	4.27	7.25	7.25	7.25
P-B1-CS-01	010Yr-024Hr	39.88	-0.77	2.38	8.12	8.12	8.12
P-B1-CS-01	025Yr-072Hr	42.90	-0.77	4.40	8.74	8.74	8.74
P-B1-CS-01	100Yr-072Hr	46.03	-0.77	2.35	9.38	9.38	9.38

Pipe Link: P-B2-B3		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-4.54 ft	Invert:	-4.86 ft
From Node:	NZA-B3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B2-B3	005Yr-001Hr	4.24	-3.89	-0.80	1.35	1.35	1.35
P-B2-B3	005Yr-024Hr	6.02	-4.25	0.98	1.92	1.92	1.92
P-B2-B3	010Yr-024Hr	12.05	-4.25	0.89	3.84	3.84	3.84
P-B2-B3	025Yr-072Hr	7.51	-4.19	0.96	2.39	2.39	2.39
P-B2-B3	100Yr-072Hr	7.34	-6.49	0.96	2.34	2.34	2.34

Pipe Link: P-B3-B4		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-3.77 ft	Invert:	-4.54 ft
From Node:	NZA-B4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B3-B4	005Yr-001Hr	2.75	-4.11	0.77	-1.31	-1.31	-1.31
P-B3-B4	005Yr-024Hr	3.23	-4.50	0.90	-1.43	-1.43	-1.43
P-B3-B4	010Yr-024Hr	6.33	-4.49	-0.90	2.01	2.01	2.01
P-B3-B4	025Yr-072Hr	7.56	-4.47	-0.86	2.41	2.41	2.41
P-B3-B4	100Yr-072Hr	11.33	-8.71	-0.89	3.61	3.61	3.61

Pipe Link: P-B4-C2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	0.58 ft	Invert:	-0.46 ft
From Node:	NZA-C2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	628.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B4-C2	005Yr-001Hr	1.73	-0.05	0.05	3.18	3.18	3.18
P-B4-C2	005Yr-024Hr	1.85	-0.05	0.05	3.39	3.39	3.39
P-B4-C2	010Yr-024Hr	1.84	-0.05	0.05	3.38	3.38	3.38
P-B4-C2	025Yr-072Hr	1.84	-0.05	0.05	3.38	3.38	3.38
P-B4-C2	100Yr-072Hr	1.84	-0.05	0.05	3.38	3.38	3.38

Pipe Link: P-C1-B1		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.88 ft	Invert:	-2.60 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	674.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-B1	005Yr-001Hr	5.25	-0.36	0.12	2.97	2.97	2.97
P-C1-B1	005Yr-024Hr	6.93	-0.36	0.20	3.92	3.92	3.92
P-C1-B1	010Yr-024Hr	7.84	-0.36	0.20	4.44	4.44	4.44
P-C1-B1	025Yr-072Hr	8.13	-0.36	0.23	4.60	4.60	4.60
P-C1-B1	100Yr-072Hr	8.23	-0.36	0.23	4.66	4.66	4.66

Pipe Link: P-C1-D2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.60 ft	Invert:	-2.05 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	715.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-D2	005Yr-001Hr	1.79	-2.01	-0.08	-1.14	-1.14	-1.14
P-C1-D2	005Yr-024Hr	2.43	-4.66	0.15	-2.64	-2.64	-2.64
P-C1-D2	010Yr-024Hr	2.66	-4.81	0.15	-2.72	-2.72	-2.72
P-C1-D2	025Yr-072Hr	2.00	-5.01	0.15	-2.84	-2.84	-2.84
P-C1-D2	100Yr-072Hr	0.34	-4.96	0.15	-2.81	-2.81	-2.81

Pipe Link: P-CS-TOWN-AA1		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-TOWN	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-TOWN-AA1	005Yr-001Hr	15.71	0.00	0.01	3.66	4.16	3.91
P-CS-TOWN-AA1	005Yr-024Hr	17.71	0.00	0.01	3.84	4.36	4.10
P-CS-TOWN-AA1	010Yr-024Hr	21.70	0.00	0.01	4.19	4.72	4.45
P-CS-TOWN-AA1	025Yr-072Hr	24.39	0.00	0.01	4.41	4.95	4.68
P-CS-TOWN-AA1	100Yr-072Hr	30.31	0.00	0.01	4.88	5.44	5.16

Pipe Link: P-CS3-S3		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS3-S3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-D1-CS-05		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.50 ft	Invert:	-2.70 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-05	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-CS-05	005Yr-001Hr	11.17	-0.05	0.07	3.55	3.55	3.55
P-D1-CS-05	005Yr-024Hr	15.27	-0.10	0.34	4.86	4.86	4.86
P-D1-CS-05	010Yr-024Hr	15.48	-0.09	-0.31	4.93	4.93	4.93
P-D1-CS-05	025Yr-072Hr	15.68	-0.13	-0.38	4.99	4.99	4.99
P-D1-CS-05	100Yr-072Hr	14.97	-0.11	0.33	4.77	4.77	4.77

Pipe Link: P-D1-D2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.05 ft	Invert:	-2.35 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-D2	005Yr-001Hr	9.91	-0.17	-0.10	4.12	4.12	4.12
P-D1-D2	005Yr-024Hr	12.41	-0.17	-0.13	5.16	5.16	5.16
P-D1-D2	010Yr-024Hr	12.32	-0.17	-0.13	5.12	5.12	5.12
P-D1-D2	025Yr-072Hr	12.28	-0.21	-0.13	5.10	5.10	5.10
P-D1-D2	100Yr-072Hr	12.41	-0.17	-0.13	5.16	5.16	5.16

Pipe Link: P-D1-E1		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.35 ft	Invert:	-2.90 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	694.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-E1	005Yr-001Hr	2.47	-0.12	-0.03	1.40	1.40	1.40
P-D1-E1	005Yr-024Hr	5.35	-0.12	-0.07	3.03	3.03	3.03
P-D1-E1	010Yr-024Hr	5.36	-0.12	-0.07	3.03	3.03	3.03
P-D1-E1	025Yr-072Hr	5.39	-0.12	-0.07	3.05	3.05	3.05
P-D1-E1	100Yr-072Hr	5.41	-0.12	-0.07	3.06	3.06	3.06

Pipe Link: P-D2-D3		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.70 ft	Invert:	-2.05 ft
From Node:	NZA-D3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-D3	005Yr-001Hr	4.43	-0.08	-0.08	2.51	2.51	2.51
P-D2-D3	005Yr-024Hr	8.11	-0.08	-0.10	4.59	4.59	4.59
P-D2-D3	010Yr-024Hr	8.11	-0.08	-0.07	4.59	4.59	4.59
P-D2-D3	025Yr-072Hr	8.04	-0.08	-0.14	4.55	4.55	4.55
P-D2-D3	100Yr-072Hr	8.06	-0.08	-0.07	4.56	4.56	4.56

Pipe Link: P-D2-E3		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.70 ft	Invert:	-2.10 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.83 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-E3	005Yr-001Hr	0.21	-4.56	-0.12	-1.90	-1.90	-1.90
P-D2-E3	005Yr-024Hr	1.54	-5.40	-0.13	-2.24	-2.24	-2.24
P-D2-E3	010Yr-024Hr	2.06	-5.96	-0.13	-2.48	-2.48	-2.48
P-D2-E3	025Yr-072Hr	2.41	-5.52	-0.13	-2.30	-2.30	-2.30
P-D2-E3	100Yr-072Hr	2.18	-2.15	-0.13	0.91	0.91	0.91

Pipe Link: P-D3-D4		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.33 ft	Invert:	-2.70 ft
From Node:	NZA-D4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D3-D4	005Yr-001Hr	2.40	-0.06	-0.01	3.06	3.06	3.06
P-D3-D4	005Yr-024Hr	3.29	-0.06	0.01	4.19	4.19	4.19
P-D3-D4	010Yr-024Hr	3.28	-0.06	0.01	4.17	4.17	4.17
P-D3-D4	025Yr-072Hr	3.14	-0.06	0.01	4.00	4.00	4.00
P-D3-D4	100Yr-072Hr	2.81	-0.06	0.01	3.57	3.57	3.57

Pipe Link: P-D4-D5		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.43 ft	Invert:	-2.33 ft
From Node:	NZA-D5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D4-D5	005Yr-001Hr	1.39	-0.04	0.00	1.77	1.77	1.77
P-D4-D5	005Yr-024Hr	1.49	-0.04	0.01	1.90	1.90	1.90
P-D4-D5	010Yr-024Hr	1.48	-0.04	0.01	1.89	1.89	1.89
P-D4-D5	025Yr-072Hr	1.70	-0.04	-0.01	2.16	2.16	2.16
P-D4-D5	100Yr-072Hr	1.89	-0.04	0.00	2.40	2.40	2.40

Pipe Link: P-D5-D6		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.42 ft	Invert:	-2.43 ft
From Node:	NZA-D6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	301.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D5-D6	005Yr-001Hr	0.67	-0.41	0.02	0.85	0.85	0.85
P-D5-D6	005Yr-024Hr	1.25	-0.33	-0.01	1.60	1.60	1.60
P-D5-D6	010Yr-024Hr	1.25	-0.03	0.00	1.59	1.59	1.59
P-D5-D6	025Yr-072Hr	1.25	-0.03	-0.01	1.59	1.59	1.59
P-D5-D6	100Yr-072Hr	1.26	-0.03	-0.01	1.60	1.60	1.60

Pipe Link: P-D6-D7		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.42 ft	Invert:	-2.42 ft
From Node:	NZA-D7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D6-D7	005Yr-001Hr	0.04	-1.58	-0.02	-2.02	-2.02	-2.02
P-D6-D7	005Yr-024Hr	0.32	-0.93	0.01	-1.18	-1.18	-1.18
P-D6-D7	010Yr-024Hr	0.31	-0.95	0.01	-1.21	-1.21	-1.21
P-D6-D7	025Yr-072Hr	0.34	-0.01	0.01	0.43	0.43	0.43
P-D6-D7	100Yr-072Hr	0.42	-0.04	0.01	0.53	0.53	0.53

Pipe Link: P-DS1-OUTFALL (94TH)		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.20 ft	Invert:	-3.12 ft
From Node:	NZA-DS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (94th)	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS1-OUTFALL (94TH)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	010Yr-024Hr	0.30	0.00	0.04	0.06	0.06	0.06
P-DS1-OUTFALL (94TH)	025Yr-072Hr	3.44	0.00	0.39	0.70	0.70	0.70
P-DS1-OUTFALL (94TH)	100Yr-072Hr	6.56	0.00	0.36	1.34	1.34	1.34

Pipe Link: P-DS2-OUTFALL	Upstream	Downstream

Scenario:	OPTION 1	Invert:	-1.20 ft	Invert:	-2.47 ft
From Node:	NZA-DS2	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (89th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	025Yr-072Hr	2.73	0.00	-0.23	0.87	0.87	0.87
P-DS2-OUTFALL	100Yr-072Hr	4.84	0.00	0.30	1.54	1.54	1.54

Pipe Link: P-DS3-OUTFALL(CARLYLE)		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-4.70 ft	Invert:	-4.00 ft
From Node:	NZA-DS3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	11.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	

Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS3-OUTFALL(CARLYLE)	005Yr-001Hr	25.71	0.00	-10.30	3.64	3.64	3.64
P-DS3-OUTFALL(CARLYLE)	005Yr-024Hr	31.38	0.00	10.56	4.44	4.44	4.44
P-DS3-OUTFALL(CARLYLE)	010Yr-024Hr	35.93	0.00	10.56	5.08	5.08	5.08
P-DS3-OUTFALL(CARLYLE)	025Yr-072Hr	37.00	0.00	10.52	5.23	5.23	5.23
P-DS3-OUTFALL(CARLYLE)	100Yr-072Hr	39.57	0.00	10.56	5.60	5.60	5.60

Pipe Link: P-E1-E2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.57 ft	Invert:	-2.18 ft
From Node:	NZA-E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	230.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	005Yr-001Hr	15.29	-0.05	0.07	4.87	4.87	4.87
P-E1-E2	005Yr-024Hr	19.75	-0.05	0.17	6.29	6.29	6.29
P-E1-E2	010Yr-024Hr	19.58	-0.05	0.23	6.23	6.23	6.23

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	025Yr-072Hr	19.67	-0.05	0.16	6.26	6.26	6.26
P-E1-E2	100Yr-072Hr	19.76	-0.05	-0.14	6.29	6.29	6.29

Pipe Link: P-E1-F1		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.90 ft	Invert:	-2.71 ft
From Node:	NZA-F1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	692.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-F1	005Yr-001Hr	2.43	-1.26	0.03	1.38	1.38	1.38
P-E1-F1	005Yr-024Hr	3.41	-1.79	0.10	1.93	1.93	1.93
P-E1-F1	010Yr-024Hr	3.30	-1.77	0.10	1.87	1.87	1.87
P-E1-F1	025Yr-072Hr	2.67	-1.75	0.10	1.51	1.51	1.51
P-E1-F1	100Yr-072Hr	1.91	-2.43	0.10	-1.38	-1.38	-1.38

Pipe Link: P-E2-E3		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-0.45 ft	Invert:	-1.57 ft
From Node:	NZA-E3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E2-E3	005Yr-001Hr	8.80	-0.07	-0.12	2.80	2.80	2.80
P-E2-E3	005Yr-024Hr	13.58	-0.07	-0.20	4.32	4.32	4.32
P-E2-E3	010Yr-024Hr	13.64	-0.07	-0.21	4.34	4.34	4.34
P-E2-E3	025Yr-072Hr	13.72	-0.07	-0.17	4.37	4.37	4.37
P-E2-E3	100Yr-072Hr	13.63	-0.07	0.18	4.34	4.34	4.34

Pipe Link: P-E3-E4		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.57 ft	Invert:	-0.45 ft
From Node:	NZA-E4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	283.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	005Yr-001Hr	7.33	-0.14	0.21	2.33	4.15	3.24
P-E3-E4	005Yr-024Hr	10.49	-0.14	0.26	3.34	5.93	4.64
P-E3-E4	010Yr-024Hr	10.55	-0.14	0.27	3.36	5.97	4.67

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	025Yr-072Hr	10.40	-0.14	0.27	3.31	5.88	4.60
P-E3-E4	100Yr-072Hr	10.39	-0.14	0.27	3.31	5.88	4.59

Pipe Link: P-E4-E5		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.57 ft	Invert:	-1.57 ft
From Node:	NZA-E5	Manning's N:	0.0012	Manning's N:	0.0012
To Node:	NZA-E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	277.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E4-E5	005Yr-001Hr	9.99	-0.14	9.64	3.18	3.18	3.18
P-E4-E5	005Yr-024Hr	18.62	-0.14	-14.62	5.93	5.93	5.93
P-E4-E5	010Yr-024Hr	20.20	-0.31	-13.29	6.43	6.43	6.43
P-E4-E5	025Yr-072Hr	19.75	-0.46	13.03	6.29	6.29	6.29
P-E4-E5	100Yr-072Hr	22.40	-0.32	-13.36	7.13	7.13	7.13

Pipe Link: P-E5-E6		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.79 ft	Invert:	-1.57 ft
From Node:	NZA-E6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.25 ft	Max Depth:	2.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E5-E6	005Yr-001Hr	3.79	-3.37	0.79	0.95	0.95	0.95
P-E5-E6	005Yr-024Hr	8.54	-3.05	0.75	2.15	2.15	2.15
P-E5-E6	010Yr-024Hr	8.52	-2.68	0.78	2.14	2.14	2.14
P-E5-E6	025Yr-072Hr	8.17	-0.09	0.78	2.05	2.05	2.05
P-E5-E6	100Yr-072Hr	8.10	-0.09	0.73	2.04	2.04	2.04

Pipe Link: P-E6-E7		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.89 ft	Invert:	-1.79 ft
From Node:	NZA-E7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	005Yr-001Hr	2.31	-1.99	0.05	1.30	1.30	1.30
P-E6-E7	005Yr-024Hr	5.58	-1.58	-0.09	3.16	3.16	3.16
P-E6-E7	010Yr-024Hr	5.51	-1.06	-0.11	3.12	3.12	3.12

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	025Yr-072Hr	5.35	-0.03	0.06	3.03	3.03	3.03
P-E6-E7	100Yr-072Hr	5.19	-0.03	0.06	2.93	2.93	2.93

Pipe Link: P-E7-E8		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-0.69 ft	Invert:	-1.89 ft
From Node:	NZA-E8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E7-E8	005Yr-001Hr	1.11	-0.81	0.00	1.42	1.42	1.42
P-E7-E8	005Yr-024Hr	2.76	-0.67	-0.01	3.51	3.51	3.51
P-E7-E8	010Yr-024Hr	2.74	-0.37	0.02	3.49	3.49	3.49
P-E7-E8	025Yr-072Hr	2.67	-0.02	-0.02	3.40	3.40	3.40
P-E7-E8	100Yr-072Hr	2.56	-0.02	-0.02	3.25	3.25	3.25

Pipe Link: P-F1-F2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.66 ft	Invert:	-1.36 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-F2	005Yr-001Hr	2.45	-0.08	-0.01	3.13	3.13	3.13
P-F1-F2	005Yr-024Hr	2.43	-0.24	-0.02	3.09	3.09	3.09
P-F1-F2	010Yr-024Hr	2.43	-0.24	-0.02	3.10	3.10	3.10
P-F1-F2	025Yr-072Hr	2.44	-0.59	-0.02	3.10	3.10	3.10
P-F1-F2	100Yr-072Hr	2.36	-0.75	-0.02	3.00	3.00	3.00

Pipe Link: P-F1-G1		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.71 ft	Invert:	-2.80 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	119.25 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	005Yr-001Hr	1.18	-2.14	-0.07	-1.21	-1.21	-1.21
P-F1-G1	005Yr-024Hr	1.71	-3.84	0.13	-2.17	-2.17	-2.17
P-F1-G1	010Yr-024Hr	3.12	-4.70	0.13	-2.66	-2.66	-2.66

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	025Yr-072Hr	3.76	-5.00	0.13	-2.83	-2.83	-2.83
P-F1-G1	100Yr-072Hr	3.84	-5.31	0.13	-3.01	-3.01	-3.01

Pipe Link: P-F2-F3		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	0.36 ft	Invert:	-1.66 ft
From Node:	NZA-F3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-F3	005Yr-001Hr	1.79	-0.01	0.00	2.29	2.29	2.29
P-F2-F3	005Yr-024Hr	2.52	-0.09	0.03	3.21	3.21	3.21
P-F2-F3	010Yr-024Hr	2.48	-0.09	-0.03	3.16	3.16	3.16
P-F2-F3	025Yr-072Hr	2.40	-0.09	0.03	3.06	3.06	3.06
P-F2-F3	100Yr-072Hr	2.29	-0.09	0.03	2.92	2.92	2.92

Pipe Link: P-F2-G2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.65 ft	Invert:	-1.65 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	495.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-G2	005Yr-001Hr	1.83	-0.01	-0.02	2.32	2.32	2.32
P-F2-G2	005Yr-024Hr	2.18	-0.01	0.06	2.78	2.78	2.78
P-F2-G2	010Yr-024Hr	2.17	-0.01	0.06	2.76	2.76	2.76
P-F2-G2	025Yr-072Hr	2.17	-0.01	0.07	2.76	2.76	2.76
P-F2-G2	100Yr-072Hr	2.17	-0.01	0.07	2.77	2.77	2.77

Pipe Link: P-F4-F5		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	0.51 ft	Invert:	1.47 ft
From Node:	NZA-F5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	005Yr-001Hr	0.58	-0.01	0.00	1.06	1.06	1.06
P-F4-F5	005Yr-024Hr	0.59	-0.01	0.00	1.09	1.09	1.09
P-F4-F5	010Yr-024Hr	0.62	-0.01	0.00	1.13	1.13	1.13

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	025Yr-072Hr	0.63	-0.01	-0.01	1.16	1.16	1.16
P-F4-F5	100Yr-072Hr	0.61	-0.01	0.00	1.12	1.12	1.12

Pipe Link: P-F4-G4		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.47 ft	Invert:	1.47 ft
From Node:	NZA-F4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	510.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-G4	005Yr-001Hr	1.01	-0.48	0.00	1.86	1.90	1.88
P-F4-G4	005Yr-024Hr	1.67	-0.45	0.00	3.06	3.19	3.11
P-F4-G4	010Yr-024Hr	1.67	-0.48	0.00	3.06	3.16	3.10
P-F4-G4	025Yr-072Hr	1.64	-0.13	0.00	3.01	3.11	3.04
P-F4-G4	100Yr-072Hr	1.64	-0.01	0.00	3.02	3.05	3.03

Pipe Link: P-F5-F6		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-F6	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-F5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F5-F6	005Yr-001Hr	0.58	-1.58	-0.02	-0.89	-0.89	-0.89
P-F5-F6	005Yr-024Hr	1.39	-1.48	-0.02	-0.84	-0.84	-0.84
P-F5-F6	010Yr-024Hr	1.93	-1.44	0.01	1.09	1.09	1.09
P-F5-F6	025Yr-072Hr	0.81	-1.43	0.02	-0.81	-0.81	-0.81
P-F5-F6	100Yr-072Hr	1.75	-1.43	-0.02	0.99	0.99	0.99

Pipe Link: P-F6-F7		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	0.25 ft	Invert:	-2.00 ft
From Node:	NZA-F7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	271.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	005Yr-001Hr	1.40	-0.91	0.00	1.79	1.79	1.79
P-F6-F7	005Yr-024Hr	1.13	-2.12	0.00	-2.70	-2.70	-2.70
P-F6-F7	010Yr-024Hr	0.91	-2.04	0.01	-2.60	-2.60	-2.60

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	025Yr-072Hr	0.47	-1.99	0.01	-2.53	-2.53	-2.53
P-F6-F7	100Yr-072Hr	0.29	-1.60	-0.01	-2.03	-2.03	-2.03

Pipe Link: P-F7-F8		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.17 ft	Invert:	0.25 ft
From Node:	NZA-F8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	303.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F7-F8	005Yr-001Hr	0.00	-1.73	0.00	-2.21	-2.21	-2.21
P-F7-F8	005Yr-024Hr	0.02	-2.99	0.01	-3.81	-3.81	-3.81
P-F7-F8	010Yr-024Hr	0.14	-2.97	0.00	-3.79	-3.79	-3.79
P-F7-F8	025Yr-072Hr	0.01	-2.92	-0.01	-3.72	-3.72	-3.72
P-F7-F8	100Yr-072Hr	0.00	-2.95	0.01	-3.75	-3.75	-3.75

Pipe Link: P-F8-F9		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.83 ft	Invert:	-2.17 ft
From Node:	NZA-F9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	321.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-F9	005Yr-001Hr	1.70	0.00	0.00	2.16	2.16	2.16
P-F8-F9	005Yr-024Hr	2.52	0.00	0.00	3.20	3.20	3.20
P-F8-F9	010Yr-024Hr	2.54	0.00	0.00	3.24	3.24	3.24
P-F8-F9	025Yr-072Hr	2.51	-0.15	0.01	3.19	3.19	3.19
P-F8-F9	100Yr-072Hr	2.35	-0.15	-0.01	2.99	2.99	2.99

Pipe Link: P-F8-G8		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	0.88 ft	Invert:	0.61 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	525.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	005Yr-001Hr	0.04	-3.02	0.00	-0.43	-0.43	-0.43
P-F8-G8	005Yr-024Hr	0.00	-4.85	-0.01	-0.69	-0.69	-0.69
P-F8-G8	010Yr-024Hr	0.00	-6.38	0.01	-0.90	-0.90	-0.90

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	025Yr-072Hr	0.00	-6.65	0.01	-0.94	-0.94	-0.94
P-F8-G8	100Yr-072Hr	0.00	-7.05	-0.01	-1.00	-1.00	-1.00

Pipe Link: P-FDOT-1A-2A		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-4.86 ft	Invert:	-3.43 ft
From Node:	FDOT-1A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-2A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.42 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-1A-2A	005Yr-001Hr	3.37	-2.85	-0.76	1.07	1.07	1.07
P-FDOT-1A-2A	005Yr-024Hr	2.91	-3.23	-0.76	-1.03	-1.03	-1.03
P-FDOT-1A-2A	010Yr-024Hr	2.90	-3.35	-0.76	-1.07	-1.07	-1.07
P-FDOT-1A-2A	025Yr-072Hr	3.86	-2.85	-0.76	1.23	1.23	1.23
P-FDOT-1A-2A	100Yr-072Hr	5.29	-3.06	-0.76	1.68	1.68	1.68

Pipe Link: P-FDOT-2A-3A		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-3.43 ft	Invert:	-2.16 ft
From Node:	FDOT-2A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3A	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	235.86 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2A-3A	005Yr-001Hr	3.44	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	005Yr-024Hr	8.41	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	010Yr-024Hr	9.83	-9.60	-4.15	1.39	1.39	1.39
P-FDOT-2A-3A	025Yr-072Hr	10.54	-9.60	-4.15	1.49	1.49	1.49
P-FDOT-2A-3A	100Yr-072Hr	15.15	-9.60	-4.15	2.14	2.14	2.14

Pipe Link: P-FDOT-2B-3B		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.97 ft	Invert:	-4.38 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	657.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-3 B	005Yr-001Hr	4.44	-7.11	1.45	-0.74	-0.74	-0.74
P-FDOT-2B-3 B	005Yr-024Hr	4.44	-8.53	1.45	-0.89	-0.89	-0.89
P-FDOT-2B-3 B	010Yr-024Hr	4.44	-11.73	1.45	-1.22	-1.22	-1.22
P-FDOT-2B-3 B	025Yr-072Hr	4.44	-13.43	1.45	-1.40	-1.40	-1.40
P-FDOT-2B-3 B	100Yr-072Hr	4.44	-15.96	1.45	-1.66	-1.66	-1.66

Pipe Link: P-FDOT-2B-B4		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.97 ft	Invert:	-3.77 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.04 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-B 4	005Yr-001Hr	1.78	-11.06	-0.74	-3.52	-3.52	-3.52
P-FDOT-2B-B 4	005Yr-024Hr	2.88	-14.75	-0.83	-4.69	-4.69	-4.69
P-FDOT-2B-B 4	010Yr-024Hr	2.83	-19.32	-0.83	-6.15	-6.15	-6.15
P-FDOT-2B-B 4	025Yr-072Hr	2.89	-19.68	-0.80	-6.26	-6.26	-6.26
P-FDOT-2B-B	100Yr-072Hr	2.87	-19.56	-0.83	-6.23	-6.23	-6.23

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
4							

Pipe Link: P-FDOT-3A-4A		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.16 ft	Invert:	-7.00 ft
From Node:	FDOT-3A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-4A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	264.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3A-4A	005Yr-001Hr	7.00	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	005Yr-024Hr	11.23	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	010Yr-024Hr	14.92	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	025Yr-072Hr	16.05	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	100Yr-072Hr	22.53	-28.26	4.31	-2.94	-2.94	-2.94

Pipe Link: P-FDOT-3B-4B		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-4.38 ft	Invert:	-5.00 ft
From Node:	FDOT-5B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.53 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3B-4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-FDOT-4B-5B		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-5.00 ft	Invert:	-4.16 ft
From Node:	FDOT-4B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.31 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-4B-5 B	005Yr-001Hr	0.31	-3.31	-0.06	-0.67	-0.67	-0.67
P-FDOT-4B-5 B	005Yr-024Hr	3.89	-2.97	0.06	0.79	0.79	0.79
P-FDOT-4B-5 B	010Yr-024Hr	4.91	-1.17	0.06	1.00	1.00	1.00
P-FDOT-4B-5 B	025Yr-072Hr	5.07	-0.14	-0.05	1.03	1.03	1.03
P-FDOT-4B-5 B	100Yr-072Hr	5.90	-0.19	-0.06	1.20	1.20	1.20

Pipe Link: P-FDOT-AA5-1B		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-1B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	626.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-AA5-1B	005Yr-001Hr	6.72	-5.75	-0.02	2.18	4.77	3.47
P-FDOT-AA5-1B	005Yr-024Hr	6.72	-6.46	-0.02	2.18	4.77	3.47
P-FDOT-AA5-1B	010Yr-024Hr	6.72	-8.61	-0.02	-2.74	4.77	3.47
P-FDOT-AA5-1B	025Yr-072Hr	6.72	-9.75	-0.02	-3.10	4.77	3.47
P-FDOT-AA5-	100Yr-072Hr	6.72	-11.31	-0.02	-3.60	4.77	-3.60

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1B							

Pipe Link: P-FDOT1B-2B		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.60 ft	Invert:	0.66 ft
From Node:	FDOT-1B	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	FDOT-2B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	652.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT1B-2B	005Yr-001Hr	12.02	0.00	0.00	3.83	3.97	3.87
P-FDOT1B-2B	005Yr-024Hr	12.54	-0.08	0.01	3.99	4.39	4.08
P-FDOT1B-2B	010Yr-024Hr	13.52	-0.07	-0.01	4.30	4.59	4.33
P-FDOT1B-2B	025Yr-072Hr	13.40	-0.10	0.02	4.27	4.59	4.28
P-FDOT1B-2B	100Yr-072Hr	13.02	-0.10	0.02	4.14	4.45	4.24

Pipe Link: P-FDOT2B - S-82		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-3.45 ft	Invert:	0.00 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	378.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT2B - S-82	005Yr-001Hr	36.32	-29.11	1.51	-6.21	6.64	4.76
P-FDOT2B - S-82	005Yr-024Hr	42.44	-29.11	1.51	-6.21	6.99	5.18
P-FDOT2B - S-82	010Yr-024Hr	51.10	-29.11	1.51	-6.21	7.26	5.52
P-FDOT2B - S-82	025Yr-072Hr	52.21	-29.11	1.51	-6.21	7.24	5.50
P-FDOT2B - S-82	100Yr-072Hr	53.78	-29.11	1.51	-6.21	7.25	5.51

Pipe Link: P-FDOT4A-S106		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	3.81 ft	Invert:	-6.18 ft
From Node:	FDOT-4A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	823.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT4A-S106	005Yr-001Hr	4.42	0.00	0.00	3.85	0.63	2.24
P-FDOT4A-S106	005Yr-024Hr	9.67	0.00	0.00	4.80	1.37	3.08
P-FDOT4A-S106	010Yr-024Hr	15.76	0.00	0.00	5.55	2.23	3.89
P-FDOT4A-S106	025Yr-072Hr	20.75	0.00	0.00	6.06	2.94	4.50
P-FDOT4A-S106	100Yr-072Hr	29.68	0.00	0.00	6.86	4.20	5.53

Pipe Link: P-G1-G2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.80 ft	Invert:	-3.19 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G1-G2	005Yr-001Hr	3.09	-0.08	-0.09	1.75	1.75	1.75
P-G1-G2	005Yr-024Hr	4.81	-0.08	0.19	2.72	2.72	2.72
P-G1-G2	010Yr-024Hr	6.29	-0.08	0.19	3.56	3.56	3.56
P-G1-G2	025Yr-072Hr	6.70	-0.57	0.21	3.79	3.79	3.79
P-G1-G2	100Yr-072Hr	6.89	-1.62	0.21	3.90	3.90	3.90

Pipe Link: P-G2-CS-02	Upstream	Downstream

Scenario:	OPTION 1	Invert:	-2.22 ft	Invert:	-2.30 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-CS-02	005Yr-001Hr	23.59	-0.03	1.36	7.51	7.51	7.51
P-G2-CS-02	005Yr-024Hr	26.72	-0.07	1.61	8.51	8.51	8.51
P-G2-CS-02	010Yr-024Hr	33.02	-0.07	1.71	10.51	10.51	10.51
P-G2-CS-02	025Yr-072Hr	35.55	-0.07	1.91	11.32	11.32	11.32
P-G2-CS-02	100Yr-072Hr	37.74	-0.07	1.75	12.01	12.01	12.01

Pipe Link: P-G2-G3		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-3.38 ft	Invert:	-2.22 ft
From Node:	NZA-G3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-G3	005Yr-001Hr	14.50	-0.84	0.60	4.61	4.61	4.61
P-G2-G3	005Yr-024Hr	15.34	-0.16	0.87	4.88	4.88	4.88
P-G2-G3	010Yr-024Hr	15.26	-0.16	0.84	4.86	4.86	4.86
P-G2-G3	025Yr-072Hr	15.84	-0.16	0.50	5.04	5.04	5.04
P-G2-G3	100Yr-072Hr	15.62	-0.16	0.51	4.97	4.97	4.97

Pipe Link: P-G2-I1		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-3.19 ft	Invert:	-2.93 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	563.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-I1	005Yr-001Hr	2.77	-1.60	-0.20	1.57	1.57	1.57
P-G2-I1	005Yr-024Hr	3.18	-1.59	-0.37	1.80	1.80	1.80
P-G2-I1	010Yr-024Hr	5.35	-1.59	-0.38	3.03	3.03	3.03
P-G2-I1	025Yr-072Hr	6.21	-1.60	-0.34	3.51	3.51	3.51
P-G2-I1	100Yr-072Hr	6.23	-1.60	-0.38	3.53	3.53	3.53

Pipe Link: P-G3-G4		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.48 ft	Invert:	-3.38 ft
From Node:	NZA-G4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G3	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	270.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G3-G4	005Yr-001Hr	8.56	-1.00	0.13	3.17	2.73	2.73
P-G3-G4	005Yr-024Hr	10.20	-0.08	0.09	3.56	3.25	3.26
P-G3-G4	010Yr-024Hr	11.22	-0.11	0.09	3.57	3.57	3.57
P-G3-G4	025Yr-072Hr	10.32	-0.06	0.07	3.53	3.29	3.29
P-G3-G4	100Yr-072Hr	10.39	-0.06	0.08	3.52	3.31	3.31

Pipe Link: P-G4-G5		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	0.28 ft	Invert:	1.48 ft
From Node:	NZA-G5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G4-G5	005Yr-001Hr	4.50	-0.30	0.02	2.54	2.54	2.54
P-G4-G5	005Yr-024Hr	7.86	-0.04	-0.01	4.45	4.45	4.45
P-G4-G5	010Yr-024Hr	7.96	-0.05	-0.01	4.50	4.50	4.50
P-G4-G5	025Yr-072Hr	7.93	-0.03	0.02	4.49	4.49	4.49
P-G4-G5	100Yr-072Hr	7.84	-0.03	-0.01	4.44	4.44	4.44

Pipe Link: P-G5-G6		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	0.19 ft	Invert:	0.28 ft
From Node:	NZA-G6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G5-G6	005Yr-001Hr	1.07	-0.42	0.00	1.36	1.36	1.36
P-G5-G6	005Yr-024Hr	2.85	-0.05	0.01	3.63	3.63	3.63
P-G5-G6	010Yr-024Hr	2.85	-0.05	0.01	3.63	3.63	3.63
P-G5-G6	025Yr-072Hr	2.87	-0.03	0.01	3.66	3.66	3.66
P-G5-G6	100Yr-072Hr	2.83	-0.04	0.01	3.60	3.60	3.60

Pipe Link: P-G6-G8		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-0.37 ft	Invert:	0.19 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	550.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-G8	005Yr-001Hr	0.14	-2.44	0.00	-1.38	-1.38	-1.38
P-G6-G8	005Yr-024Hr	1.76	-2.18	0.03	-1.23	-1.23	-1.23
P-G6-G8	010Yr-024Hr	1.82	-1.83	0.02	-1.04	-1.04	-1.04
P-G6-G8	025Yr-072Hr	1.81	-1.56	0.03	1.02	1.02	1.02
P-G6-G8	100Yr-072Hr	1.65	-0.97	-0.03	0.93	0.93	0.93

Pipe Link: P-G6-I7		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.97 ft	Invert:	-3.42 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-I7	005Yr-001Hr	20.01	-0.27	0.00	2.83	2.83	2.83
P-G6-I7	005Yr-024Hr	27.15	-0.09	-1.74	3.84	3.84	3.84
P-G6-I7	010Yr-024Hr	29.73	-0.09	-1.63	4.21	4.21	4.21
P-G6-I7	025Yr-072Hr	31.26	-0.08	2.24	4.42	4.42	4.42
P-G6-I7	100Yr-072Hr	32.62	-0.08	-2.24	4.62	4.62	4.62

Pipe Link: P-G8-G9		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	0.81 ft	Invert:	-0.37 ft
From Node:	NZA-G9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-G9	005Yr-001Hr	6.30	0.00	0.00	2.62	2.62	2.62
P-G8-G9	005Yr-024Hr	6.47	0.00	-0.04	2.69	2.69	2.69
P-G8-G9	010Yr-024Hr	6.39	0.00	-0.03	2.66	2.66	2.66
P-G8-G9	025Yr-072Hr	6.50	0.00	0.05	2.70	2.70	2.70
P-G8-G9	100Yr-072Hr	6.27	0.00	-0.04	2.61	2.61	2.61

Pipe Link: P-G8-I7		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.30 ft	Invert:	-1.83 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	570.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-I7	005Yr-001Hr	0.97	-16.36	-0.01	-2.31	-2.31	-2.31
P-G8-I7	005Yr-024Hr	0.16	-16.79	-0.72	-2.38	-2.38	-2.38
P-G8-I7	010Yr-024Hr	0.16	-16.90	-0.57	-2.39	-2.39	-2.39
P-G8-I7	025Yr-072Hr	0.15	-17.09	0.81	-2.42	-2.42	-2.42
P-G8-I7	100Yr-072Hr	0.15	-17.63	0.81	-2.49	-2.49	-2.49

Pipe Link: P-I1-I2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.17 ft	Invert:	-2.32 ft
From Node:	NZA-I2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I1-I2	005Yr-001Hr	1.70	-0.01	0.02	3.12	3.12	3.12
P-I1-I2	005Yr-024Hr	1.97	-0.18	0.04	3.61	3.61	3.61
P-I1-I2	010Yr-024Hr	1.95	-0.18	0.04	3.57	3.57	3.57
P-I1-I2	025Yr-072Hr	1.93	-0.19	0.04	3.53	3.53	3.53
P-I1-I2	100Yr-072Hr	1.91	-0.19	0.04	3.50	3.50	3.50

Pipe Link: P-I3-I4		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-1.54 ft	Invert:	1.02 ft
From Node:	NZA-I4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I3-I4	005Yr-001Hr	0.00	-1.14	-0.01	-0.65	-0.65	-0.65
P-I3-I4	005Yr-024Hr	0.36	-1.01	-0.02	-0.57	-0.57	-0.57
P-I3-I4	010Yr-024Hr	0.41	-1.00	-0.02	-0.57	-0.57	-0.57
P-I3-I4	025Yr-072Hr	0.62	-0.95	0.04	-0.54	-0.54	-0.54
P-I3-I4	100Yr-072Hr	1.59	-0.96	0.05	0.90	0.90	0.90

Pipe Link: P-I4-I5		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-0.68 ft	Invert:	-1.54 ft
From Node:	NZA-I5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I4-I5	005Yr-001Hr	0.00	-1.24	0.00	-1.58	-1.58	-1.58
P-I4-I5	005Yr-024Hr	0.28	-2.02	-0.01	-2.57	-2.57	-2.57
P-I4-I5	010Yr-024Hr	0.76	-2.01	0.00	-2.55	-2.55	-2.55
P-I4-I5	025Yr-072Hr	0.89	-1.91	0.01	-2.43	-2.43	-2.43
P-I4-I5	100Yr-072Hr	0.81	-1.91	0.01	-2.43	-2.43	-2.43

Pipe Link: P-I5-I6		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.97 ft	Invert:	-0.74 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I5-I6	005Yr-001Hr	0.00	-2.39	0.00	-3.04	-3.04	-3.04
P-I5-I6	005Yr-024Hr	0.00	-2.71	-0.02	-3.45	-3.45	-3.45
P-I5-I6	010Yr-024Hr	0.00	-2.72	-0.02	-3.46	-3.46	-3.46
P-I5-I6	025Yr-072Hr	0.01	-2.69	-0.03	-3.42	-3.42	-3.42
P-I5-I6	100Yr-072Hr	0.17	-2.61	-0.03	-3.32	-3.32	-3.32

Pipe Link: P-I6-CS-03		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-3.46 ft	Invert:	-4.50 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I6-CS-03	005Yr-001Hr	25.71	0.00	0.00	3.64	3.64	3.64
P-I6-CS-03	005Yr-024Hr	31.35	0.00	2.47	4.43	4.43	4.43
P-I6-CS-03	010Yr-024Hr	35.91	0.00	-2.20	5.08	5.08	5.08
P-I6-CS-03	025Yr-072Hr	36.98	0.00	-2.68	5.23	5.23	5.23
P-I6-CS-03	100Yr-072Hr	39.55	0.00	-2.71	5.60	5.60	5.60

Pipe Link: P-I7-I8		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.67 ft	Invert:	-2.97 ft
From Node:	NZA-I8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I7-I8	005Yr-001Hr	5.53	0.00	0.00	3.13	3.13	3.13
P-I7-I8	005Yr-024Hr	6.62	0.00	0.18	3.75	3.75	3.75
P-I7-I8	010Yr-024Hr	6.69	0.00	0.16	3.79	3.79	3.79
P-I7-I8	025Yr-072Hr	6.66	0.00	0.16	3.77	3.77	3.77
P-I7-I8	100Yr-072Hr	6.47	0.00	0.17	3.66	3.66	3.66

Pipe Link: P-OUTFALL(96th)-CS-TOWN		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-CS-TOWN	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (96th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-OUTFALL(96th)-CS-TOWN	005Yr-001Hr	15.71	0.00	0.00	4.16	5.55	4.85
P-OUTFALL(96th)-CS-TOWN	005Yr-024Hr	17.71	0.00	0.00	4.36	5.76	5.06
P-OUTFALL(96th)-CS-TOWN	010Yr-024Hr	21.70	0.00	0.00	4.72	6.15	5.44
P-OUTFALL(96th)-CS-TOWN	025Yr-072Hr	24.39	0.00	0.01	4.95	6.40	5.67
P-OUTFALL(96th)-CS-TOWN	100Yr-072Hr	30.31	0.00	0.01	5.44	6.92	6.18

Pipe Link: P-PS1-CS1		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.78 ft	Invert:	-2.75 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-CS1	005Yr-001Hr	0.38	-35.63	-22.30	-5.04	-5.04	-5.04
P-PS1-CS1	005Yr-024Hr	0.38	-37.59	-27.41	-5.32	-5.32	-5.32
P-PS1-CS1	010Yr-024Hr	0.38	-39.73	-28.64	-5.62	-5.62	-5.62
P-PS1-CS1	025Yr-072Hr	0.38	-39.73	-27.65	-5.62	-5.62	-5.62
P-PS1-CS1	100Yr-072Hr	0.38	-39.73	-28.24	-5.62	-5.62	-5.62

Pipe Link: P-PS1-DS1		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-DS1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS2-CS-02		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	-2.50 ft	Invert:	-2.30 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-CS-02	005Yr-001Hr	0.02	-28.26	20.96	-4.00	-4.00	-4.00
P-PS2-CS-02	005Yr-024Hr	0.19	-29.84	23.28	-4.22	-4.22	-4.22
P-PS2-CS-02	010Yr-024Hr	0.06	-33.09	23.67	-4.68	-4.68	-4.68
P-PS2-CS-02	025Yr-072Hr	0.88	-33.09	-24.25	-4.68	-4.68	-4.68
P-PS2-CS-02	100Yr-072Hr	0.42	-33.11	-24.68	-4.68	-4.68	-4.68

Pipe Link: P-PS2-DS2		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS2	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-DS2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS3-DS3		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS3-DS3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-S-82 - S-77		Upstream		Downstream	
Scenario:	OPTION 1	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-S-82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	888.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-S-82 - S-77	005Yr-001Hr	0.29	-0.06	0.01	0.51	1.89	1.20
P-S-82 - S-77	005Yr-024Hr	0.27	-0.28	-0.03	-0.50	-1.87	-1.19
P-S-82 - S-77	010Yr-024Hr	5.23	-2.65	-0.03	1.58	3.50	2.42
P-S-82 - S-77	025Yr-072Hr	6.09	-2.51	-0.04	1.67	3.65	2.54
P-S-82 - S-77	100Yr-072Hr	7.13	-4.12	-0.04	1.78	3.89	2.72

Drop Structure Link: S-101		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 1	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL	Geometry: Circular		Geometry: Circular	
	(CARLYLE)	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	Discharge Coefficients	
Max Depth:	1.50 ft	Weir Default:	3.200
Max Width:	6.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-101 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Drop Structure Link: S-77		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 1	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S-77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular		

Invert:	8.00 ft		
Control Elevation:	8.00 ft	Op Table:	
Max Depth:	1.50 ft	Ref Node:	
Max Width:	6.00 ft	Discharge Coefficients	
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-77 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-A1-A2

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	NZA-A2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.61 ft	Discharge Coefficients	
Control Elevation:	4.61 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-A2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-A2	005Yr-024Hr	0.00	-3.44	0.00	0.00	0.00	0.00
W-A1-A2	010Yr-024Hr	0.00	-13.68	0.00	0.00	0.00	0.00
W-A1-A2	025Yr-072Hr	0.00	-21.11	0.00	0.00	0.00	0.00
W-A1-A2	100Yr-072Hr	0.00	-33.54	-0.01	0.00	0.00	0.00

Weir Link: W-A1-B1

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	NZA-B1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.38 ft	Discharge Coefficients	
Control Elevation:	4.38 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	100Yr-072Hr	1.81	-1.13	0.00	0.85	0.85	0.85

Weir Link: W-A1-OUTFALL

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	OUTFALL (95th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	3.81 ft	Ref Node:	
Control Elevation:	3.81 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	010Yr-024Hr	9.74	0.00	0.00	1.51	1.51	1.51
W-A1-OUTFALL	025Yr-072Hr	21.14	0.00	0.00	1.96	1.96	1.96
W-A1-OUTFALL	100Yr-072Hr	38.13	0.00	0.01	3.47	3.47	3.47

Weir Link: W-A2-A3

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-A2	Default:	0.00 ft
To Node:	NZA-A3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.72 ft	Discharge Coefficients	
Control Elevation:	4.72 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A2-A3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A2-A3	005Yr-024Hr	0.00	-2.58	0.00	0.00	0.00	0.00
W-A2-A3	010Yr-024Hr	0.00	-8.91	0.00	-1.45	-1.45	-1.45
W-A2-A3	025Yr-072Hr	0.00	-13.97	0.00	-1.58	-1.58	-1.58
W-A2-A3	100Yr-072Hr	0.00	-22.74	0.00	-2.07	-2.07	-2.07

Weir Link: W-A3-A4

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-A4	Default:	0.00 ft
To Node:	NZA-A3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.41 ft	Discharge Coefficients	
Control Elevation:	5.41 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A3-A4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	100Yr-072Hr	6.19	0.00	0.00	1.30	1.30	1.30

Weir Link: W-A4-B4

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-A4	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.02 ft
Control Elevation:	5.02 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	025Yr-072Hr	4.23	0.00	0.00	1.15	1.15	1.15
W-A4-B4	100Yr-072Hr	9.94	-7.34	-2.06	1.44	1.44	1.44

Weir Link: W-A4-FDOT1B

Scenario:	OPTION 1
From Node:	FDOT-1B
To Node:	NZA-A4
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.22 ft
Control Elevation:	4.22 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-FDOT1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B							
W-A4-FDOT1 B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-FDOT1 B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-FDOT1 B	025Yr-072Hr	5.12	0.00	1.72	0.57	0.57	0.57
W-A4-FDOT1 B	100Yr-072Hr	8.98	0.00	2.09	0.89	0.89	0.89

Weir Link: W-AA1-AA2

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	NZA-AA1	Default:	0.00 ft
To Node:	NZA-AA2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-AA2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	100Yr-072Hr	0.00	-4.88	0.00	-1.20	-1.20	-1.20

Weir Link: W-AA1-OUTFALL(96th)

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	NZA-AA1	Default:	0.00 ft

To Node:	OUTFALL (96th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-OUTFALL(96th)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	100Yr-072Hr	0.99	0.00	0.00	0.71	0.71	0.71

Weir Link: W-AA2-AA3

Scenario:	OPTION 1
From Node:	NZA-AA3
To Node:	NZA-AA2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA2-AA3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	025Yr-072Hr	0.43	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	100Yr-072Hr	7.30	0.00	0.00	1.36	1.36	1.36

Weir Link: W-AA3-AA4

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-AA4	Default:	0.00 ft
To Node:	NZA-AA3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA3-AA4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	025Yr-072Hr	1.49	0.00	0.00	0.81	0.81	0.81
W-AA3-AA4	100Yr-072Hr	6.96	0.00	0.00	1.20	1.20	1.20

Weir Link: W-AA4-AA5

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-AA5	Default:	0.00 ft
To Node:	NZA-AA4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA4-AA5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	025Yr-072Hr	2.24	0.00	0.00	0.92	0.92	0.92
W-AA4-AA5	100Yr-072Hr	5.37	0.00	0.00	1.00	1.00	1.00

Weir Link: W-AA7-A4

Scenario:	OPTION 1
From Node:	NZA-AA7
To Node:	NZA-A4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-001Hr	0.00	-2.34	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-024Hr	2.95	-6.98	0.00	-1.35	-1.35	-1.35
W-AA7-A4	010Yr-024Hr	5.71	-14.23	-1.79	-1.70	-1.70	-1.70
W-AA7-A4	025Yr-072Hr	7.21	-18.68	-1.79	-1.87	-1.87	-1.87
W-AA7-A4	100Yr-072Hr	7.70	-22.09	-1.90	-2.01	-2.01	-2.01

Weir Link: W-B1-B2

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	NZA-B2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.50 ft	Discharge Coefficients	
Control Elevation:	4.50 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	025Yr-072Hr	0.00	-5.62	0.00	0.00	0.00	0.00
W-B1-B2	100Yr-072Hr	0.00	-19.69	0.00	-1.98	-1.98	-1.98

Weir Link: W-B1-OUTFALL

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	OUTFALL (94th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	3.90 ft
Control Elevation:	3.90 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	025Yr-072Hr	6.69	0.00	0.00	1.38	1.38	1.38
W-B1-OUTFALL	100Yr-072Hr	31.59	0.00	0.00	3.16	3.16	3.16

Weir Link: W-B2-B3

Scenario:	OPTION 1
From Node:	NZA-B2
To Node:	NZA-B3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.54 ft
Control Elevation:	4.54 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B2-B3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	010Yr-024Hr	0.00	-2.26	0.00	0.00	0.00	0.00
W-B2-B3	025Yr-072Hr	0.00	-8.96	0.00	-1.52	-1.52	-1.52
W-B2-B3	100Yr-072Hr	0.00	-18.13	0.00	-1.82	-1.82	-1.82

Weir Link: W-B3-B4

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-B3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.52 ft	Discharge Coefficients	
Control Elevation:	5.52 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B3-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	100Yr-072Hr	1.75	0.00	0.00	0.88	0.88	0.88

Weir Link: W-B4-C2

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.69 ft
Control Elevation:	5.69 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-C2	005Yr-001Hr	0.00	-4.35	0.00	0.00	0.00	0.00
W-B4-C2	005Yr-024Hr	0.00	-8.52	0.00	0.00	0.00	0.00
W-B4-C2	010Yr-024Hr	0.00	-13.28	0.00	0.00	0.00	0.00
W-B4-C2	025Yr-072Hr	0.00	-16.75	0.00	0.00	0.00	0.00
W-B4-C2	100Yr-072Hr	0.00	-23.85	0.00	0.00	0.00	0.00

Weir Link: W-B4-FDOT2B

Scenario:	OPTION 1
From Node:	FDOT-1B
To Node:	NZA-B4
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.21 ft
Control Elevation:	4.21 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2 B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-FDOT2 B	010Yr-024Hr	5.01	0.00	1.39	1.25	1.25	1.25
W-B4-FDOT2 B	025Yr-072Hr	3.39	0.00	-0.53	1.10	1.10	1.10
W-B4-FDOT2 B	100Yr-072Hr	2.16	0.00	-0.02	0.95	0.95	0.95

Weir Link: W-C1-B1

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	NZA-C1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.86 ft	Discharge Coefficients	
Control Elevation:	4.86 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	010Yr-024Hr	0.00	-0.83	0.00	0.00	0.00	0.00
W-C1-B1	025Yr-072Hr	0.00	-12.16	0.00	0.00	0.00	0.00
W-C1-B1	100Yr-072Hr	0.00	-26.93	0.00	0.00	0.00	0.00

Weir Link: W-C1-D2

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-C1	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.80 ft
Control Elevation:	4.80 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	010Yr-024Hr	3.47	0.00	0.00	1.07	1.07	1.07
W-C1-D2	025Yr-072Hr	12.44	0.00	0.00	1.43	1.43	1.43
W-C1-D2	100Yr-072Hr	21.33	0.00	1.93	1.94	1.94	1.94

Weir Link: W-C2-FDOT3B

Scenario:	OPTION 1
From Node:	FDOT-3B
To Node:	NZA-C2
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	3.95 ft
Control Elevation:	3.95 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C2-FDOT3B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-D1-D2

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-D1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.10 ft	**Discharge Coefficients**	
Control Elevation:	4.10 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-D2	005Yr-024Hr	22.96	0.00	0.00	2.09	2.09	2.09
W-D1-D2	010Yr-024Hr	32.20	0.00	0.01	2.93	2.93	2.93
W-D1-D2	025Yr-072Hr	34.63	0.00	0.01	3.15	3.15	3.15
W-D1-D2	100Yr-072Hr	32.09	0.00	0.00	2.92	2.92	2.92

Weir Link: W-D1-E1

Scenario:	OPTION 1	**Bottom Clip**	

From Node:	NZA-D1		
To Node:	NZA-E1	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.24 ft	Ref Node:	
Control Elevation:	4.24 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-E1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	005Yr-024Hr	9.23	0.00	0.00	1.49	1.49	1.49
W-D1-E1	010Yr-024Hr	18.40	0.00	0.00	1.87	1.87	1.87
W-D1-E1	025Yr-072Hr	24.72	0.00	0.01	2.25	2.25	2.25
W-D1-E1	100Yr-072Hr	27.02	0.00	0.01	2.46	2.46	2.46

Weir Link: W-D1-OUTFALL

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	OUTFALL (92nd)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	100Yr-072Hr	5.70	0.00	0.00	1.27	1.27	1.27

Weir Link: W-D2-D3

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.18 ft	**Discharge Coefficients**	
Control Elevation:	4.18 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-D3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-D3	005Yr-024Hr	0.00	-24.47	0.00	-2.22	-2.22	-2.22
W-D2-D3	010Yr-024Hr	0.00	-29.03	0.00	-2.64	-2.64	-2.64
W-D2-D3	025Yr-072Hr	0.00	-33.77	-0.01	-3.07	-3.07	-3.07
W-D2-D3	100Yr-072Hr	0.00	-39.64	0.00	-3.60	-3.60	-3.60

Weir Link: W-D2-E3

Scenario:	OPTION 1	**Bottom Clip**	

From Node:	NZA-D2		
To Node:	NZA-E3	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.17 ft	Ref Node:	
Control Elevation:	4.17 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-E3	005Yr-024Hr	1.55	-6.83	0.00	-1.34	-1.34	-1.34
W-D2-E3	010Yr-024Hr	4.73	-10.24	-2.45	-1.53	-1.53	-1.53
W-D2-E3	025Yr-072Hr	5.82	-6.89	-2.35	-1.30	-1.30	-1.30
W-D2-E3	100Yr-072Hr	5.95	-9.35	-2.81	-0.85	-0.85	-0.85

Weir Link: W-D3-D4

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-D4	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.54 ft	Discharge Coefficients	
Control Elevation:	4.54 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D3-D4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D3-D4	005Yr-024Hr	24.17	0.00	0.00	2.20	2.20	2.20
W-D3-D4	010Yr-024Hr	28.60	0.00	0.00	2.60	2.60	2.60
W-D3-D4	025Yr-072Hr	32.26	0.00	0.00	2.93	2.93	2.93
W-D3-D4	100Yr-072Hr	37.65	0.00	0.00	3.42	3.42	3.42

Weir Link: W-D4-D5

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-D5	Default:	0.00 ft
To Node:	NZA-D4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.56 ft	Discharge Coefficients	
Control Elevation:	4.56 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	005Yr-001Hr	0.69	0.00	0.00	0.00	0.00	0.00
W-D4-D5	005Yr-024Hr	19.21	0.00	0.00	1.75	1.75	1.75
W-D4-D5	010Yr-024Hr	24.22	0.00	0.00	2.20	2.20	2.20
W-D4-D5	025Yr-072Hr	25.44	0.00	0.37	2.31	2.31	2.31
W-D4-D5	100Yr-072Hr	28.06	0.00	0.78	2.55	2.55	2.55

Weir Link: W-D5-D6

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-D6	Default:	0.00 ft
To Node:	NZA-D5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.94 ft
Control Elevation:	4.94 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D5-D6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D5-D6	005Yr-024Hr	12.63	0.00	0.00	1.65	1.65	1.65
W-D5-D6	010Yr-024Hr	17.77	0.00	-2.48	1.82	1.82	1.82
W-D5-D6	025Yr-072Hr	20.65	0.00	1.88	1.91	1.91	1.91
W-D5-D6	100Yr-072Hr	18.65	0.00	2.08	1.84	1.84	1.84

Weir Link: W-D6-D7

Scenario:	OPTION 1
From Node:	NZA-D7
To Node:	NZA-D6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.40 ft
Control Elevation:	4.40 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	005Yr-001Hr	0.00	-4.54	0.00	0.00	0.00	0.00
W-D6-D7	005Yr-024Hr	4.85	-4.29	-0.33	-1.13	-1.13	-1.13

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	010Yr-024Hr	6.98	-1.95	-0.37	-0.73	-0.73	-0.73
W-D6-D7	025Yr-072Hr	7.50	0.00	0.06	0.68	0.68	0.68
W-D6-D7	100Yr-072Hr	8.23	-1.02	0.10	0.75	0.75	0.75

Weir Link: W-D7-FDOT4B

Scenario:	OPTION 1	Bottom Clip	
From Node:	FDOT-4B	Default:	0.00 ft
To Node:	NZA-D7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	Discharge Coefficients	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	025Yr-072Hr	0.46	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	100Yr-072Hr	0.18	0.00	0.00	0.00	0.00	0.00

Weir Link: W-E1-E2

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-E2	Default:	0.00 ft
To Node:	NZA-E1	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.22 ft
Control Elevation:	4.22 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-E2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	005Yr-024Hr	11.50	0.00	0.00	1.60	1.60	1.60
W-E1-E2	010Yr-024Hr	24.01	0.00	0.00	2.18	2.18	2.18
W-E1-E2	025Yr-072Hr	31.95	0.00	0.00	2.90	2.90	2.90
W-E1-E2	100Yr-072Hr	34.45	0.00	0.00	3.13	3.13	3.13

Weir Link: W-E1-F1

Scenario:	OPTION 1
From Node:	NZA-E1
To Node:	NZA-F1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.26 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-F1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	010Yr-024Hr	0.00	-1.53	0.00	-0.82	-0.82	-0.82
W-E1-F1	025Yr-072Hr	7.30	-6.65	0.06	1.35	1.35	1.35
W-E1-F1	100Yr-072Hr	12.89	-21.78	1.21	-1.98	-1.98	-1.98

Weir Link: W-E1-OUTFALL A

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	OUTFALL (91st) - A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.68 ft	**Discharge Coefficients**	
Control Elevation:	4.68 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	025Yr-072Hr	1.37	0.00	0.00	0.79	0.79	0.79
W-E1-OUTFALL A	100Yr-072Hr	12.95	0.00	0.00	1.66	1.66	1.66

Weir Link: W-E1-OUTFALL B

Scenario:	OPTION 1	**Bottom Clip**	

From Node:	NZA-E1		
To Node:	OUTFALL (91st) - B	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.68 ft	Ref Node:	
Control Elevation:	4.68 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	025Yr-072Hr	1.37	0.00	0.00	0.79	0.79	0.79
W-E1-OUTFALL B	100Yr-072Hr	12.95	0.00	0.00	1.66	1.66	1.66

Weir Link: W-E2-E3

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-E3	Default:	0.00 ft
To Node:	NZA-E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	Discharge Coefficients	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E2-E3	005Yr-024Hr	20.86	0.00	0.00	1.93	1.93	1.93
W-E2-E3	010Yr-024Hr	23.92	0.00	0.00	2.17	2.17	2.17
W-E2-E3	025Yr-072Hr	26.59	0.00	0.01	2.42	2.42	2.42
W-E2-E3	100Yr-072Hr	26.91	0.00	0.00	2.45	2.45	2.45

Weir Link: W-E3-E4

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-E4	Default:	0.00 ft
To Node:	NZA-E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.38 ft	Discharge Coefficients	
Control Elevation:	4.38 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E3-E4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E3-E4	005Yr-024Hr	18.50	0.00	0.00	1.88	1.88	1.88
W-E3-E4	010Yr-024Hr	25.13	0.00	0.00	2.28	2.28	2.28
W-E3-E4	025Yr-072Hr	24.94	0.00	0.00	2.27	2.27	2.27
W-E3-E4	100Yr-072Hr	31.02	0.00	0.00	2.82	2.82	2.82

Weir Link: W-E4-E5

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-E5	Default:	0.00 ft
To Node:	NZA-E4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.81 ft
Control Elevation:	4.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E4-E5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	005Yr-024Hr	0.39	0.00	0.00	0.00	0.00	0.00
W-E4-E5	010Yr-024Hr	7.83	0.00	0.00	1.10	1.10	1.10
W-E4-E5	025Yr-072Hr	12.20	0.00	-1.98	1.16	1.16	1.16
W-E4-E5	100Yr-072Hr	13.21	0.00	-2.05	1.20	1.20	1.20

Weir Link: W-E5-E6

Scenario:	OPTION 1
From Node:	NZA-E6
To Node:	NZA-E5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.50 ft
Control Elevation:	4.50 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-024Hr	12.05	0.00	0.00	1.49	1.49	1.49
W-E5-E6	010Yr-024Hr	16.71	0.00	1.84	1.56	1.56	1.56
W-E5-E6	025Yr-072Hr	17.20	0.00	-2.44	1.57	1.57	1.57
W-E5-E6	100Yr-072Hr	18.17	0.00	2.04	1.65	1.65	1.65

Weir Link: W-E6-E7

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-E7	Default:	0.00 ft
To Node:	NZA-E6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.03 ft	Discharge Coefficients	
Control Elevation:	4.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-001Hr	0.00	-4.06	0.01	-1.11	-1.11	-1.11
W-E6-E7	005Yr-024Hr	10.55	-3.33	-1.67	1.08	1.08	1.08
W-E6-E7	010Yr-024Hr	13.56	-2.46	1.85	1.23	1.23	1.23
W-E6-E7	025Yr-072Hr	14.87	0.00	2.16	1.35	1.35	1.35
W-E6-E7	100Yr-072Hr	17.86	0.00	-3.08	1.62	1.62	1.62

Weir Link: W-E7-E8

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-E8	Default:	0.00 ft
To Node:	NZA-E7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	4.36 ft
Control Elevation:	4.36 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E7-E8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E7-E8	005Yr-024Hr	9.65	-1.36	-3.13	1.35	1.35	1.35
W-E7-E8	010Yr-024Hr	11.48	0.00	-2.08	1.56	1.56	1.56
W-E7-E8	025Yr-072Hr	12.31	0.00	-3.10	1.52	1.52	1.52
W-E7-E8	100Yr-072Hr	14.85	0.00	-3.11	1.35	1.35	1.35

Weir Link: W-E8-FDOT1A

Scenario:	OPTION 1
From Node:	FDOT-1A
To Node:	NZA-E8
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.46 ft
Control Elevation:	4.46 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT1A	005Yr-001Hr	0.36	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT1	005Yr-024Hr	5.51	0.00	0.00	1.25	1.25	1.25

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
W-E8-FDOT1A	010Yr-024Hr	5.51	0.00	-0.01	1.24	1.24	1.24
W-E8-FDOT1A	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT1A	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-E8-FDOT5B

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	FDOT-5B	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.46 ft	**Discharge Coefficients**	
Control Elevation:	4.46 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT5B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT5B	005Yr-024Hr	6.38	0.00	-0.05	1.17	1.17	1.17
W-E8-FDOT5B	010Yr-024Hr	9.46	0.00	-2.05	1.36	1.36	1.36
W-E8-FDOT5B	025Yr-072Hr	9.87	0.00	-3.11	1.27	1.27	1.27
W-E8-FDOT5B	100Yr-072Hr	10.77	0.00	-3.10	1.08	1.08	1.08

Weir Link: W-F1-F2			
Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.23 ft	Discharge Coefficients	
Control Elevation:	4.23 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-F2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	010Yr-024Hr	0.00	-2.60	0.00	-0.97	-0.97	-0.97
W-F1-F2	025Yr-072Hr	5.99	-11.31	3.13	-1.32	-1.32	-1.32
W-F1-F2	100Yr-072Hr	7.99	-15.92	2.79	-1.71	-1.71	-1.71

Weir Link: W-F1-G1			
Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.28 ft	Discharge Coefficients	
Control Elevation:	4.28 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-G1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	010Yr-024Hr	0.96	0.00	0.00	0.69	0.69	0.69
W-F1-G1	025Yr-072Hr	9.19	-0.47	-0.04	1.19	1.19	1.19
W-F1-G1	100Yr-072Hr	11.95	-2.68	-1.95	1.51	1.51	1.51

Weir Link: W-F2-F3

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.24 ft	Discharge Coefficients	
Control Elevation:	4.24 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-F3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-F3	005Yr-024Hr	4.01	0.00	0.00	1.13	1.13	1.13
W-F2-F3	010Yr-024Hr	12.55	0.00	0.00	1.65	1.65	1.65
W-F2-F3	025Yr-072Hr	21.79	0.00	-0.44	1.98	1.98	1.98
W-F2-F3	100Yr-072Hr	27.32	0.00	-1.49	2.48	2.48	2.48

Weir Link: W-F2-G2

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-F2	Default:	0.00 ft
To Node:	NZA-G2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.01 ft	Ref Node:	
Control Elevation:	4.01 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-G2	005Yr-024Hr	4.30	0.00	0.00	1.15	1.15	1.15
W-F2-G2	010Yr-024Hr	12.28	0.00	0.00	1.64	1.64	1.64
W-F2-G2	025Yr-072Hr	19.08	0.00	3.38	1.86	1.86	1.86
W-F2-G2	100Yr-072Hr	23.49	0.00	-1.06	2.14	2.14	2.14

Weir Link: W-F3-F4

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Gravel Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-024Hr	0.00	-1.77	0.00	0.00	0.00	0.00
W-F3-F4	010Yr-024Hr	0.00	-9.21	0.00	0.00	0.00	0.00
W-F3-F4	025Yr-072Hr	0.00	-16.23	0.00	-1.80	-1.80	-1.80
W-F3-F4	100Yr-072Hr	0.00	-25.55	0.00	-2.32	-2.32	-2.32

Weir Link: W-F4-F5

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	NZA-F5	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.03 ft	**Discharge Coefficients**	
Control Elevation:	5.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	010Yr-024Hr	4.36	0.00	0.00	1.16	1.16	1.16
W-F4-F5	025Yr-072Hr	11.97	0.00	0.00	1.62	1.62	1.62
W-F4-F5	100Yr-072Hr	22.47	0.00	0.00	2.04	2.04	2.04

Weir Link: W-F4-G4

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	NZA-F4	Default:	0.00 ft
To Node:	NZA-G4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	5.05 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	025Yr-072Hr	2.84	0.00	0.00	1.00	1.00	1.00
W-F4-G4	100Yr-072Hr	7.87	0.00	1.88	1.14	1.14	1.14

Weir Link: W-F5-F6

Scenario:	OPTION 1
From Node:	NZA-F6
To Node:	NZA-F5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.81 ft
Control Elevation:	4.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F5-F6	005Yr-024Hr	0.14	-1.69	0.00	-0.81	-0.81	-0.81
W-F5-F6	010Yr-024Hr	4.22	-2.48	0.02	1.13	1.13	1.13

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	025Yr-072Hr	5.92	-2.66	-1.56	-0.75	-0.75	-0.75
W-F5-F6	100Yr-072Hr	12.75	-4.70	-1.62	1.16	1.16	1.16

Weir Link: W-F6-F7

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-F7	Default:	0.00 ft
To Node:	NZA-F6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.63 ft	Discharge Coefficients	
Control Elevation:	4.63 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F6-F7	005Yr-024Hr	3.14	-5.04	-0.01	1.03	1.03	1.03
W-F6-F7	010Yr-024Hr	8.08	-7.29	1.69	1.40	1.40	1.40
W-F6-F7	025Yr-072Hr	2.13	-7.73	2.51	-0.94	-0.94	-0.94
W-F6-F7	100Yr-072Hr	6.61	-10.06	1.67	-1.12	-1.12	-1.12

Weir Link: W-F7-F8

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-F7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.60 ft	Discharge Coefficients	

Control Elevation:	4.60 ft		
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F7-F8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F7-F8	005Yr-024Hr	0.51	-7.74	0.00	-1.33	-1.33	-1.33
W-F7-F8	010Yr-024Hr	5.20	-11.67	3.65	-1.30	-1.30	-1.30
W-F7-F8	025Yr-072Hr	0.25	-12.23	3.64	-1.29	-1.29	-1.29
W-F7-F8	100Yr-072Hr	0.00	-16.16	2.08	-1.76	-1.76	-1.76

Weir Link: W-F8-F9

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-F9	Default:	0.00 ft
To Node:	NZA-F8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.75 ft	Discharge Coefficients	
Control Elevation:	4.75 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-F9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F8-F9	005Yr-024Hr	2.49	0.00	0.00	0.96	0.96	0.96
W-F8-F9	010Yr-024Hr	6.34	0.00	0.05	1.29	1.29	1.29
W-F8-F9	025Yr-072Hr	7.34	0.00	-1.68	1.30	1.30	1.30
W-F8-F9	100Yr-072Hr	6.38	-0.32	-1.49	0.81	0.81	0.81

Weir Link: W-F8-G8			
Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	0.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-G8	005Yr-001Hr	5.07	-0.21	0.00	0.46	0.46	0.46
W-F8-G8	005Yr-024Hr	8.14	-0.01	0.04	0.74	0.74	0.74
W-F8-G8	010Yr-024Hr	10.70	-0.02	0.04	0.97	0.97	0.97
W-F8-G8	025Yr-072Hr	11.16	-0.01	0.05	1.01	1.01	1.01
W-F8-G8	100Yr-072Hr	11.84	-0.01	0.05	1.08	1.08	1.08

Weir Link: W-F9-FDOT2A			
Scenario:	OPTION 1	Bottom Clip	
From Node:	FDOT-2A	Default:	0.00 ft
To Node:	NZA-F9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F9-FDOT2 A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2 A	005Yr-024Hr	0.82	0.00	0.00	0.66	0.66	0.66
W-F9-FDOT2 A	010Yr-024Hr	3.82	0.00	0.00	1.10	1.10	1.10
W-F9-FDOT2 A	025Yr-072Hr	6.08	0.00	-0.36	1.28	1.28	1.28
W-F9-FDOT2 A	100Yr-072Hr	5.59	0.00	-0.04	1.24	1.24	1.24

Weir Link: W-G1-G2

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.36 ft	**Discharge Coefficients**	
Control Elevation:	4.36 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G1-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	025Yr-072Hr	0.00	-11.35	0.00	-1.51	-1.51	-1.51
W-G1-G2	100Yr-072Hr	3.22	-11.99	1.83	-1.56	-1.56	-1.56

Weir Link: W-G2-G3

Scenario:	OPTION 1
From Node:	NZA-G2
To Node:	NZA-G3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.13 ft
Control Elevation:	4.13 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-G3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	010Yr-024Hr	0.00	-9.58	0.00	0.00	0.00	0.00
W-G2-G3	025Yr-072Hr	0.00	-22.87	0.69	-2.08	-2.08	-2.08
W-G2-G3	100Yr-072Hr	0.00	-28.51	1.48	-2.59	-2.59	-2.59

Weir Link: W-G2-I1

Scenario:	OPTION 1
From Node:	NZA-G2
To Node:	NZA-I1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.29 ft
Control Elevation:	4.29 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-I1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	025Yr-072Hr	19.06	0.00	0.00	1.89	1.89	1.89
W-G2-I1	100Yr-072Hr	22.08	0.00	-1.77	2.01	2.01	2.01

Weir Link: W-G2-OUTFALL

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	OUTFALL (89th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	100Yr-072Hr	5.58	0.00	0.00	1.26	1.26	1.26

Weir Link: W-G3-G4

Scenario:	OPTION 1
From Node:	NZA-G3
To Node:	NZA-G4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.73 ft
Control Elevation:	4.73 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G3-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	010Yr-024Hr	0.00	-5.20	0.00	0.00	0.00	0.00
W-G3-G4	025Yr-072Hr	0.00	-17.95	0.00	-1.86	-1.86	-1.86
W-G3-G4	100Yr-072Hr	0.00	-28.26	0.00	-2.57	-2.57	-2.57

Weir Link: W-G4-G5

Scenario:	OPTION 1
From Node:	NZA-G4
To Node:	NZA-G5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.84 ft
Control Elevation:	4.84 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G4-G5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	005Yr-024Hr	0.00	-0.10	0.00	0.00	0.00	0.00
W-G4-G5	010Yr-024Hr	0.00	-8.52	0.00	-1.45	-1.45	-1.45
W-G4-G5	025Yr-072Hr	0.00	-16.24	0.00	-1.80	-1.80	-1.80
W-G4-G5	100Yr-072Hr	0.00	-20.74	1.27	-1.89	-1.89	-1.89

Weir Link: W-G5-G6

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	Discharge Coefficients	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G5-G6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G5-G6	005Yr-024Hr	5.06	0.00	0.00	1.10	1.10	1.10
W-G5-G6	010Yr-024Hr	7.49	-0.57	-2.95	1.11	1.11	1.11
W-G5-G6	025Yr-072Hr	12.70	-0.37	-2.37	1.15	1.15	1.15
W-G5-G6	100Yr-072Hr	13.54	0.00	-1.53	1.23	1.23	1.23

Weir Link: W-G6-G8

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.55 ft
Control Elevation:	4.55 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G6-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G6-G8	005Yr-024Hr	0.71	-2.98	0.01	-0.89	-0.89	-0.89
W-G6-G8	010Yr-024Hr	2.32	-4.34	2.39	-1.05	-1.05	-1.05
W-G6-G8	025Yr-072Hr	1.70	-8.20	1.33	-1.09	-1.09	-1.09
W-G6-G8	100Yr-072Hr	0.00	-8.33	1.30	-1.17	-1.17	-1.17

Weir Link: W-G7-G8

Scenario:	OPTION 1
From Node:	NZA-G7
To Node:	NZA-G8
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.44 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-024Hr	6.01	0.00	0.00	1.29	1.29	1.29
W-G7-G8	010Yr-024Hr	7.73	-0.47	1.94	1.40	1.40	1.40
W-G7-G8	025Yr-072Hr	8.30	-2.15	1.17	1.43	1.43	1.43
W-G7-G8	100Yr-072Hr	7.76	-5.74	-1.87	1.40	1.40	1.40

Weir Link: W-G8-G9

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-G8	Default:	0.00 ft
To Node:	NZA-G9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.63 ft	Discharge Coefficients	
Control Elevation:	4.63 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-G9	005Yr-024Hr	0.00	-4.62	0.00	-1.18	-1.18	-1.18
W-G8-G9	010Yr-024Hr	0.00	-8.69	0.01	-1.44	-1.44	-1.44
W-G8-G9	025Yr-072Hr	0.00	-10.65	1.71	-1.54	-1.54	-1.54
W-G8-G9	100Yr-072Hr	0.00	-10.76	-1.44	-1.54	-1.54	-1.54

Weir Link: W-G8-I7

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	4.70 ft
Control Elevation:	4.70 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-I7	005Yr-024Hr	0.00	-3.80	0.00	0.00	0.00	0.00
W-G8-I7	010Yr-024Hr	0.00	-17.05	0.00	-1.81	-1.81	-1.81
W-G8-I7	025Yr-072Hr	0.00	-21.55	1.24	-1.96	-1.96	-1.96
W-G8-I7	100Yr-072Hr	0.00	-22.08	1.42	-2.01	-2.01	-2.01

Weir Link: W-G9-FDOT3A

Scenario:	OPTION 1
From Node:	FDOT-3A
To Node:	NZA-G9
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.31 ft
Control Elevation:	4.31 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G9-FDOT3A	005Yr-001Hr	1.76	0.00	0.00	0.53	0.53	0.53
W-G9-FDOT3	005Yr-024Hr	4.00	0.00	1.52	0.91	0.91	0.91

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
W-G9-FDOT3 A	010Yr-024Hr	3.93	0.00	1.16	0.90	0.90	0.90
W-G9-FDOT3 A	025Yr-072Hr	4.61	0.00	1.58	0.94	0.94	0.94
W-G9-FDOT3 A	100Yr-072Hr	4.13	0.00	0.79	1.09	1.09	1.09

Weir Link: W-I1-I2

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	NZA-I2	Default:	0.00 ft
To Node:	NZA-I1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.03 ft	**Discharge Coefficients**	
Control Elevation:	4.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-I2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-I2	005Yr-024Hr	7.95	0.00	0.00	1.42	1.42	1.42
W-I1-I2	010Yr-024Hr	14.33	0.00	0.00	1.72	1.72	1.72
W-I1-I2	025Yr-072Hr	19.28	0.00	-2.03	1.90	1.90	1.90
W-I1-I2	100Yr-072Hr	28.52	0.00	-2.05	2.59	2.59	2.59

Weir Link: W-I1-OUTFALL

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	NZA-I1	Default:	0.00 ft
To Node:	OUTFALL (88th)	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	5.00 ft
Control Elevation:	5.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	100Yr-072Hr	3.42	0.00	0.00	1.07	1.07	1.07

Weir Link: W-I2-I3

Scenario:	OPTION 1
From Node:	NZA-I2
To Node:	NZA-I3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.55 ft
Control Elevation:	4.55 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I2-I3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I2-I3	005Yr-024Hr	0.00	-6.83	0.00	0.00	0.00	0.00
W-I2-I3	010Yr-024Hr	0.00	-11.11	0.00	0.00	0.00	0.00
W-I2-I3	025Yr-072Hr	0.00	-14.31	0.00	-1.62	-1.62	-1.62
W-I2-I3	100Yr-072Hr	0.00	-21.80	1.57	-1.98	-1.98	-1.98

Weir Link: W-I3-I4

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-I3	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.56 ft	Discharge Coefficients	
Control Elevation:	4.56 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I3-I4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I3-I4	005Yr-024Hr	0.10	-3.18	0.00	-0.64	-0.64	-0.64
W-I3-I4	010Yr-024Hr	0.10	-5.23	0.00	-0.76	-0.76	-0.76
W-I3-I4	025Yr-072Hr	0.12	-7.66	0.00	-1.04	-1.04	-1.04
W-I3-I4	100Yr-072Hr	0.16	-14.00	2.07	-1.27	-1.27	-1.27

Weir Link: W-I4-I5

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-I5	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.86 ft	Ref Node:	
Control Elevation:	4.86 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I4-I5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	010Yr-024Hr	0.06	-0.02	0.00	0.00	0.00	0.00
W-I4-I5	025Yr-072Hr	3.72	-0.62	0.00	1.10	1.10	1.10
W-I4-I5	100Yr-072Hr	8.90	-0.67	0.01	1.44	1.44	1.44

Weir Link: W-I5-I6

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.70 ft	Discharge Coefficients	
Control Elevation:	4.70 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-024Hr	0.00	-1.64	0.00	0.00	0.00	0.00
W-I5-I6	010Yr-024Hr	0.00	-4.49	0.00	-1.06	-1.06	-1.06
W-I5-I6	025Yr-072Hr	0.60	-6.84	0.01	-1.32	-1.32	-1.32
W-I5-I6	100Yr-072Hr	3.92	-11.55	-1.09	-1.60	-1.60	-1.60

Weir Link: W-I6-I7

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	Discharge Coefficients	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	11.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-I7	005Yr-024Hr	0.00	-1.97	0.00	0.00	0.00	0.00
W-I6-I7	010Yr-024Hr	0.00	-13.17	0.00	-2.39	-2.39	-2.39
W-I6-I7	025Yr-072Hr	0.00	-16.20	0.00	-2.95	-2.95	-2.95
W-I6-I7	100Yr-072Hr	0.00	-17.96	-0.01	-3.27	-3.27	-3.27

Weir Link: W-I6-OUTFALL

Scenario:	OPTION 1	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	OUTFALL (CARLYLE)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	7.30 ft
Control Elevation:	7.30 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-I7-I8

Scenario:	OPTION 1
From Node:	NZA-I7
To Node:	NZA-I8
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.58 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I7-I8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I7-I8	005Yr-024Hr	0.00	-5.72	0.00	-1.25	-1.25	-1.25
W-I7-I8	010Yr-024Hr	0.00	-12.48	0.00	-1.64	-1.64	-1.64
W-I7-I8	025Yr-072Hr	0.00	-15.70	-2.04	-1.77	-1.77	-1.77
W-I7-I8	100Yr-072Hr	0.00	-19.08	-2.08	-1.88	-1.88	-1.88

Weir Link: W-I8-FDOT4A

Scenario:	OPTION 1	**Bottom Clip**	
From Node:	FDOT-4A	Default:	0.00 ft
To Node:	NZA-I8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.87 ft	**Discharge Coefficients**	
Control Elevation:	3.87 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I8-FDOT4A	005Yr-001Hr	3.72	0.00	1.91	0.84	0.84	0.84
W-I8-FDOT4A	005Yr-024Hr	5.56	0.00	2.61	1.25	1.25	1.25
W-I8-FDOT4A	010Yr-024Hr	7.33	0.00	-1.45	1.26	1.26	1.26
W-I8-FDOT4A	025Yr-072Hr	8.30	0.00	2.36	1.25	1.25	1.25
W-I8-FDOT4A	100Yr-072Hr	9.21	0.00	3.05	1.23	1.23	1.23

Rating Curve: RC-0001

Scenario: OPTION 1
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	39.60
9.90	39.60

Comment: Surfside Drainage Wells:
DW 1: 620 GPM/FT
DW 2: 800 GPM/FT
DW 3: 800 GPM/FT

Rating Curve: RC-0002

Scenario: OPTION 1
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	33.00
9.90	33.00

Comment: Surfside Drainage Wells:
DW 4: 500 GPM/FT
DW 5: 800 GPM/FT
DW 6: 550 GPM/FT

Rating Curve: RC-0003

Scenario: OPTION 1
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	27.67
9.90	27.67

Comment: Surfside Drainage Wells:
DW 7: 500 GPM/FT
DW 8: 400 GPM/FT
DW 9: 650 GPM/FT

Rating Curve: RC-0004

Scenario: OPTION 1
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	14.20
8.00	14.20

Comment: Existing Surfside Pump Station (92nd)

Rating Curve: RC-0005

Scenario: OPTION 1
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	42.88
9.90	42.88

Comment: FDOT Drainage Wells:
600 GPM/FT

Appendix K – Scenario Two

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #2

SHEET NUMBER CP-104

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 9:40:28 AM

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

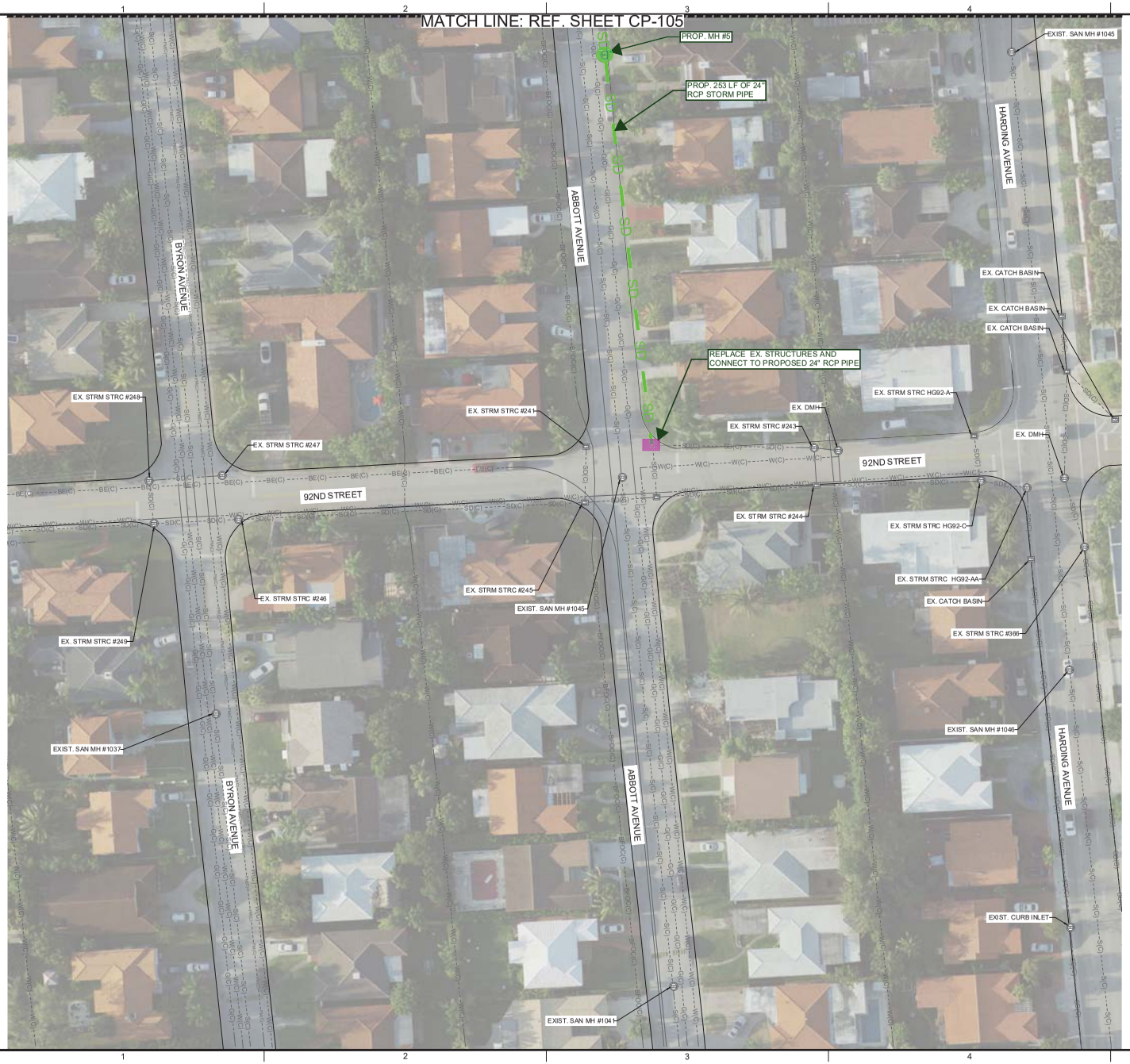
SCENARIO #2

SHEET NUMBER CP-105

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

MATCH LINE: REF. SHEET CP-105



N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #2

SHEET NUMBER CP-106

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 8:40:28 AM

KEITH

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
Project: Abbott Avenue Drainage Improvements
Project No. 11494.00

Scenario 2

ABBOTT AVENUE IMPROVEMENTS (92nd & 94th)

Updated 6/8/21

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT
	Construction Costs				
1	Mobilization	1	LS	$10,000.00	$10,000.00
2	Maintenance of Traffic	1	LS	$10,000.00	$10,000.00
3	24" HDPE Drainage Pipe (Non. Perf.)	1,341	LF	$108.00	$144,828.00
4	Remove Existing Drainage Structure	4	EA	$2,206.74	$8,826.96
5	Drainage Manhole	4	EA	$7,923.77	$31,695.08
5	Pavement Restoration	1,200	SY	$54.00	$64,800.00
6	Restore/Restripe Pavement Markings	1	LS	$10,000.00	$10,000.00
7	Contingency (30%)	1	LS	$84,045.01	$84,045.01
				Subtotal	**$364,195.05**
	Additional Services				
1	Survey, Subsurface Utility Exploration (SUE) & Design Testing	1	LS	4.0%	$14,567.80
2	Professional Design Services & Permitting	1	LS	10.0%	$36,419.51
3	Construction Administration Services	1	LS	6.0%	$21,851.70
				Subtotal	**$72,839.01**
				TOTAL OPININION OF PROBABLE COST	**$437,034.06**

NOTES:

1 The quantities and unit prices are obtained from various sources (including contract bids for similar projects).
2 The unit prices are based on current construction costs (as of 6/12/21)
3 The locations and sizes of the existing utilities are based on best available information and cannot be guaranteed for their accuracy.
4 No utility coordination and/or relocation included in this estimate.
5 The quantities are based on the Proposed Exhibit (Scenerio 2)

Background Image: NETWORK DIAGRAM

---Unable to Generate Chart---

Simulation: 005Yr-001Hr

Scenario: Scenario 2
Run Date/Time: 6/13/2021 4:26:14 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.20 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 005Yr-024Hr

Scenario: Scenario 2
Run Date/Time: 6/13/2021 4:26:31 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	6.50 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 010Yr-024Hr

Scenario: Scenario 2
Run Date/Time: 6/13/2021 4:28:51 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~SCSIII-24
Rainfall Amount: 8.52 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 025Yr-072Hr

Scenario: Scenario 2
Run Date/Time: 6/13/2021 4:31:18 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.10 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100Yr-072Hr

Scenario: Scenario 2
Run Date/Time: 6/13/2021 4:37:45 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	17.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simple Basin: A1

Scenario:	Scenario 2
Node:	NZA-A1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7600 ac
Curve Number:	85.0

% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A2

Scenario:	Scenario 2
Node:	NZA-A2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A3

Scenario:	Scenario 2
Node:	NZA-A3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A4

Scenario:	Scenario 2
Node:	NZA-A4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA1

Scenario:	Scenario 2
Node:	NZA-AA1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA2

Scenario:	Scenario 2
Node:	NZA-AA2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA3

Scenario:	Scenario 2
Node:	NZA-AA3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA4

Scenario:	Scenario 2
Node:	NZA-AA4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA5

Scenario:	Scenario 2
Node:	NZA-AA5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B1

Scenario:	Scenario 2
Node:	NZA-B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B2

Scenario:	Scenario 2
Node:	NZA-B2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B3

Scenario:	Scenario 2
Node:	NZA-B3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B4

Scenario:	Scenario 2
Node:	NZA-B4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C1

Scenario:	Scenario 2
Node:	NZA-C1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C2

Scenario:	Scenario 2
Node:	NZA-C2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D1

Scenario:	Scenario 2
Node:	NZA-D1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D2

Scenario:	Scenario 2
Node:	NZA-D2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D3

Scenario:	Scenario 2
Node:	NZA-D3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D4

Scenario:	Scenario 2
Node:	NZA-D4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D5

Scenario:	Scenario 2
Node:	NZA-D5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.8200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D6

Scenario:	Scenario 2
Node:	NZA-D6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	9.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D7

Scenario:	Scenario 2
Node:	NZA-D7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E1

Scenario:	Scenario 2
Node:	NZA-E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E2

Scenario:	Scenario 2
Node:	NZA-E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E3

Scenario:	Scenario 2
Node:	NZA-E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E4

Scenario:	Scenario 2
Node:	NZA-E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E5

Scenario:	Scenario 2
Node:	NZA-E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E6

Scenario:	Scenario 2
Node:	NZA-E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E7

Scenario:	Scenario 2
Node:	NZA-E7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E8

Scenario:	Scenario 2
Node:	NZA-E8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F1

Scenario:	Scenario 2
Node:	NZA-F1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F2

Scenario:	Scenario 2
Node:	NZA-F2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F3

Scenario:	Scenario 2
Node:	NZA-F3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F4

Scenario:	Scenario 2
Node:	NZA-F4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F5

Scenario:	Scenario 2
Node:	NZA-F5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F6

Scenario:	Scenario 2
Node:	NZA-F6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F7

Scenario:	Scenario 2
Node:	NZA-F7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F8

Scenario:	Scenario 2
Node:	NZA-F8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F9

Scenario:	Scenario 2
Node:	NZA-F9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1A

Scenario:	Scenario 2
Node:	FDOT-1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1B

Scenario:	Scenario 2
Node:	FDOT-1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2A

Scenario:	Scenario 2
Node:	FDOT-2A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2B

Scenario:	Scenario 2
Node:	FDOT-2B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3A

Scenario:	Scenario 2
Node:	FDOT-3A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.5900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3B

Scenario:	Scenario 2
Node:	FDOT-3B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4A

Scenario:	Scenario 2
Node:	FDOT-4A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.3400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4B

Scenario:	Scenario 2
Node:	FDOT-4B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-5B

Scenario:	Scenario 2
Node:	FDOT-5B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G1

Scenario:	Scenario 2
Node:	NZA-G1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G2

Scenario:	Scenario 2
Node:	NZA-G2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G3

Scenario:	Scenario 2
Node:	NZA-G3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G4

Scenario:	Scenario 2
Node:	NZA-G4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G5

Scenario:	Scenario 2
Node:	NZA-G5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G6

Scenario:	Scenario 2
Node:	NZA-G6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G7

Scenario:	Scenario 2
Node:	NZA-G7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G8

Scenario:	Scenario 2
Node:	NZA-G8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G9

Scenario:	Scenario 2
Node:	NZA-G9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I1

Scenario:	Scenario 2
Node:	NZA-I1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I2

Scenario:	Scenario 2
Node:	NZA-I2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I3

Scenario:	Scenario 2
Node:	NZA-I3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I4

Scenario:	Scenario 2
Node:	NZA-I4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I5

Scenario:	Scenario 2
Node:	NZA-I5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I6

Scenario:	Scenario 2
Node:	NZA-I6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I7

Scenario:	Scenario 2
Node:	NZA-I7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: I8

Scenario: Scenario 2
Node: NZA-I8
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.9500 ac
Curve Number: 85.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: AQUIFER (89th)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (89th)	005Yr-001Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	005Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	010Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	025Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	100Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0

Node: AQUIFER (94th)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (94th)	005Yr-001Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	005Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	010Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	025Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	100Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0

Node: AQUIFER (CARLYLE)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0

Node: FDOT AQUIFER (94TH)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT AQUIFER (CARLYLE)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment: FDOT AQUIFER

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)							
FDOT AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT OUTFALL (94th)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT OUTFALL (CARLYLE)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT-1A

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6200	27007

Stage [ft]	Area [ac]	Area [ft2]
8.00	1.8900	82328

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-001Hr	4.86	4.49	0.0028	3.50	3.37	7171
FDOT-1A	005Yr-024Hr	4.86	4.87	0.0028	7.20	5.59	27111
FDOT-1A	010Yr-024Hr	4.86	5.16	0.0028	9.36	5.75	32312
FDOT-1A	025Yr-072Hr	4.86	5.41	0.0028	8.78	3.86	36704
FDOT-1A	100Yr-072Hr	4.86	5.83	0.0028	12.74	5.29	44181

Node: FDOT-1B

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.72	0.0001	4
5.22	0.4700	20473
8.00	0.8300	36155

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1B	005Yr-001Hr	5.22	4.50	0.0016	10.19	10.16	266
FDOT-1B	005Yr-024Hr	5.22	4.56	0.0016	12.76	12.76	267
FDOT-1B	010Yr-024Hr	5.22	4.89	0.0016	17.67	17.64	7099
FDOT-1B	025Yr-072Hr	5.22	5.38	-0.0019	21.09	19.31	21372
FDOT-1B	100Yr-072Hr	5.22	5.83	0.0017	28.40	20.23	23933

Node: FDOT-2A

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.44	0.0001	4
3.94	0.5100	22216
8.00	1.5000	65340

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2A	005Yr-001Hr	3.91	4.48	0.0077	13.44	3.44	27986
FDOT-2A	005Yr-024Hr	3.91	4.85	0.0077	12.34	8.38	31868
FDOT-2A	010Yr-024Hr	3.91	5.14	0.0077	16.59	10.84	34984
FDOT-2A	025Yr-072Hr	3.91	5.38	0.0077	20.27	13.41	37518
FDOT-2A	100Yr-072Hr	3.91	5.78	0.0077	27.64	15.14	41820

Node: FDOT-2B

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.21 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.71	0.0001	4
5.21	0.6200	27007
8.00	1.2300	53579

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2B	005Yr-001Hr	5.21	2.57	0.0177	38.33	33.15	196
FDOT-2B	005Yr-024Hr	5.21	2.83	0.0177	39.06	39.08	196
FDOT-2B	010Yr-024Hr	5.21	3.62	0.0177	47.47	47.42	196
FDOT-2B	025Yr-072Hr	5.21	4.23	0.0177	50.13	50.02	196
FDOT-2B	100Yr-072Hr	5.21	4.87	0.0177	53.39	53.20	8925

Node: FDOT-3A

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.38	0.0001	4
4.88	0.5500	23958
8.00	1.3500	58806

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3A	005Yr-001Hr	4.88	4.48	0.0225	28.26	9.60	4656
FDOT-3A	005Yr-024Hr	4.88	4.82	0.0225	28.26	14.48	21143
FDOT-3A	010Yr-024Hr	4.88	5.11	0.0225	28.26	14.90	26541
FDOT-3A	025Yr-072Hr	4.88	5.33	0.0225	28.26	16.03	28994
FDOT-3A	100Yr-072Hr	4.88	5.69	0.0225	28.26	22.52	32973

Node: FDOT-3B

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.40 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.99	0.0001	4
4.40	0.6200	27007
8.00	2.7300	118919

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3B	005Yr-001Hr	4.40	2.59	0.0099	9.92	7.18	100
FDOT-3B	005Yr-024Hr	4.40	2.87	0.0099	9.92	8.54	100
FDOT-3B	010Yr-024Hr	4.40	3.67	0.0099	11.85	11.80	100
FDOT-3B	025Yr-072Hr	4.40	4.29	0.0099	14.48	14.29	20040
FDOT-3B	100Yr-072Hr	4.40	4.94	0.0099	19.74	16.29	40895

Node: FDOT-4A

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.81	0.0001	4
4.31	0.3100	13504
8.00	1.2000	52272

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4A	005Yr-001Hr	4.18	4.47	-0.0275	12.69	28.26	15648
FDOT-4A	005Yr-024Hr	4.18	4.79	-0.0275	14.61	28.26	19070
FDOT-4A	010Yr-024Hr	4.18	5.08	-0.0275	21.38	28.26	22013
FDOT-4A	025Yr-072Hr	4.18	5.27	-0.0275	25.75	28.26	24035
FDOT-4A	100Yr-072Hr	4.18	5.57	-0.0275	32.85	29.66	27128

Node: FDOT-4B

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.40	0.0001	4
3.90	0.6300	27443
8.00	1.7500	76230

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4B	005Yr-001Hr	3.90	4.13	0.0008	10.65	0.31	30151
FDOT-4B	005Yr-024Hr	3.90	4.95	0.0002	9.95	4.42	39923
FDOT-4B	010Yr-024Hr	3.90	5.29	0.0003	12.27	7.03	43999
FDOT-4B	025Yr-072Hr	3.90	5.60	0.0002	15.00	6.52	47656
FDOT-4B	100Yr-072Hr	3.90	6.15	0.0002	20.45	7.62	54226

Node: FDOT-5B

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6600	28750
8.00	2.2300	97139

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-5B	005Yr-001Hr	4.86	4.14	0.0008	3.35	3.31	100
FDOT-5B	005Yr-024Hr	4.86	4.93	0.0002	6.20	6.46	30359
FDOT-5B	010Yr-024Hr	4.86	5.27	0.0003	8.98	9.55	37725
FDOT-5B	025Yr-072Hr	4.86	5.58	0.0002	9.38	9.92	44347
FDOT-5B	100Yr-072Hr	4.86	6.12	0.0002	13.37	10.63	56227

Node: NZA-A1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.60 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.10	0.0001	4
3.60	0.5200	22651
8.00	1.3600	59242

Comment: As-built Structure D-195

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A1	005Yr-001Hr	3.60	3.20	-0.0006	10.72	10.40	4607
NZA-A1	005Yr-024Hr	3.60	3.78	-0.0026	16.90	14.77	24192
NZA-A1	010Yr-024Hr	3.60	4.19	-0.0029	28.64	28.14	27544
NZA-A1	025Yr-072Hr	3.60	4.35	-0.0030	38.54	37.44	28873
NZA-A1	100Yr-072Hr	3.60	4.65	-0.0022	53.39	51.80	31368

Node: NZA-A2

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4800	20909
8.00	1.6200	70567

Comment: AS-BUILT INLET CA-95

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A2	005Yr-001Hr	4.24	4.27	0.0005	9.90	4.77	21369
NZA-A2	005Yr-024Hr	4.24	4.87	-0.0008	13.81	12.70	29232
NZA-A2	010Yr-024Hr	4.24	5.04	-0.0008	23.34	21.28	31483
NZA-A2	025Yr-072Hr	4.24	5.14	-0.0008	30.63	28.61	32830
NZA-A2	100Yr-072Hr	4.24	5.40	-0.0008	43.44	42.37	36171

Node: NZA-A3

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.95	0.0001	4
4.45	0.6200	27007
8.00	2.2100	96268

Comment: AS-BUILT STRUCTURE BY95

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A3	005Yr-001Hr	4.45	4.53	0.0007	10.45	3.13	28573
NZA-A3	005Yr-024Hr	4.45	4.95	-0.0007	12.57	8.02	36773
NZA-A3	010Yr-024Hr	4.45	5.07	0.0006	17.47	12.88	39205
NZA-A3	025Yr-072Hr	4.45	5.17	0.0006	21.62	17.06	41144
NZA-A3	100Yr-072Hr	4.45	5.70	0.0006	35.53	31.38	51322

Node: NZA-A4

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.6400	27878
8.00	2.2900	99752

Comment: As-built Structrure AB95

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A4	005Yr-001Hr	4.80	4.50	0.0007	14.99	14.36	11361
NZA-A4	005Yr-024Hr	4.80	5.09	-0.0007	12.17	10.82	34339
NZA-A4	010Yr-024Hr	4.80	5.21	-0.0007	16.70	9.63	37140
NZA-A4	025Yr-072Hr	4.80	5.37	-0.0007	19.80	13.40	40793
NZA-A4	100Yr-072Hr	4.80	5.81	-0.0007	35.28	22.05	50673

Node: NZA-AA1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1000	4356
8.00	0.4000	17424

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA1	005Yr-001Hr	4.00	3.09	0.0010	11.20	11.20	308
NZA-AA1	005Yr-024Hr	4.00	3.21	0.0010	13.27	13.26	308
NZA-AA1	010Yr-024Hr	4.00	3.45	0.0010	17.51	17.50	308
NZA-AA1	025Yr-072Hr	4.00	3.58	0.0010	20.03	20.02	990
NZA-AA1	100Yr-072Hr	4.00	3.79	0.0010	24.38	24.35	2804

Node: NZA-AA2

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.0900	3920
8.00	0.4000	17424

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA2	005Yr-001Hr	4.00	3.17	0.0010	9.05	9.04	381
NZA-AA2	005Yr-024Hr	4.00	3.30	0.0010	10.67	10.66	381
NZA-AA2	010Yr-024Hr	4.00	3.55	0.0010	13.99	14.00	755
NZA-AA2	025Yr-072Hr	4.00	3.69	0.0010	15.97	16.01	1816
NZA-AA2	100Yr-072Hr	4.00	3.91	0.0010	19.33	19.42	3542

Node: NZA-AA3

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.5200	22651
8.00	1.0800	47045

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA3	005Yr-001Hr	4.00	3.22	0.0026	7.04	7.02	327
NZA-AA3	005Yr-024Hr	4.00	3.35	0.0026	8.25	8.23	328
NZA-AA3	010Yr-024Hr	4.00	3.60	0.0026	10.80	10.78	4896
NZA-AA3	025Yr-072Hr	4.00	3.74	0.0026	12.61	12.39	11286
NZA-AA3	100Yr-072Hr	4.00	3.98	0.0026	15.96	15.08	21782

Node: NZA-AA4

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1300	5663
8.00	0.7900	34412

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA4	005Yr-001Hr	4.00	3.22	0.0044	18.47	6.17	375
NZA-AA4	005Yr-024Hr	4.00	3.36	0.0044	18.47	6.17	375
NZA-AA4	010Yr-024Hr	4.00	3.62	0.0044	18.47	7.75	1518
NZA-AA4	025Yr-072Hr	4.00	3.76	0.0044	18.47	8.89	3155
NZA-AA4	100Yr-072Hr	4.00	4.00	0.0044	18.47	10.92	5841

Node: NZA-AA5

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1200	5227
8.00	0.4300	18731

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA5	005Yr-001Hr	4.00	3.50	-0.0066	3.27	19.35	404
NZA-AA5	005Yr-024Hr	4.00	3.50	-0.0066	3.71	19.35	404
NZA-AA5	010Yr-024Hr	4.00	3.63	-0.0066	4.71	19.35	1503
NZA-AA5	025Yr-072Hr	4.00	3.77	-0.0066	5.61	19.35	3019
NZA-AA5	100Yr-072Hr	4.00	4.01	-0.0066	7.32	19.35	5427

Node: NZA-AA7

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4700	20473
8.00	0.8800	38333

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA7	005Yr-001Hr	8.00	4.49	0.0007	14.36	0.00	22643
NZA-AA7	005Yr-024Hr	8.00	5.09	-0.0020	10.71	3.18	25328
NZA-AA7	010Yr-024Hr	8.00	5.21	-0.0017	8.80	2.93	25884
NZA-AA7	025Yr-072Hr	8.00	5.37	-0.0014	8.50	2.52	26610
NZA-AA7	100Yr-072Hr	8.00	5.81	-0.0002	11.25	4.23	28574

Node: NZA-B1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.17 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.67	0.0001	4
4.17	0.7000	30492
8.00	1.9500	84942

Comment: As-built Structure EX-280

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B1	005Yr-001Hr	4.17	2.84	-0.0055	32.48	33.67	100
NZA-B1	005Yr-024Hr	4.17	3.13	-0.0059	36.76	37.32	100
NZA-B1	010Yr-024Hr	4.17	3.75	-0.0059	40.53	40.31	4688
NZA-B1	025Yr-072Hr	4.17	4.14	-0.0058	50.22	49.35	28554
NZA-B1	100Yr-072Hr	4.17	4.64	-0.0069	81.62	80.34	37272

Node: NZA-B2

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.73 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.23	0.0001	4
4.73	0.5200	22651
8.00	1.6900	73616

Comment: As-built Structure EX-283

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B2	005Yr-001Hr	4.73	3.16	-0.0040	15.85	16.36	100
NZA-B2	005Yr-024Hr	4.73	3.61	-0.0044	19.33	19.68	100
NZA-B2	010Yr-024Hr	4.73	4.47	-0.0045	24.26	22.82	10938
NZA-B2	025Yr-072Hr	4.73	4.76	-0.0044	30.70	29.21	23093
NZA-B2	100Yr-072Hr	4.73	5.05	-0.0045	42.85	41.37	27624

Node: NZA-B3

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.83 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.33	0.0001	4
4.83	0.5500	23958
8.00	1.0800	47045

Comment: As-built Structure EX-291

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B3	005Yr-001Hr	4.83	3.37	-0.0029	6.95	7.04	100
NZA-B3	005Yr-024Hr	4.83	3.92	-0.0034	8.50	8.64	100
NZA-B3	010Yr-024Hr	4.83	4.71	-0.0034	12.17	12.67	18088
NZA-B3	025Yr-072Hr	4.83	4.88	-0.0036	16.58	16.26	24328
NZA-B3	100Yr-072Hr	4.83	5.23	-0.0043	27.82	27.12	26903

Node: NZA-B4

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3400	14810
8.00	1.4300	62291

Comment: AS-BUILT STRUCTURE EX-295

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B4	005Yr-001Hr	4.80	3.40	-0.0031	21.70	21.68	300
NZA-B4	005Yr-024Hr	4.80	3.95	-0.0031	25.32	25.43	300
NZA-B4	010Yr-024Hr	4.80	4.82	-0.0036	32.25	33.91	15135
NZA-B4	025Yr-072Hr	4.80	5.36	-0.0068	36.23	39.16	23090
NZA-B4	100Yr-072Hr	4.80	5.81	-0.0083	42.56	43.14	29786

Node: NZA-C1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.6800	29621
8.00	2.1100	91912

Comment: As-built Structure EX-280

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C1	005Yr-001Hr	4.44	3.89	-0.0007	6.93	6.99	100
NZA-C1	005Yr-024Hr	4.44	4.33	-0.0012	8.34	7.52	23399
NZA-C1	010Yr-024Hr	4.44	4.91	-0.0020	12.05	7.70	37803
NZA-C1	025Yr-072Hr	4.44	5.16	-0.0022	16.42	15.50	42157
NZA-C1	100Yr-072Hr	4.44	5.39	-0.0022	29.52	29.27	46342

Node: NZA-C2

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 5.78 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
5.28	0.0001	4
5.78	0.5000	21780
8.00	1.3900	60548

Comment: AS-BUILT STRUCTURE EX-404.

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C2	005Yr-001Hr	5.78	4.13	0.0005	9.50	9.43	596
NZA-C2	005Yr-024Hr	5.78	4.90	-0.0015	12.61	12.67	596
NZA-C2	010Yr-024Hr	5.78	5.54	-0.0012	15.64	15.33	11406
NZA-C2	025Yr-072Hr	5.78	5.88	-0.0023	19.12	15.77	23551
NZA-C2	100Yr-072Hr	5.78	6.11	-0.0021	26.07	21.95	27489

Node: NZA-CS-01

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-01	005Yr-001Hr	8.00	2.01	-0.0179	33.67	36.61	100
NZA-CS-01	005Yr-024Hr	8.00	2.02	0.0189	37.32	38.46	100
NZA-CS-01	010Yr-024Hr	8.00	2.10	0.0199	40.31	40.35	100
NZA-CS-01	025Yr-072Hr	8.00	2.28	0.0198	42.86	42.90	100
NZA-CS-01	100Yr-072Hr	8.00	2.46	0.0196	46.49	46.53	100

Node: NZA-CS-02

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.83	0.0010	44

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-02	005Yr-001Hr	8.00	2.01	-0.0147	23.59	28.26	100
NZA-CS-02	005Yr-024Hr	8.00	2.01	0.0152	26.72	29.84	100
NZA-CS-02	010Yr-024Hr	8.00	2.02	0.0170	33.02	33.08	100
NZA-CS-02	025Yr-072Hr	8.00	2.22	0.0169	35.38	35.44	100
NZA-CS-02	100Yr-072Hr	8.00	2.35	0.0170	37.70	37.77	100

Node: NZA-CS-03

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-03	005Yr-001Hr	8.00	3.41	0.0003	25.71	25.69	100
NZA-CS-03	005Yr-024Hr	8.00	3.91	0.0008	31.34	31.34	100
NZA-CS-03	010Yr-024Hr	8.00	4.39	0.0009	35.90	35.90	100
NZA-CS-03	025Yr-072Hr	8.00	4.52	-0.0011	36.98	36.98	100
NZA-CS-03	100Yr-072Hr	8.00	4.82	-0.0009	39.49	39.49	100

Node: NZA-CS-04

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0010	44

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	005Yr-001Hr	8.00	2.50	-0.0005	6.74	6.74	100
NZA-CS-04	005Yr-024Hr	8.00	2.72	-0.0007	8.31	8.32	100
NZA-CS-04	010Yr-024Hr	8.00	2.90	-0.0007	9.14	9.14	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	025Yr-072Hr	8.00	2.98	-0.0007	9.41	9.41	100
NZA-CS-04	100Yr-072Hr	8.00	3.13	-0.0007	9.92	9.92	100

Node: NZA-CS-05

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-05	005Yr-001Hr	8.00	2.98	0.0005	11.19	11.19	100
NZA-CS-05	005Yr-024Hr	8.00	4.45	-0.0014	15.23	15.18	100
NZA-CS-05	010Yr-024Hr	8.00	4.63	-0.0015	15.44	15.38	100
NZA-CS-05	025Yr-072Hr	8.00	4.84	-0.0016	15.61	15.52	100
NZA-CS-05	100Yr-072Hr	8.00	5.13	-0.0015	15.72	15.63	100

Node: NZA-CS-TOWN

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.15	0.0010	44

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-TOWN	005Yr-001Hr	8.00	2.94	0.0010	11.20	11.20	341
NZA-CS-TOWN	005Yr-024Hr	8.00	3.05	0.0010	13.26	13.26	343
NZA-CS-TOWN	010Yr-024Hr	8.00	3.27	0.0010	17.50	17.50	344
NZA-CS-TOWN	025Yr-072Hr	8.00	3.38	0.0010	20.02	20.02	344
NZA-CS-TOWN	100Yr-072Hr	8.00	3.57	0.0010	24.35	24.35	344

Node: NZA-D1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4400	19166
8.00	1.1600	50530

Comment: AS-BUILT STRUCTURE EX-271

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D1	005Yr-001Hr	3.56	3.01	0.0005	13.68	13.67	100
NZA-D1	005Yr-024Hr	3.56	4.50	-0.0019	30.04	27.28	25838
NZA-D1	010Yr-024Hr	3.56	4.68	-0.0020	43.41	34.98	27079
NZA-D1	025Yr-072Hr	3.56	4.89	-0.0023	49.10	39.45	28571
NZA-D1	100Yr-072Hr	3.56	5.18	-0.0022	53.98	43.21	30655

Node: NZA-D2

Scenario: Scenario 2

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.62 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.12	0.0001	4
3.62	0.4900	21344
8.00	1.4700	64033

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D2	005Yr-001Hr	3.62	3.74	0.0005	17.02	9.94	22507
NZA-D2	005Yr-024Hr	3.62	4.61	0.0010	31.94	29.94	31030
NZA-D2	010Yr-024Hr	3.62	4.93	0.0010	45.55	40.00	34151
NZA-D2	025Yr-072Hr	3.62	5.17	0.0010	53.00	44.07	36439
NZA-D2	100Yr-072Hr	3.62	5.53	0.0010	60.01	59.41	39981

Node: NZA-D3

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.98 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.48	0.0001	4
3.98	0.4700	20473
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE EX-263

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D3	005Yr-001Hr	3.98	3.96	0.0006	8.60	4.42	19802
NZA-D3	005Yr-024Hr	3.98	4.70	-0.0020	24.74	24.05	28636
NZA-D3	010Yr-024Hr	3.98	5.20	-0.0022	37.23	31.56	34274
NZA-D3	025Yr-072Hr	3.98	5.51	-0.0019	44.01	35.32	37673
NZA-D3	100Yr-072Hr	3.98	6.00	-0.0016	46.09	42.21	43244

Node: NZA-D4

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.16 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.66	0.0001	4
4.16	0.9400	40946
8.00	2.5700	111949

Comment: AS-BUILT STRUCTURE EX-258

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D4	005Yr-001Hr	4.16	4.27	0.0008	13.60	2.29	42980
NZA-D4	005Yr-024Hr	4.16	5.00	-0.0028	24.17	20.69	56542
NZA-D4	010Yr-024Hr	4.16	5.44	-0.0026	37.82	27.15	64691
NZA-D4	025Yr-072Hr	4.16	5.81	0.0002	45.83	30.41	71409
NZA-D4	100Yr-072Hr	4.16	6.41	0.0002	57.57	35.76	82479

Node: NZA-D5

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.9400	40946
8.00	1.5200	66211

Comment: AS-BUILT STRUCTURE EX-253

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D5	005Yr-001Hr	4.46	4.60	0.0009	15.06	2.34	41973
NZA-D5	005Yr-024Hr	4.46	5.02	-0.0012	18.11	14.47	44949
NZA-D5	010Yr-024Hr	4.46	5.57	-0.0011	35.76	23.71	48900
NZA-D5	025Yr-072Hr	4.46	5.97	0.0002	43.49	23.98	51760
NZA-D5	100Yr-072Hr	4.46	6.62	0.0002	53.35	26.70	56338

Node: NZA-D6

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.48 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.98	0.0001	4
4.48	1.0400	45302
8.00	1.9600	85378

Comment: AS-BUILT STRUCTURE EX-249

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D6	005Yr-001Hr	4.48	4.57	0.0009	15.79	5.72	46305
NZA-D6	005Yr-024Hr	4.48	5.14	-0.0008	19.26	12.04	52855
NZA-D6	010Yr-024Hr	4.48	5.61	-0.0006	27.41	17.05	58174
NZA-D6	025Yr-072Hr	4.48	6.03	-0.0005	35.83	14.82	62901
NZA-D6	100Yr-072Hr	4.48	6.67	0.0002	45.94	13.50	70210

Node: NZA-D7

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.90	0.5900	25700
8.00	1.9200	83635

Comment: AS-BUILT STRUCTURE EX-HG92

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D7	005Yr-001Hr	3.90	4.13	0.0005	15.69	5.54	28950
NZA-D7	005Yr-024Hr	3.90	5.14	-0.0037	28.52	10.71	43235
NZA-D7	010Yr-024Hr	3.90	5.61	-0.0038	39.70	10.86	49902
NZA-D7	025Yr-072Hr	3.90	6.03	-0.0032	38.98	11.60	55787
NZA-D7	100Yr-072Hr	3.90	6.67	-0.0033	32.15	11.94	64794

Node: NZA-DS1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.20	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS1	005Yr-001Hr	8.00	1.60	0.0000	0.04	0.00	100
NZA-DS1	005Yr-024Hr	8.00	1.60	0.0001	0.06	0.00	100
NZA-DS1	010Yr-024Hr	8.00	1.60	-0.0001	0.71	0.81	100
NZA-DS1	025Yr-072Hr	8.00	1.60	-0.0002	3.26	3.40	100
NZA-DS1	100Yr-072Hr	8.00	1.60	0.0002	6.89	7.00	100

Node: NZA-DS2

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.86	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS2	005Yr-001Hr	8.00	1.60	0.0000	0.02	0.00	100
NZA-DS2	005Yr-024Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS2	010Yr-024Hr	8.00	1.60	0.0001	0.06	0.00	100
NZA-DS2	025Yr-072Hr	8.00	1.60	-0.0001	2.38	2.53	100
NZA-DS2	100Yr-072Hr	8.00	1.60	0.0002	4.70	4.80	100

Node: NZA-DS3

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.90	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS3	005Yr-001Hr	8.00	1.61	-0.0015	25.69	25.75	100
NZA-DS3	005Yr-024Hr	8.00	1.62	-0.0020	31.34	31.37	100
NZA-DS3	010Yr-024Hr	8.00	1.62	-0.0020	35.90	35.93	100
NZA-DS3	025Yr-072Hr	8.00	1.62	-0.0020	36.98	37.00	100
NZA-DS3	100Yr-072Hr	8.00	1.63	-0.0020	39.49	39.50	100

Node: NZA-E1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.5100	22216
8.00	1.8400	80150

Comment: AS-BUILT STRUCTURE BA91

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E1	005Yr-001Hr	4.18	2.68	0.0005	24.94	24.94	100
NZA-E1	005Yr-024Hr	4.18	3.27	-0.0009	43.14	43.14	100
NZA-E1	010Yr-024Hr	4.18	4.27	-0.0009	59.84	58.94	23628
NZA-E1	025Yr-072Hr	4.18	4.74	-0.0009	71.61	65.52	30681
NZA-E1	100Yr-072Hr	4.18	5.02	-0.0009	91.30	91.21	34992

Node: NZA-E2

Scenario: Scenario 2

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4500	19602
8.00	1.4400	62726

Comment: AS-BUILT STRUCTURE EX-180

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E2	005Yr-001Hr	4.24	3.58	0.0005	15.31	15.31	100
NZA-E2	005Yr-024Hr	4.24	4.49	-0.0011	26.94	26.32	22449
NZA-E2	010Yr-024Hr	4.24	4.73	-0.0013	36.12	34.86	25283
NZA-E2	025Yr-072Hr	4.24	4.98	-0.0017	41.91	40.44	28122
NZA-E2	100Yr-072Hr	4.24	5.34	-0.0015	50.65	45.03	32265

Node: NZA-E3

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.15	0.0001	4
4.65	0.4600	20038
8.00	1.4500	63162

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E3	005Yr-001Hr	4.65	3.91	0.0006	12.99	12.97	100
NZA-E3	005Yr-024Hr	4.65	4.61	-0.0008	27.02	26.03	18575
NZA-E3	010Yr-024Hr	4.65	4.93	-0.0008	39.42	35.78	23696
NZA-E3	025Yr-072Hr	4.65	5.17	-0.0008	45.74	38.63	26756
NZA-E3	100Yr-072Hr	4.65	5.56	-0.0008	49.05	42.55	31760

Node: NZA-E4

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.4600	20038
8.00	1.4900	64904

Comment: AS-BUILT STRUCTURE EX-191

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E4	005Yr-001Hr	4.46	4.34	-0.0042	13.93	7.31	15183
NZA-E4	005Yr-024Hr	4.46	4.82	-0.0043	23.02	22.76	24669
NZA-E4	010Yr-024Hr	4.46	5.11	-0.0043	32.96	30.12	28302
NZA-E4	025Yr-072Hr	4.46	5.38	-0.0044	38.59	31.81	31759
NZA-E4	100Yr-072Hr	4.46	5.87	-0.0045	42.48	35.89	37977

Node: NZA-E5

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.59 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.09	0.0001	4
4.59	0.4600	20038
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE DI91

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E5	005Yr-001Hr	4.59	4.34	0.0045	7.10	12.57	10073
NZA-E5	005Yr-024Hr	4.59	4.84	0.0043	19.10	19.02	23412
NZA-E5	010Yr-024Hr	4.59	5.12	0.0043	26.58	23.99	27169
NZA-E5	025Yr-072Hr	4.59	5.40	0.0045	31.08	25.79	30891
NZA-E5	100Yr-072Hr	4.59	5.89	0.0046	34.98	30.00	37547

Node: NZA-E6

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.72	0.0001	4
4.22	0.4700	20473
8.00	1.4700	64033

Comment: AS-BUILT STRUCTURE EX-CA91

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E6	005Yr-001Hr	4.22	4.34	0.0007	10.29	5.07	21847
NZA-E6	005Yr-024Hr	4.22	4.87	-0.0021	15.33	15.39	27949
NZA-E6	010Yr-024Hr	4.22	5.18	-0.0021	20.69	20.44	31528
NZA-E6	025Yr-072Hr	4.22	5.47	-0.0016	24.32	21.70	34849
NZA-E6	100Yr-072Hr	4.22	5.98	-0.0017	29.31	24.88	40800

Node: NZA-E7

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.06 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.56	0.0001	4
4.06	0.4500	19602
8.00	1.3500	58806

Comment: AS-BUILT STRUCTURE EX-215

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E7	005Yr-001Hr	4.06	4.34	0.0005	11.73	2.30	22363
NZA-E7	005Yr-024Hr	4.06	4.91	-0.0024	15.86	12.05	28033
NZA-E7	010Yr-024Hr	4.06	5.23	-0.0023	22.09	15.78	31240
NZA-E7	025Yr-072Hr	4.06	5.53	-0.0018	21.45	17.05	34196
NZA-E7	100Yr-072Hr	4.06	6.06	-0.0019	23.98	19.97	39495

Node: NZA-E8

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4500	19602
8.00	1.3300	57935

Comment: AS-BUILT STRUCTURE EX-AB91

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E8	005Yr-001Hr	4.00	4.22	0.0006	7.98	1.11	21728
NZA-E8	005Yr-024Hr	4.00	4.93	-0.0014	17.36	9.94	28518
NZA-E8	010Yr-024Hr	4.00	5.26	-0.0013	22.69	11.74	31672
NZA-E8	025Yr-072Hr	4.00	5.56	-0.0011	17.62	12.87	34568
NZA-E8	100Yr-072Hr	4.00	6.10	0.0003	19.45	15.31	39760

Node: NZA-F1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 2.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
2.41	0.0001	4
2.91	0.4700	20473
8.00	1.3100	57064

Comment: AS-BUILT STRUCTURE EX-114

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F1	005Yr-001Hr	2.91	2.99	0.0005	8.05	2.44	21098
NZA-F1	005Yr-024Hr	2.91	3.46	0.0009	9.43	6.21	24405
NZA-F1	010Yr-024Hr	2.91	4.33	0.0009	12.81	8.10	30725
NZA-F1	025Yr-072Hr	2.91	4.74	0.0009	16.90	15.01	33638
NZA-F1	100Yr-072Hr	2.91	5.19	0.0009	36.54	23.77	36884

Node: NZA-F2

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.08 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.58	0.0001	4
4.08	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-119

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F2	005Yr-001Hr	4.08	3.83	0.0005	5.40	4.25	6706
NZA-F2	005Yr-024Hr	4.08	4.18	-0.0011	8.77	8.43	14254
NZA-F2	010Yr-024Hr	4.08	4.35	-0.0009	16.79	16.66	15521
NZA-F2	025Yr-072Hr	4.08	4.77	-0.0009	27.75	25.96	18682
NZA-F2	100Yr-072Hr	4.08	5.27	-0.0007	40.23	36.43	22387

Node: NZA-F3

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.96 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.46	0.0001	4
3.96	0.4200	18295
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 123

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F3	005Yr-001Hr	3.96	4.04	0.0005	6.45	1.79	19104
NZA-F3	005Yr-024Hr	3.96	4.40	-0.0015	7.76	5.11	23014
NZA-F3	010Yr-024Hr	3.96	4.59	-0.0016	13.85	13.66	24979
NZA-F3	025Yr-072Hr	3.96	4.90	-0.0015	23.33	22.65	28319
NZA-F3	100Yr-072Hr	3.96	5.50	-0.0012	40.66	28.78	34773

Node: NZA-F4

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.61 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.11	0.0001	4
3.61	0.4500	19602
8.00	1.4500	63162

Comment: EX.AS-BUILT STRUCTURE 126

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F4	005Yr-001Hr	3.61	3.82	0.0006	7.80	1.01	21736
NZA-F4	005Yr-024Hr	3.61	4.86	0.0001	9.12	2.85	32049
NZA-F4	010Yr-024Hr	3.61	5.05	0.0001	12.27	9.59	33912
NZA-F4	025Yr-072Hr	3.61	5.18	0.0001	19.48	19.18	35187
NZA-F4	100Yr-072Hr	3.61	5.64	0.0001	36.94	31.66	39797

Node: NZA-F5

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.38	0.0001	4
3.88	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 131

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F5	005Yr-001Hr	3.88	3.94	0.0006	6.96	2.14	20247
NZA-F5	005Yr-024Hr	3.88	4.91	-0.0001	8.30	2.69	30027
NZA-F5	010Yr-024Hr	3.88	5.20	0.0001	13.72	4.92	33015
NZA-F5	025Yr-072Hr	3.88	5.37	0.0002	13.82	12.58	34682
NZA-F5	100Yr-072Hr	3.88	5.76	0.0001	27.07	23.24	38694

Node: NZA-F6

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.15	0.0001	4
3.65	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 135

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F6	005Yr-001Hr	3.65	3.95	0.0006	8.02	0.91	22485
NZA-F6	005Yr-024Hr	3.65	4.90	0.0002	9.06	5.21	31602
NZA-F6	010Yr-024Hr	3.65	5.20	0.0001	17.99	7.41	34529
NZA-F6	025Yr-072Hr	3.65	5.38	-0.0002	15.62	7.86	36215
NZA-F6	100Yr-072Hr	3.65	5.80	0.0001	22.71	14.71	40268

Node: NZA-F7

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.29 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.79	0.0001	4
4.29	0.4400	19166
8.00	1.4700	64033

Comment: EX.AS-BUILT STRUCTURE 141

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F7	005Yr-001Hr	4.29	4.26	0.0005	6.62	3.01	18048
NZA-F7	005Yr-024Hr	4.29	4.89	-0.0003	8.03	8.01	26460
NZA-F7	010Yr-024Hr	4.29	5.20	-0.0002	14.81	11.86	30131
NZA-F7	025Yr-072Hr	4.29	5.38	-0.0001	15.38	12.44	32346
NZA-F7	100Yr-072Hr	4.29	5.81	0.0001	27.78	16.63	37519

Node: NZA-F8

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.4400	19166
8.00	1.4600	63598

Comment: EX.AS-BUILT STRUCTURE 142

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F8	005Yr-001Hr	4.44	4.13	0.0003	8.36	8.09	7184
NZA-F8	005Yr-024Hr	4.44	4.88	0.0001	12.88	12.99	24665
NZA-F8	010Yr-024Hr	4.44	5.17	0.0001	18.24	17.05	28302
NZA-F8	025Yr-072Hr	4.44	5.37	0.0001	21.77	17.81	30796
NZA-F8	100Yr-072Hr	4.44	5.80	0.0001	35.92	18.90	36214

Node: NZA-F9

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.27 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.77	0.0001	4
4.27	0.3600	15682
8.00	1.1200	48787

Comment: EX.AS-BUILT STRUCTURE 148

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F9	005Yr-001Hr	4.27	4.28	0.0005	4.92	1.70	15812
NZA-F9	005Yr-024Hr	4.27	4.88	-0.0018	5.91	2.89	21125
NZA-F9	010Yr-024Hr	4.27	5.17	-0.0018	11.08	6.57	23697
NZA-F9	025Yr-072Hr	4.27	5.38	-0.0016	15.82	7.48	25517
NZA-F9	100Yr-072Hr	4.27	5.81	-0.0014	18.19	6.53	29377

Node: NZA-G1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.81 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.31	0.0001	4
3.81	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-166

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G1	005Yr-001Hr	3.81	3.00	-0.0006	3.59	3.69	100
NZA-G1	005Yr-024Hr	3.81	3.43	0.0009	4.55	4.64	3371
NZA-G1	010Yr-024Hr	3.81	4.33	0.0009	5.99	6.25	17105
NZA-G1	025Yr-072Hr	3.81	4.74	0.0009	12.86	11.75	19959
NZA-G1	100Yr-072Hr	3.81	5.19	0.0009	19.67	12.55	23156

Node: NZA-G2

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.6800	29621
8.00	2.2400	97574

Comment: EX.AS-BUILT STRUCTURE 108

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G2	005Yr-001Hr	4.00	2.78	-0.0043	24.76	26.15	100
NZA-G2	005Yr-024Hr	4.00	3.10	-0.0043	28.37	29.36	100
NZA-G2	010Yr-024Hr	4.00	3.99	-0.0043	40.04	38.29	28955
NZA-G2	025Yr-072Hr	4.00	4.72	-0.0075	56.10	54.67	41963
NZA-G2	100Yr-072Hr	4.00	5.19	-0.0065	74.39	58.67	49916

Node: NZA-G3

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.20 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.70	0.0001	4
4.20	0.4000	17424
8.00	1.2500	54450

Comment: EX.AS-BUILT STRUCTURE 105

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G3	005Yr-001Hr	4.20	3.64	-0.0027	14.31	14.50	100
NZA-G3	005Yr-024Hr	4.20	3.95	-0.0028	15.93	15.34	8727
NZA-G3	010Yr-024Hr	4.20	4.42	-0.0028	20.56	20.11	19557
NZA-G3	025Yr-072Hr	4.20	4.90	-0.0037	32.28	29.47	24269
NZA-G3	100Yr-072Hr	4.20	5.45	-0.0044	50.62	37.75	29658

Node: NZA-G4

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3800	16553
8.00	0.9600	41818

Comment: EX.AS-BUILT STRUCTURE 101

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G4	005Yr-001Hr	4.80	3.96	0.0004	8.91	8.95	506
NZA-G4	005Yr-024Hr	4.80	4.33	-0.0008	10.16	10.23	1017
NZA-G4	010Yr-024Hr	4.80	4.92	-0.0011	15.96	15.79	17529
NZA-G4	025Yr-072Hr	4.80	5.16	-0.0012	26.66	25.94	19448
NZA-G4	100Yr-072Hr	4.80	5.63	-0.0014	39.54	37.08	23147

Node: NZA-G5

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.3900	16988
8.00	1.1100	48352

Comment: EX.AS-BUILT STRUCTURE 95

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G5	005Yr-001Hr	4.46	4.25	0.0004	5.73	4.50	10019
NZA-G5	005Yr-024Hr	4.46	4.85	-0.0042	9.18	7.88	20477
NZA-G5	010Yr-024Hr	4.46	5.11	-0.0042	12.74	11.51	22730
NZA-G5	025Yr-072Hr	4.46	5.25	-0.0044	18.49	18.25	23998
NZA-G5	100Yr-072Hr	4.46	5.72	-0.0041	26.90	22.45	28149

Node: NZA-G6

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.42 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.92	0.0001	4
4.42	0.3600	15682
8.00	1.1400	49658

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G6	005Yr-001Hr	4.42	4.27	0.0004	4.76	3.19	11139
NZA-G6	005Yr-024Hr	4.42	4.86	-0.0007	7.59	5.23	19831
NZA-G6	010Yr-024Hr	4.42	5.13	-0.0007	11.17	7.80	22394
NZA-G6	025Yr-072Hr	4.42	5.31	-0.0008	13.43	13.27	24118
NZA-G6	100Yr-072Hr	4.42	5.76	-0.0006	19.92	14.18	28456

Node: NZA-G7

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.19 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.69	0.0001	4
4.19	0.4600	20038
8.00	1.5200	66211

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G7	005Yr-001Hr	4.19	4.38	0.0009	7.07	0.00	22304
NZA-G7	005Yr-024Hr	4.19	4.86	0.0003	8.50	8.01	28139
NZA-G7	010Yr-024Hr	4.19	5.13	0.0003	14.06	10.89	31450
NZA-G7	025Yr-072Hr	4.19	5.33	0.0003	15.89	11.95	33869
NZA-G7	100Yr-072Hr	4.19	5.78	0.0003	24.18	11.08	39297

Node: NZA-G8

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.3300	14375
8.00	0.9800	42689

Comment: EX.AS-BUILT STRUCTURE 80

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G8	005Yr-001Hr	4.18	4.12	0.0003	19.79	16.36	12728
NZA-G8	005Yr-024Hr	4.18	4.86	0.0001	22.28	17.86	19428
NZA-G8	010Yr-024Hr	4.18	5.13	0.0001	27.77	25.58	21459
NZA-G8	025Yr-072Hr	4.18	5.33	-0.0001	32.97	30.41	22975
NZA-G8	100Yr-072Hr	4.18	5.78	-0.0001	40.79	32.38	26258

Node: NZA-G9

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.84 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.34	0.0001	4
4.84	0.4100	17860
8.00	1.3500	58806

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G9	005Yr-001Hr	4.84	4.47	0.0003	7.59	6.30	4781
NZA-G9	005Yr-024Hr	4.84	4.86	-0.0002	8.42	7.07	18104
NZA-G9	010Yr-024Hr	4.84	5.14	0.0002	12.97	10.82	21753
NZA-G9	025Yr-072Hr	4.84	5.34	0.0002	16.59	12.74	24359
NZA-G9	100Yr-072Hr	4.84	5.79	-0.0002	19.41	12.85	30128

Node: NZA-I1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.72 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.22	0.0001	4
3.72	0.2300	10019
8.00	2.0000	87120

Comment: As-built Structure EX-2011

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I1	005Yr-001Hr	3.72	2.45	-0.0012	6.75	6.68	100
NZA-I1	005Yr-024Hr	3.72	2.75	-0.0013	14.48	14.43	100
NZA-I1	010Yr-024Hr	3.72	3.24	-0.0013	22.19	22.18	353
NZA-I1	025Yr-072Hr	3.72	4.69	-0.0090	35.33	29.02	27456
NZA-I1	100Yr-072Hr	3.72	5.14	-0.0100	46.41	34.05	35600

Node: NZA-I2

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.95	0.2900	12632
8.00	0.9600	41818

Comment: As-built Structure EX-2013

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I2	005Yr-001Hr	3.95	3.82	0.0004	3.72	1.70	9624
NZA-I2	005Yr-024Hr	3.95	4.29	-0.0012	10.04	9.76	15052
NZA-I2	010Yr-024Hr	3.95	4.41	-0.0012	16.32	15.90	15937
NZA-I2	025Yr-072Hr	3.95	4.73	-0.0011	21.05	20.58	18280
NZA-I2	100Yr-072Hr	3.95	5.25	-0.0009	29.77	29.35	22028

Node: NZA-I3

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.49 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.99	0.0001	4
4.49	0.3300	14375
8.00	1.0900	47480

Comment: As-built Structure EX-2071

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I3	005Yr-001Hr	4.49	4.53	0.0007	4.06	1.14	14733
NZA-I3	005Yr-024Hr	4.49	4.78	-0.0006	7.02	6.83	17122
NZA-I3	010Yr-024Hr	4.49	4.87	-0.0006	11.47	11.11	17955
NZA-I3	025Yr-072Hr	4.49	4.93	-0.0005	14.78	14.31	18508
NZA-I3	100Yr-072Hr	4.49	5.33	-0.0004	23.25	21.83	22293

Node: NZA-I4

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.93	0.0001	4
4.43	0.3000	13068
8.00	1.0800	47045

Comment: As-built Structure EX-2021

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I4	005Yr-001Hr	4.43	4.52	0.0007	4.53	1.24	13977
NZA-I4	005Yr-024Hr	4.43	4.78	-0.0009	5.09	3.54	16449
NZA-I4	010Yr-024Hr	4.43	4.87	-0.0008	6.99	5.64	17294
NZA-I4	025Yr-072Hr	4.43	4.93	-0.0007	8.55	8.27	17854
NZA-I4	100Yr-072Hr	4.43	5.36	-0.0006	17.67	14.76	21917

Node: NZA-I5

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.41 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.91	0.0001	4
4.41	0.3300	14375
8.00	1.3300	57935

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I5	005Yr-001Hr	4.41	4.41	0.0006	5.56	2.39	14432
NZA-I5	005Yr-024Hr	4.41	4.79	0.0009	6.57	3.75	18982
NZA-I5	010Yr-024Hr	4.41	4.87	0.0009	8.61	6.30	20018
NZA-I5	025Yr-072Hr	4.41	5.01	0.0009	10.50	8.49	21704
NZA-I5	100Yr-072Hr	4.41	5.38	0.0009	14.03	12.63	26177

Node: NZA-I6

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	1.0300	44867
8.00	2.2800	99317

Comment: EX.AS-BUILT STRUCTURE 2025

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I6	005Yr-001Hr	4.24	3.65	0.0003	25.74	25.71	100
NZA-I6	005Yr-024Hr	4.24	4.27	-0.0014	33.47	31.34	45339
NZA-I6	010Yr-024Hr	4.24	4.86	0.0013	47.44	35.90	53918
NZA-I6	025Yr-072Hr	4.24	5.01	-0.0015	57.66	37.57	56106
NZA-I6	100Yr-072Hr	4.24	5.39	-0.0015	70.51	43.05	61471

Node: NZA-I7

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4700	20473
8.00	1.4300	62291

Comment: EX.AS-BUILT STRUCTURE 36

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I7	005Yr-001Hr	3.56	3.86	0.0003	28.43	20.01	23372
NZA-I7	005Yr-024Hr	3.56	4.64	0.0010	32.00	28.57	30667
NZA-I7	010Yr-024Hr	3.56	5.07	0.0009	44.82	37.64	34763
NZA-I7	025Yr-072Hr	3.56	5.26	0.0010	55.50	43.70	36527
NZA-I7	100Yr-072Hr	3.56	5.69	0.0009	69.89	47.84	40550

Node: NZA-I8

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.51 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.01	0.0001	4
4.51	0.4200	18295
8.00	1.3600	59242

Comment: EX.AS-BUILT STRUCTURE 42

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I8	005Yr-001Hr	4.51	4.46	0.0005	10.46	5.53	16593
NZA-I8	005Yr-024Hr	4.51	4.78	0.0006	10.99	9.10	21523
NZA-I8	010Yr-024Hr	4.51	5.08	0.0006	15.53	14.20	24946
NZA-I8	025Yr-072Hr	4.51	5.27	0.0006	20.36	17.47	27238
NZA-I8	100Yr-072Hr	4.51	5.70	0.0006	28.00	20.84	32279

Node: NZA-PS0

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0050	218

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS0	005Yr-001Hr	8.00	1.70	-0.0138	11.19	14.20	100
NZA-PS0	005Yr-024Hr	8.00	4.07	-0.0142	15.18	14.20	218
NZA-PS0	010Yr-024Hr	8.00	4.24	-0.0141	15.38	14.20	218
NZA-PS0	025Yr-072Hr	8.00	4.46	-0.0142	15.52	14.20	218
NZA-PS0	100Yr-072Hr	8.00	4.75	-0.0142	15.63	14.20	218

Node: NZA-PS1

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0050	218

Comment: PUMP STATION

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS1	005Yr-001Hr	8.00	2.00	0.0214	36.61	39.60	100
NZA-PS1	005Yr-024Hr	8.00	2.00	0.0239	38.46	39.60	100
NZA-PS1	010Yr-024Hr	8.00	2.07	0.0247	39.67	39.60	100
NZA-PS1	025Yr-072Hr	8.00	2.24	0.0246	39.70	39.60	100
NZA-PS1	100Yr-072Hr	8.00	2.42	0.0243	39.73	39.60	104

Node: NZA-PS2

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS2	005Yr-001Hr	8.00	2.00	-0.0153	28.26	33.00	121
NZA-PS2	005Yr-024Hr	8.00	2.00	0.0165	29.84	33.00	122
NZA-PS2	010Yr-024Hr	8.00	2.00	0.0200	33.08	33.00	122
NZA-PS2	025Yr-072Hr	8.00	2.20	0.0195	33.09	33.00	160
NZA-PS2	100Yr-072Hr	8.00	2.33	0.0195	33.11	33.00	185

Node: NZA-PS3

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100

Node: NZA-S-106

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
4.49	0.0070	305

Comment: FDOT PUMP STATION

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-106	005Yr-001Hr	8.00	2.00	-0.0114	17.72	42.88	768
NZA-S-106	005Yr-024Hr	8.00	2.00	-0.0117	21.27	42.88	768
NZA-S-106	010Yr-024Hr	8.00	2.00	-0.0117	25.24	46.58	768
NZA-S-106	025Yr-072Hr	8.00	2.00	-0.0118	28.49	47.90	768
NZA-S-106	100Yr-072Hr	8.00	2.00	-0.0118	34.29	51.89	768

Node: NZA-S-77

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-77	005Yr-001Hr	8.00	1.82	0.0001	0.29	0.06	1286
NZA-S-77	005Yr-024Hr	8.00	2.00	0.0001	0.26	0.28	1692
NZA-S-77	010Yr-024Hr	8.00	3.27	0.0002	2.66	1.01	1935
NZA-S-77	025Yr-072Hr	8.00	3.95	0.0003	4.18	1.50	1851
NZA-S-77	100Yr-072Hr	8.00	4.59	0.0004	6.05	2.98	1905

Node: NZA-S-82

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
0.00	0.0070	305

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-82	005Yr-001Hr	8.00	2.00	-0.0030	33.19	43.17	1715
NZA-S-82	005Yr-024Hr	8.00	2.00	-0.0030	39.15	43.14	1779
NZA-S-82	010Yr-024Hr	8.00	3.27	0.0033	47.42	45.54	1887
NZA-S-82	025Yr-072Hr	8.00	3.95	0.0031	50.02	47.06	1886
NZA-S-82	100Yr-072Hr	8.00	4.59	-0.0030	53.20	48.93	1890

Node: NZA-S101

Scenario: Scenario 2
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174

Stage [ft]	Area [ac]	Area [ft2]
10.17	0.0040	174

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S101	005Yr-001Hr	8.00	2.00	-0.0080	1.64	14.44	181
NZA-S101	005Yr-024Hr	8.00	2.00	-0.0081	4.13	14.74	181
NZA-S101	010Yr-024Hr	8.00	2.00	-0.0081	5.52	14.74	181
NZA-S101	025Yr-072Hr	8.00	2.00	-0.0082	7.26	14.76	181
NZA-S101	100Yr-072Hr	8.00	2.00	-0.0082	10.37	14.77	181

Node: OUTFALL (88th)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.20 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.20
0	0	0	99999.0000	1.20

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (88th)	005Yr-001Hr	8.00	1.20	0.0000	6.67	0.00	0
OUTFALL (88th)	005Yr-024Hr	8.00	1.20	0.0000	14.43	0.00	0
OUTFALL (88th)	010Yr-024Hr	8.00	1.20	0.0000	22.18	0.00	0
OUTFALL (88th)	025Yr-072Hr	8.00	1.20	0.0000	29.02	0.00	0
OUTFALL	100Yr-072Hr	8.00	1.20	0.0000	34.05	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(88th)							

Node: OUTFALL (89th)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (89th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	025Yr-072Hr	8.00	1.60	0.0000	2.53	0.00	0
OUTFALL (89th)	100Yr-072Hr	8.00	1.60	0.0000	10.02	0.00	0

Node: OUTFALL (91st) - A

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - A	005Yr-001Hr	8.00	1.60	0.0000	12.54	0.00	0
OUTFALL (91st) - A	005Yr-024Hr	8.00	1.60	0.0000	23.95	0.00	0
OUTFALL (91st) - A	010Yr-024Hr	8.00	1.60	0.0000	34.70	0.00	0
OUTFALL (91st) - A	025Yr-072Hr	8.00	1.60	0.0000	38.43	0.00	0
OUTFALL (91st) - A	100Yr-072Hr	8.00	1.60	0.0000	51.52	0.00	0

Node: OUTFALL (91st) - B

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - B	005Yr-001Hr	8.00	1.60	0.0000	12.39	0.00	0
OUTFALL	005Yr-024Hr	8.00	1.60	0.0000	19.19	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(91st) - B							
OUTFALL (91st) - B	010Yr-024Hr	8.00	1.60	0.0000	24.24	0.00	0
OUTFALL (91st) - B	025Yr-072Hr	8.00	1.60	0.0000	27.09	0.00	0
OUTFALL (91st) - B	100Yr-072Hr	8.00	1.60	0.0000	39.68	0.00	0

Node: OUTFALL (92nd)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (92nd)	005Yr-001Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	005Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	010Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	025Yr-072Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	100Yr-072Hr	8.00	1.60	0.0000	19.08	0.00	0

Node: OUTFALL (94th)

Scenario: Scenario 2

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.81	0.00	0
OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	9.88	0.00	0
OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	40.84	0.00	0

Node: OUTFALL (95th)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (95th)	005Yr-001Hr	8.00	1.60	0.0000	6.73	0.00	0
OUTFALL (95th)	005Yr-024Hr	8.00	1.60	0.0000	8.31	0.00	0
OUTFALL (95th)	010Yr-024Hr	8.00	1.60	0.0000	23.38	0.00	0
OUTFALL (95th)	025Yr-072Hr	8.00	1.60	0.0000	34.68	0.00	0
OUTFALL (95th)	100Yr-072Hr	8.00	1.60	0.0000	50.45	0.00	0

Node: OUTFALL (96th)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (96th)	005Yr-001Hr	8.00	1.60	0.0000	11.20	0.00	0
OUTFALL (96th)	005Yr-024Hr	8.00	1.60	0.0000	13.26	0.00	0
OUTFALL (96th)	010Yr-024Hr	8.00	1.60	0.0000	17.50	0.00	0
OUTFALL (96th)	025Yr-072Hr	8.00	1.60	0.0000	20.02	0.00	0
OUTFALL (96th)	100Yr-072Hr	8.00	1.60	0.0000	24.35	0.00	0

Node: OUTFALL (CARLYLE)

Scenario: Scenario 2
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [Scenario 2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	25.75	0.00	0
OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	31.37	0.00	0
OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	35.93	0.00	0
OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	37.00	0.00	0
OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	39.50	0.00	0

Drop Structure Link: CS-01

Scenario: Scenario 2
From Node: NZA-CS-01
To Node: NZA-DS1
Link Count: 1
Flow Direction: Both
Solution: Combine
Increments: 0
Pipe Count: 1
Damping: 0.0000 ft
Length: 175.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec

Upstream Pipe		Downstream Pipe	
Invert:	-1.83 ft	Invert:	-1.20 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.50 ft	Max Depth:	2.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-01 - Pipe	005Yr-001Hr	0.04	0.00	0.04	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-001Hr	0.04	0.00	0.03	0.00	0.00	0.00
CS-01 - Pipe	005Yr-024Hr	0.06	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-024Hr	0.06	0.00	0.05	0.00	0.00	0.00
CS-01 - Pipe	010Yr-024Hr	0.71	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	010Yr-024Hr	0.71	0.00	0.05	1.01	1.01	1.01
CS-01 - Pipe	025Yr-072Hr	3.26	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	025Yr-072Hr	3.26	0.00	0.05	1.68	1.68	1.68
CS-01 - Pipe	100Yr-072Hr	6.89	0.00	0.06	0.00	0.00	0.00
CS-01 - Weir: 1	100Yr-072Hr	6.89	0.00	0.05	2.16	2.16	2.16

Drop Structure Link: CS-02		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario 2	Invert:	-2.30 ft	Invert:	-1.20 ft
From Node:	NZA-CS-02	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	80.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Pipe	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Pipe	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Pipe	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Pipe	025Yr-072Hr	2.38	0.00	0.04	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Weir: 1	025Yr-072Hr	2.38	0.00	0.04	1.52	1.52	1.52
CS-02 - Pipe	100Yr-072Hr	4.70	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	100Yr-072Hr	4.70	0.00	0.04	1.90	1.90	1.90

Drop Structure Link: CS-03		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario 2	Invert:	-4.50 ft	Invert:	-4.70 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	60.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-03 - Pipe	005Yr-001Hr	25.69	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-001Hr	25.69	0.00	0.00	4.89	4.89	4.89
CS-03 - Pipe	005Yr-024Hr	31.34	0.00	-0.02	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-024Hr	31.34	0.00	0.03	5.97	5.97	5.97
CS-03 - Pipe	010Yr-024Hr	35.90	0.00	0.02	0.00	0.00	0.00
CS-03 - Weir: 1	010Yr-024Hr	35.90	0.00	0.03	6.84	6.84	6.84
CS-03 - Pipe	025Yr-072Hr	36.98	0.00	-0.02	0.00	0.00	0.00
CS-03 - Weir: 1	025Yr-072Hr	36.98	0.00	-0.03	7.04	7.04	7.04
CS-03 - Pipe	100Yr-072Hr	39.49	0.00	0.02	0.00	0.00	0.00
CS-03 - Weir: 1	100Yr-072Hr	39.49	0.00	-0.03	7.52	7.52	7.52

Drop Structure Link: CS-04		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario 2	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-CS-04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (95th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	181.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft		

Control Elevation:	2.00 ft
Max Depth:	0.75 ft
Max Width:	7.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-04 - Pipe	005Yr-001Hr	6.73	0.00	0.01	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-001Hr	6.74	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	005Yr-024Hr	8.31	0.00	-0.01	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-024Hr	8.32	0.00	-0.01	2.00	2.00	2.00
CS-04 - Pipe	010Yr-024Hr	9.14	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	010Yr-024Hr	9.14	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	025Yr-072Hr	9.41	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	025Yr-072Hr	9.41	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	100Yr-072Hr	9.91	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	100Yr-072Hr	9.92	0.00	-0.04	2.00	2.00	2.00

Drop Structure Link: CS-05		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario 2	Invert:	-2.33 ft	Invert:	1.21 ft
From Node:	NZA-CS-05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS0	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	

Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.10 ft	Ref Node:	
Control Elevation:	2.10 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-05 - Pipe	005Yr-001Hr	11.19	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-001Hr	11.19	0.00	0.00	2.13	2.13	2.13
CS-05 - Pipe	005Yr-024Hr	15.18	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-024Hr	15.18	0.00	-0.02	2.89	2.89	2.89
CS-05 - Pipe	010Yr-024Hr	15.38	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	010Yr-024Hr	15.38	0.00	-0.02	2.93	2.93	2.93
CS-05 - Pipe	025Yr-072Hr	15.52	0.00	-0.04	0.00	0.00	0.00
CS-05 - Weir: 1	025Yr-072Hr	15.52	0.00	-0.02	2.96	2.96	2.96
CS-05 - Pipe	100Yr-072Hr	15.63	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	100Yr-072Hr	15.63	0.00	-0.02	2.98	2.98	2.98

Drop Structure Link: CS-06(R3)		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario 2	Invert:	-1.88 ft	Invert:	-2.30 ft

From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	153.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	005Yr-001Hr	12.54	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-001Hr	12.54	0.00	0.00	2.64	2.64	2.64
CS-06(R3) - Pipe	005Yr-024Hr	23.95	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-024Hr	23.96	0.00	-0.01	4.56	4.56	4.56

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	010Yr-024Hr	34.70	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	010Yr-024Hr	34.71	0.00	-0.01	6.61	6.61	6.61
CS-06(R3) - Pipe	025Yr-072Hr	37.60	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	025Yr-072Hr	37.60	0.00	-0.01	7.16	7.16	7.16
CS-06(R3) - Pipe	100Yr-072Hr	39.27	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	100Yr-072Hr	39.27	0.00	-0.01	7.48	7.48	7.48

Drop Structure Link: CS-07		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario 2	Invert:	-2.19 ft	Invert:	-2.90 ft
From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	213.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft		

Orifice Default: 0.600
Orifice Table:

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-07 - Pipe	005Yr-001Hr	12.39	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-001Hr	12.40	0.00	0.00	2.61	2.61	2.61
CS-07 - Pipe	005Yr-024Hr	19.19	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-024Hr	19.19	0.00	0.00	3.65	3.65	3.65
CS-07 - Pipe	010Yr-024Hr	24.24	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	010Yr-024Hr	24.24	0.00	0.00	4.62	4.62	4.62
CS-07 - Pipe	025Yr-072Hr	26.26	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	025Yr-072Hr	26.26	0.00	0.00	5.00	5.00	5.00
CS-07 - Pipe	100Yr-072Hr	27.43	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	100Yr-072Hr	27.43	0.00	0.00	5.22	5.22	5.22

Drop Structure Link: CS-08		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario 2	Invert:	-1.58 ft	Invert:	-1.58 ft
From Node:	NZA-I1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (88th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	15.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-08 - Pipe	005Yr-001Hr	6.67	0.00	-0.01	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-001Hr	6.68	0.00	-0.02	2.14	2.14	2.14
CS-08 - Pipe	005Yr-024Hr	14.43	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-024Hr	14.43	0.00	-0.02	2.76	2.76	2.76
CS-08 - Pipe	010Yr-024Hr	22.18	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	010Yr-024Hr	22.18	0.00	-0.02	4.22	4.22	4.22
CS-08 - Pipe	025Yr-072Hr	29.02	0.00	-0.11	0.00	0.00	0.00
CS-08 - Weir: 1	025Yr-072Hr	29.02	0.00	-0.12	5.53	5.53	5.53
CS-08 - Pipe	100Yr-072Hr	30.84	0.00	-0.13	0.00	0.00	0.00
CS-08 - Weir: 1	100Yr-072Hr	30.85	0.00	-0.14	5.88	5.88	5.88

Rating Curve Link: D-00

Scenario:	Scenario 2
From Node:	NZA-PS0
To Node:	OUTFALL (92nd)
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0004	1.70		1.60	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D-00	005Yr-001Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	005Yr-024Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	010Yr-024Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	025Yr-072Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	100Yr-072Hr	14.20	0.00	-14.20	0.00	0.00	0.00

Rating Curve Link: DW 1-3

Scenario: Scenario 2
From Node: NZA-PS1
To Node: AQUIFER (94th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0001	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 1-3	005Yr-001Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	005Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	010Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	025Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	100Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00

Rating Curve Link: DW 4-6

Scenario: Scenario 2
From Node: NZA-PS2
To Node: AQUIFER (89th)

Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0002	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 4-6	005Yr-001Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	005Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	010Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	025Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	100Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00

Rating Curve Link: DW 7-9

Scenario: Scenario 2
From Node: NZA-PS3
To Node: AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0003	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 7-9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S102-S105

Scenario: Scenario 2

From Node: NZA-S-82
To Node: FDOT AQUIFER (94TH)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-102, S-103, S-104, S-105

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S102-S105	005Yr-001Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	005Yr-024Hr	42.88	0.00	-42.88	0.00	0.00	0.00
FDOT DW-S102-S105	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	100Yr-072Hr	42.88	0.00	42.88	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S96-S99

Scenario: Scenario 2
From Node: NZA-S-106
To Node: FDOT AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-96, S-97, S-98, S-99

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S96-S99	005Yr-001Hr	42.88	0.00	41.54	0.00	0.00	0.00
FDOT DW-	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S96-S99							
FDOT DW-S96-S99	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	100Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00

Pipe Link: FDOT-P-3B-4B		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-4.38 ft	Invert:	-5.00 ft
From Node:	FDOT-5B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.53 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT-P-3B-4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
FDOT-P-3B-4B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
FDOT-P-3B-4B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
FDOT-P-3B-4B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
FDOT-P-3B-4B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-A1-A2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.61 ft	Invert:	-1.81 ft
From Node:	NZA-A2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-A2	005Yr-001Hr	4.77	-0.13	-0.06	3.89	3.89	3.89
P-A1-A2	005Yr-024Hr	6.15	-0.13	0.11	5.01	5.01	5.01
P-A1-A2	010Yr-024Hr	6.11	-0.13	0.11	4.98	4.98	4.98
P-A1-A2	025Yr-072Hr	6.09	-0.13	0.11	4.97	4.97	4.97
P-A1-A2	100Yr-072Hr	6.09	-0.13	0.11	4.96	4.96	4.96

Pipe Link: P-A1-B1		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-4.90 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	490.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-B1	005Yr-001Hr	3.90	-0.04	-0.15	2.21	2.21	2.21
P-A1-B1	005Yr-024Hr	6.51	-0.23	0.27	3.69	3.69	3.69
P-A1-B1	010Yr-024Hr	6.64	-0.21	0.27	3.76	3.76	3.76
P-A1-B1	025Yr-072Hr	6.41	-1.26	0.33	3.63	3.63	3.63
P-A1-B1	100Yr-072Hr	5.52	-1.69	0.31	3.13	3.13	3.13

Pipe Link: P-A1-CS-04		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.81 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-CS-04	005Yr-001Hr	6.74	-0.52	-0.08	3.81	3.81	3.81
P-A1-CS-04	005Yr-024Hr	8.31	-0.74	-0.08	4.71	4.71	4.71
P-A1-CS-04	010Yr-024Hr	9.14	-0.73	-0.08	5.17	5.17	5.17
P-A1-CS-04	025Yr-072Hr	9.41	-0.74	-0.09	5.33	5.33	5.33
P-A1-CS-04	100Yr-072Hr	9.92	-0.74	-0.08	5.61	5.61	5.61

Pipe Link: P-A2-A3		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.54 ft	Invert:	-1.61 ft
From Node:	NZA-A3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A2-A3	005Yr-001Hr	2.73	-0.20	0.06	2.22	2.22	2.22
P-A2-A3	005Yr-024Hr	4.25	-0.20	-0.10	3.46	3.46	3.46
P-A2-A3	010Yr-024Hr	4.22	-0.20	-0.10	3.44	3.44	3.44
P-A2-A3	025Yr-072Hr	4.10	-0.20	-0.10	3.34	3.34	3.34
P-A2-A3	100Yr-072Hr	3.99	-0.20	-0.10	3.25	3.25	3.25

Pipe Link: P-A3-A4		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.08 ft	Invert:	-1.54 ft
From Node:	NZA-A4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A3-A4	005Yr-001Hr	1.05	-0.98	-0.05	0.85	0.85	0.85
P-A3-A4	005Yr-024Hr	2.97	-0.77	0.08	2.42	2.42	2.42
P-A3-A4	010Yr-024Hr	2.87	-0.84	0.08	2.34	2.34	2.34
P-A3-A4	025Yr-072Hr	2.71	-0.77	0.08	2.21	2.21	2.21
P-A3-A4	100Yr-072Hr	2.50	-0.36	0.08	2.04	2.04	2.04

Pipe Link: P-A4-FDOT1B		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-0.82 ft	Invert:	-1.08 ft
From Node:	FDOT-1B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	229.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A4-FDOT1B	005Yr-001Hr	0.86	-0.70	0.02	1.58	1.58	1.58
P-A4-FDOT1B	005Yr-024Hr	0.81	-1.33	-0.03	-2.43	-2.43	-2.43
P-A4-FDOT1B	010Yr-024Hr	0.78	-1.35	-0.03	-2.47	-2.47	-2.47
P-A4-FDOT1B	025Yr-072Hr	0.67	-1.38	-0.03	-2.53	-2.53	-2.53
P-A4-FDOT1B	100Yr-072Hr	0.67	-1.42	-0.03	-2.60	-2.60	-2.60

Pipe Link: P-AA1-AA2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	117.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA1-AA2	005Yr-001Hr	9.04	0.00	0.00	2.41	2.58	2.50
P-AA1-AA2	005Yr-024Hr	10.66	0.00	0.00	2.58	2.75	2.66
P-AA1-AA2	010Yr-024Hr	14.00	0.00	0.01	2.88	3.07	2.98
P-AA1-AA2	025Yr-072Hr	16.01	0.00	0.01	3.06	3.25	3.16
P-AA1-AA2	100Yr-072Hr	19.42	0.00	0.01	3.34	3.54	3.44

Pipe Link: P-AA2-AA3		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	133.29 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA2-AA3	005Yr-001Hr	7.02	0.00	0.00	1.81	2.64	1.97
P-AA2-AA3	005Yr-024Hr	8.23	0.00	0.01	1.92	2.64	1.97
P-AA2-AA3	010Yr-024Hr	10.78	0.00	0.01	2.16	2.64	2.20
P-AA2-AA3	025Yr-072Hr	12.39	0.00	0.02	2.32	2.64	2.35
P-AA2-AA3	100Yr-072Hr	15.08	0.00	0.02	2.55	2.64	2.59

Pipe Link: P-AA3-AA4		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	0.00 ft	Invert:	0.00 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.03 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA3-AA4	005Yr-001Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	005Yr-024Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	010Yr-024Hr	7.75	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	025Yr-072Hr	8.89	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	100Yr-072Hr	10.92	0.00	1.64	1.54	1.54	1.54

Pipe Link: P-AA4-AA5		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	126.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA4-AA5	005Yr-001Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	005Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	010Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	025Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	100Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88

Pipe Link: P-AA5-FDOT1B		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-1B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	626.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA5-FDOT1B	005Yr-001Hr	0.87	-1.32	0.00	-2.41	3.23	-2.42
P-AA5-FDOT1B	005Yr-024Hr	0.87	-1.33	0.00	-2.44	3.23	-2.46
P-AA5-FDOT1B	010Yr-024Hr	0.87	-1.32	0.00	-2.42	3.23	-2.43
P-AA5-FDOT1B	025Yr-072Hr	0.87	-1.39	0.00	-2.55	3.23	-2.55
P-AA5-FDOT1B	100Yr-072Hr	0.87	-1.51	0.00	-2.76	3.23	-2.76

Pipe Link: P-AA7-A4		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA7-A4	005Yr-001Hr	0.00	-3.19	-0.01	-2.60	-2.60	-2.60
P-AA7-A4	005Yr-024Hr	2.68	-2.11	-0.01	2.18	2.18	2.18
P-AA7-A4	010Yr-024Hr	2.39	-1.87	-0.01	1.94	1.94	1.94
P-AA7-A4	025Yr-072Hr	2.16	-1.12	-0.01	1.76	1.76	1.76
P-AA7-A4	100Yr-072Hr	1.59	-1.18	0.02	1.29	1.29	1.29

Pipe Link: P-B1-B2	Upstream	Downstream

Scenario:	Scenario 2	Invert:	-4.86 ft	Invert:	-4.90 ft
From Node:	NZA-B2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-B2	005Yr-001Hr	16.36	-2.89	1.90	3.33	3.33	3.33
P-B1-B2	005Yr-024Hr	19.68	-3.54	2.00	4.01	4.01	4.01
P-B1-B2	010Yr-024Hr	22.82	-3.47	2.06	4.65	4.65	4.65
P-B1-B2	025Yr-072Hr	23.19	-3.36	2.10	4.72	4.72	4.72
P-B1-B2	100Yr-072Hr	23.31	-3.30	2.13	4.75	4.75	4.75

Pipe Link: P-B1-CS-01		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.75 ft	Invert:	-2.83 ft
From Node:	NZA-B1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-CS-01	005Yr-001Hr	33.67	-0.41	2.11	6.86	6.86	6.86
P-B1-CS-01	005Yr-024Hr	37.32	-0.41	2.28	7.60	7.60	7.60
P-B1-CS-01	010Yr-024Hr	40.31	-0.41	2.46	8.21	8.21	8.21
P-B1-CS-01	025Yr-072Hr	42.86	-0.41	2.42	8.73	8.73	8.73
P-B1-CS-01	100Yr-072Hr	46.49	-0.41	2.32	9.47	9.47	9.47

Pipe Link: P-B2-B3		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-4.54 ft	Invert:	-4.86 ft
From Node:	NZA-B3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B2-B3	005Yr-001Hr	7.04	-3.38	0.64	2.24	2.24	2.24
P-B2-B3	005Yr-024Hr	8.64	-3.75	0.92	2.75	2.75	2.75
P-B2-B3	010Yr-024Hr	12.61	-3.75	0.97	4.01	4.01	4.01
P-B2-B3	025Yr-072Hr	9.43	-3.73	0.99	3.00	3.00	3.00
P-B2-B3	100Yr-072Hr	9.65	-3.75	1.00	3.07	3.07	3.07

Pipe Link: P-B3-B4		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-3.77 ft	Invert:	-4.54 ft
From Node:	NZA-B4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B3-B4	005Yr-001Hr	3.05	-3.49	-0.54	-1.11	-1.11	-1.11
P-B3-B4	005Yr-024Hr	4.11	-4.02	-0.64	1.31	1.31	1.31
P-B3-B4	010Yr-024Hr	7.09	-4.07	-0.66	2.26	2.26	2.26
P-B3-B4	025Yr-072Hr	10.36	-4.02	0.68	3.30	3.30	3.30
P-B3-B4	100Yr-072Hr	12.01	-4.06	-0.62	3.82	3.82	3.82

Pipe Link: P-B4-C2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	0.58 ft	Invert:	-0.46 ft
From Node:	NZA-C2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	628.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B4-C2	005Yr-001Hr	9.43	-0.05	0.23	3.00	3.00	3.00
P-B4-C2	005Yr-024Hr	12.67	-0.05	0.37	4.03	4.03	4.03
P-B4-C2	010Yr-024Hr	13.28	-0.05	0.38	4.23	4.23	4.23
P-B4-C2	025Yr-072Hr	14.79	-0.05	-0.38	4.71	4.71	4.71
P-B4-C2	100Yr-072Hr	15.45	-0.05	-0.37	4.92	4.92	4.92

Pipe Link: P-C1-B1		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.88 ft	Invert:	-2.60 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	674.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-B1	005Yr-001Hr	5.05	-0.07	0.12	2.86	2.86	2.86
P-C1-B1	005Yr-024Hr	6.58	-0.08	0.24	3.72	3.72	3.72
P-C1-B1	010Yr-024Hr	7.43	-0.08	0.23	4.21	4.21	4.21
P-C1-B1	025Yr-072Hr	7.80	-0.09	0.27	4.42	4.42	4.42
P-C1-B1	100Yr-072Hr	7.93	-0.08	0.29	4.49	4.49	4.49

Pipe Link: P-C1-D2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.60 ft	Invert:	-2.05 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	715.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-D2	005Yr-001Hr	1.96	-1.93	-0.03	1.11	1.11	1.11
P-C1-D2	005Yr-024Hr	2.51	-4.41	-0.06	-2.50	-2.50	-2.50
P-C1-D2	010Yr-024Hr	2.72	-4.53	-0.06	-2.56	-2.56	-2.56
P-C1-D2	025Yr-072Hr	2.77	-4.72	-0.07	-2.67	-2.67	-2.67
P-C1-D2	100Yr-072Hr	1.53	-4.68	-0.06	-2.65	-2.65	-2.65

Pipe Link: P-C2-D7		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.00 ft	Invert:	-1.00 ft
From Node:	NZA-C2	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	653.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C2-D7	005Yr-001Hr	0.81	-5.54	0.01	-1.76	-1.76	-1.76
P-C2-D7	005Yr-024Hr	3.77	-10.71	0.06	-3.41	-3.41	-3.41
P-C2-D7	010Yr-024Hr	7.14	-10.86	-0.05	-3.46	-3.46	-3.46
P-C2-D7	025Yr-072Hr	7.37	-11.60	0.07	-3.69	-3.69	-3.69
P-C2-D7	100Yr-072Hr	6.63	-11.94	0.06	-3.80	-3.80	-3.80

Pipe Link: P-CS-TOWN-AA1		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-TOWN	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-TOWN-AA1	005Yr-001Hr	11.20	0.00	0.00	3.20	3.67	3.44
P-CS-TOWN-AA1	005Yr-024Hr	13.26	0.00	0.00	3.42	3.91	3.66
P-CS-TOWN-AA1	010Yr-024Hr	17.50	0.00	0.00	3.83	4.34	4.08
P-CS-TOWN-AA1	025Yr-072Hr	20.02	0.00	0.00	4.05	4.57	4.31
P-CS-TOWN-AA1	100Yr-072Hr	24.35	0.00	-0.01	4.40	4.95	4.68

Pipe Link: P-CS3-S3	Upstream	Downstream

Scenario:	Scenario 2	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS3-S3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-D1-CS-05		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.50 ft	Invert:	-2.70 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-05	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-CS-05	005Yr-001Hr	11.19	-0.04	-0.05	3.56	3.56	3.56
P-D1-CS-05	005Yr-024Hr	15.23	-0.13	-0.32	4.85	4.85	4.85
P-D1-CS-05	010Yr-024Hr	15.44	-0.12	-0.34	4.92	4.92	4.92
P-D1-CS-05	025Yr-072Hr	15.61	-0.14	-0.34	4.97	4.97	4.97
P-D1-CS-05	100Yr-072Hr	15.72	-0.13	0.38	5.00	5.00	5.00

Pipe Link: P-D1-D2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.05 ft	Invert:	-2.35 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-D2	005Yr-001Hr	9.94	-0.09	0.01	4.13	4.13	4.13
P-D1-D2	005Yr-024Hr	12.22	-0.20	0.06	5.08	5.08	5.08
P-D1-D2	010Yr-024Hr	12.11	-0.19	0.07	5.03	5.03	5.03
P-D1-D2	025Yr-072Hr	11.97	-0.23	0.08	4.98	4.98	4.98
P-D1-D2	100Yr-072Hr	12.10	-0.22	-0.07	5.03	5.03	5.03

Pipe Link: P-D1-E1		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.35 ft	Invert:	-2.90 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	694.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-E1	005Yr-001Hr	2.48	-0.04	0.01	1.40	1.40	1.40
P-D1-E1	005Yr-024Hr	5.33	-0.09	-0.03	3.02	3.02	3.02
P-D1-E1	010Yr-024Hr	5.32	-0.08	0.03	3.01	3.01	3.01
P-D1-E1	025Yr-072Hr	5.33	-0.12	-0.04	3.02	3.02	3.02
P-D1-E1	100Yr-072Hr	5.34	-0.11	-0.05	3.02	3.02	3.02

Pipe Link: P-D2-D3		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.70 ft	Invert:	-2.05 ft
From Node:	NZA-D3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-D3	005Yr-001Hr	4.42	-0.02	-0.02	2.50	2.50	2.50
P-D2-D3	005Yr-024Hr	7.64	-0.02	0.05	4.33	4.33	4.33
P-D2-D3	010Yr-024Hr	7.69	-0.02	0.04	4.35	4.35	4.35
P-D2-D3	025Yr-072Hr	7.66	-0.02	0.05	4.34	4.34	4.34
P-D2-D3	100Yr-072Hr	7.52	-0.02	-0.06	4.26	4.26	4.26

Pipe Link: P-D2-E3		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.70 ft	Invert:	-2.10 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.83 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-E3	005Yr-001Hr	0.02	-4.53	-0.04	-1.89	-1.89	-1.89
P-D2-E3	005Yr-024Hr	0.52	-5.37	0.07	-2.23	-2.23	-2.23
P-D2-E3	010Yr-024Hr	0.34	-5.93	-0.07	-2.47	-2.47	-2.47
P-D2-E3	025Yr-072Hr	0.30	-6.57	0.08	-2.73	-2.73	-2.73
P-D2-E3	100Yr-072Hr	0.11	-6.07	0.08	-2.52	-2.52	-2.52

Pipe Link: P-D3-D4		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.33 ft	Invert:	-2.70 ft
From Node:	NZA-D4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D3-D4	005Yr-001Hr	2.29	-0.02	0.00	2.91	2.91	2.91
P-D3-D4	005Yr-024Hr	3.14	-0.02	-0.02	3.99	3.99	3.99
P-D3-D4	010Yr-024Hr	3.12	-0.02	0.01	3.97	3.97	3.97
P-D3-D4	025Yr-072Hr	3.08	-0.02	-0.02	3.93	3.93	3.93
P-D3-D4	100Yr-072Hr	3.08	-0.02	0.02	3.92	3.92	3.92

Pipe Link: P-D4-D5		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.43 ft	Invert:	-2.33 ft
From Node:	NZA-D5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D4-D5	005Yr-001Hr	1.38	-0.04	0.00	1.75	1.75	1.75
P-D4-D5	005Yr-024Hr	1.34	-1.00	0.06	1.71	1.71	1.71
P-D4-D5	010Yr-024Hr	1.31	-0.86	0.07	1.67	1.67	1.67
P-D4-D5	025Yr-072Hr	1.25	-0.04	0.02	1.60	1.60	1.60
P-D4-D5	100Yr-072Hr	1.26	-0.04	-0.01	1.60	1.60	1.60

Pipe Link: P-D5-D6		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.42 ft	Invert:	-2.43 ft
From Node:	NZA-D6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	301.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D5-D6	005Yr-001Hr	0.00	-0.74	0.01	-0.95	-0.95	-0.95
P-D5-D6	005Yr-024Hr	0.79	-1.95	0.01	-2.48	-2.48	-2.48
P-D5-D6	010Yr-024Hr	0.75	-1.84	-0.01	-2.34	-2.34	-2.34
P-D5-D6	025Yr-072Hr	0.59	-1.74	0.01	-2.22	-2.22	-2.22
P-D5-D6	100Yr-072Hr	0.63	-1.11	0.01	-1.41	-1.41	-1.41

Pipe Link: P-D6-D7		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.42 ft	Invert:	-2.42 ft
From Node:	NZA-D7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D6-D7	005Yr-001Hr	0.00	-2.76	0.01	-3.52	-3.52	-3.52
P-D6-D7	005Yr-024Hr	0.00	-3.26	-0.01	-4.15	-4.15	-4.15
P-D6-D7	010Yr-024Hr	0.29	-3.25	0.01	-4.14	-4.14	-4.14
P-D6-D7	025Yr-072Hr	0.25	-3.20	0.02	-4.07	-4.07	-4.07
P-D6-D7	100Yr-072Hr	0.16	-3.20	0.02	-4.07	-4.07	-4.07

Pipe Link: P-DS1-OUTFALL (94TH)		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.20 ft	Invert:	-3.12 ft
From Node:	NZA-DS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS1-OUTFALL (94TH)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	010Yr-024Hr	0.81	0.00	0.12	0.16	0.16	0.16
P-DS1-OUTFALL (94TH)	025Yr-072Hr	3.40	0.00	-0.27	0.69	0.69	0.69
P-DS1-OUTFALL (94TH)	100Yr-072Hr	7.00	0.00	0.37	1.43	1.43	1.43

Pipe Link: P-DS2-OUTFALL		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.20 ft	Invert:	-2.47 ft
From Node:	NZA-DS2	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (89th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	025Yr-072Hr	2.53	0.00	0.20	0.81	0.81	0.81
P-DS2-OUTFALL	100Yr-072Hr	4.80	0.00	0.33	1.53	1.53	1.53

Pipe Link: P-DS3-OUTFALL(CARLYLE)		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-4.70 ft	Invert:	-4.00 ft
From Node:	NZA-DS3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	11.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS3-OUTFALL(CARLYLE)	005Yr-001Hr	25.75	0.00	-10.22	3.64	3.64	3.64
P-DS3-OUTFALL(CARLYLE)	005Yr-024Hr	31.37	0.00	10.55	4.44	4.44	4.44
P-DS3-OUTFALL(CARLYLE)	010Yr-024Hr	35.93	0.00	10.56	5.08	5.08	5.08
P-DS3-OUTFALL(CARLYLE)	025Yr-072Hr	37.00	0.00	10.50	5.23	5.23	5.23
P-DS3-OUTFALL(CARLYLE)	100Yr-072Hr	39.50	0.00	10.56	5.59	5.59	5.59

Pipe Link: P-E1-E2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.57 ft	Invert:	-2.18 ft
From Node:	NZA-E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	230.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	005Yr-001Hr	15.31	-0.01	0.07	4.87	4.87	4.87
P-E1-E2	005Yr-024Hr	19.76	-0.01	-0.16	6.29	6.29	6.29
P-E1-E2	010Yr-024Hr	19.50	-0.01	-0.13	6.21	6.21	6.21
P-E1-E2	025Yr-072Hr	19.53	-0.02	0.21	6.22	6.22	6.22
P-E1-E2	100Yr-072Hr	19.57	-0.01	0.33	6.23	6.23	6.23

Pipe Link: P-E1-F1		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.90 ft	Invert:	-2.71 ft
From Node:	NZA-F1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	692.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-F1	005Yr-001Hr	2.43	-1.23	0.01	1.37	1.37	1.37
P-E1-F1	005Yr-024Hr	3.44	-1.60	0.10	1.94	1.94	1.94
P-E1-F1	010Yr-024Hr	3.46	-1.63	-0.05	1.96	1.96	1.96
P-E1-F1	025Yr-072Hr	3.33	-1.51	-0.08	1.89	1.89	1.89
P-E1-F1	100Yr-072Hr	2.93	-1.45	-0.08	1.66	1.66	1.66

Pipe Link: P-E2-E3		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-0.45 ft	Invert:	-1.57 ft
From Node:	NZA-E3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E2-E3	005Yr-001Hr	8.82	-0.03	0.09	2.81	2.81	2.81
P-E2-E3	005Yr-024Hr	13.40	-0.08	0.18	4.27	4.27	4.27
P-E2-E3	010Yr-024Hr	13.35	-0.07	0.19	4.25	4.25	4.25
P-E2-E3	025Yr-072Hr	13.48	-0.08	0.22	4.29	4.29	4.29
P-E2-E3	100Yr-072Hr	13.45	-0.08	-0.34	4.28	4.28	4.28

Pipe Link: P-E3-E4		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.57 ft	Invert:	-0.45 ft
From Node:	NZA-E4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	283.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	005Yr-001Hr	7.31	-0.01	0.27	2.33	4.14	3.23
P-E3-E4	005Yr-024Hr	10.72	-0.01	0.26	3.41	6.07	4.74
P-E3-E4	010Yr-024Hr	10.76	-0.01	0.26	3.43	6.09	4.76
P-E3-E4	025Yr-072Hr	10.70	-0.01	0.27	3.41	6.05	4.73
P-E3-E4	100Yr-072Hr	10.60	-0.01	0.27	3.38	6.00	4.69

Pipe Link: P-E4-E5		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.57 ft	Invert:	-1.57 ft
From Node:	NZA-E5	Manning's N:	0.0012	Manning's N:	0.0012
To Node:	NZA-E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	277.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E4-E5	005Yr-001Hr	12.57	-0.36	-12.57	4.00	4.00	4.00
P-E4-E5	005Yr-024Hr	18.69	-0.28	-12.72	5.95	5.95	5.95
P-E4-E5	010Yr-024Hr	20.50	-0.30	12.89	6.53	6.53	6.53
P-E4-E5	025Yr-072Hr	20.67	-0.67	13.31	6.58	6.58	6.58
P-E4-E5	100Yr-072Hr	22.07	-0.38	-13.37	7.02	7.02	7.02

Pipe Link: P-E5-E6		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.79 ft	Invert:	-1.57 ft
From Node:	NZA-E6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.25 ft	Max Depth:	2.25 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E5-E6	005Yr-001Hr	3.78	-3.37	-0.76	0.95	0.95	0.95
P-E5-E6	005Yr-024Hr	9.12	-3.06	0.75	2.29	2.29	2.29
P-E5-E6	010Yr-024Hr	9.14	-2.69	0.75	2.30	2.30	2.30
P-E5-E6	025Yr-072Hr	8.66	-0.01	0.77	2.18	2.18	2.18
P-E5-E6	100Yr-072Hr	8.68	-0.07	0.76	2.18	2.18	2.18

Pipe Link: P-E6-E7		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.89 ft	Invert:	-1.79 ft
From Node:	NZA-E7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	005Yr-001Hr	2.30	-1.99	0.05	1.30	1.30	1.30
P-E6-E7	005Yr-024Hr	5.89	-1.58	-0.11	3.33	3.33	3.33
P-E6-E7	010Yr-024Hr	5.85	-1.06	0.06	3.31	3.31	3.31
P-E6-E7	025Yr-072Hr	5.51	-0.01	-0.07	3.12	3.12	3.12
P-E6-E7	100Yr-072Hr	5.59	-0.01	-0.08	3.17	3.17	3.17

Pipe Link: P-E7-E8		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-0.69 ft	Invert:	-1.89 ft
From Node:	NZA-E8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E7-E8	005Yr-001Hr	1.11	-0.81	0.01	1.41	1.41	1.41
P-E7-E8	005Yr-024Hr	2.78	-0.67	0.02	3.53	3.53	3.53
P-E7-E8	010Yr-024Hr	2.75	-0.38	-0.02	3.50	3.50	3.50
P-E7-E8	025Yr-072Hr	2.65	0.00	-0.02	3.37	3.37	3.37
P-E7-E8	100Yr-072Hr	2.64	0.00	0.03	3.37	3.37	3.37

Pipe Link: P-F1-F2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.66 ft	Invert:	-1.36 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-F2	005Yr-001Hr	2.45	-0.08	0.01	3.13	3.13	3.13
P-F1-F2	005Yr-024Hr	2.46	-0.20	-0.02	3.13	3.13	3.13
P-F1-F2	010Yr-024Hr	2.43	-0.20	-0.01	3.10	3.10	3.10
P-F1-F2	025Yr-072Hr	2.44	-0.50	-0.02	3.11	3.11	3.11
P-F1-F2	100Yr-072Hr	2.40	-0.66	0.02	3.05	3.05	3.05

Pipe Link: P-F1-G1		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.71 ft	Invert:	-2.80 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	119.25 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	005Yr-001Hr	1.18	-2.14	-0.05	-1.21	-1.21	-1.21
P-F1-G1	005Yr-024Hr	1.70	-3.58	-0.15	-2.03	-2.03	-2.03
P-F1-G1	010Yr-024Hr	3.12	-4.65	-0.10	-2.63	-2.63	-2.63
P-F1-G1	025Yr-072Hr	3.79	-4.88	-0.13	-2.76	-2.76	-2.76
P-F1-G1	100Yr-072Hr	4.16	-5.02	0.12	-2.84	-2.84	-2.84

Pipe Link: P-F2-F3		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	0.36 ft	Invert:	-1.66 ft
From Node:	NZA-F3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-F3	005Yr-001Hr	1.79	0.00	0.00	2.28	2.28	2.28
P-F2-F3	005Yr-024Hr	2.56	-0.09	0.03	3.26	3.26	3.26
P-F2-F3	010Yr-024Hr	2.53	-0.08	0.03	3.23	3.23	3.23
P-F2-F3	025Yr-072Hr	2.49	-0.09	0.03	3.18	3.18	3.18
P-F2-F3	100Yr-072Hr	2.42	-0.09	0.03	3.08	3.08	3.08

Pipe Link: P-F2-G2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.65 ft	Invert:	-1.65 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	495.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-G2	005Yr-001Hr	1.83	0.00	0.02	2.32	2.32	2.32
P-F2-G2	005Yr-024Hr	2.19	-0.02	0.08	2.78	2.78	2.78
P-F2-G2	010Yr-024Hr	2.17	-0.01	0.07	2.76	2.76	2.76
P-F2-G2	025Yr-072Hr	2.17	-0.03	0.09	2.76	2.76	2.76
P-F2-G2	100Yr-072Hr	2.17	-0.03	0.07	2.76	2.76	2.76

Pipe Link: P-F4-F5		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	0.51 ft	Invert:	1.47 ft
From Node:	NZA-F5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	005Yr-001Hr	0.58	0.00	0.00	1.06	1.06	1.06
P-F4-F5	005Yr-024Hr	0.59	-0.01	0.00	1.09	1.09	1.09
P-F4-F5	010Yr-024Hr	0.62	-0.01	0.00	1.13	1.13	1.13
P-F4-F5	025Yr-072Hr	0.63	0.00	0.00	1.16	1.16	1.16
P-F4-F5	100Yr-072Hr	0.62	0.00	0.01	1.14	1.14	1.14

Pipe Link: P-F4-G4		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	1.47 ft	Invert:	1.47 ft
From Node:	NZA-F4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	510.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-G4	005Yr-001Hr	1.01	-0.48	0.00	1.86	1.91	1.88
P-F4-G4	005Yr-024Hr	1.67	-0.45	0.00	3.07	3.20	3.11
P-F4-G4	010Yr-024Hr	1.67	-0.48	0.00	3.07	3.16	3.10
P-F4-G4	025Yr-072Hr	1.64	-0.13	0.00	3.01	3.12	3.05
P-F4-G4	100Yr-072Hr	1.65	-0.01	0.00	3.02	3.06	3.04

Pipe Link: P-F5-F6		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-F6	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-F5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F5-F6	005Yr-001Hr	0.58	-1.58	-0.02	-0.89	-0.89	-0.89
P-F5-F6	005Yr-024Hr	1.38	-1.48	0.01	-0.84	-0.84	-0.84
P-F5-F6	010Yr-024Hr	1.93	-1.44	-0.01	1.09	1.09	1.09
P-F5-F6	025Yr-072Hr	0.81	-1.43	-0.02	-0.81	-0.81	-0.81
P-F5-F6	100Yr-072Hr	1.78	-1.43	-0.03	1.00	1.00	1.00

Pipe Link: P-F6-F7		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	0.25 ft	Invert:	-2.00 ft
From Node:	NZA-F7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	271.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	005Yr-001Hr	1.40	-0.91	0.00	1.79	1.79	1.79
P-F6-F7	005Yr-024Hr	1.13	-2.12	0.00	-2.70	-2.70	-2.70
P-F6-F7	010Yr-024Hr	0.91	-2.04	0.01	-2.60	-2.60	-2.60
P-F6-F7	025Yr-072Hr	0.47	-1.99	0.01	-2.53	-2.53	-2.53
P-F6-F7	100Yr-072Hr	0.30	-1.60	0.01	-2.03	-2.03	-2.03

Pipe Link: P-F7-F8		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.17 ft	Invert:	0.25 ft
From Node:	NZA-F8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	303.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F7-F8	005Yr-001Hr	0.00	-1.74	0.00	-2.21	-2.21	-2.21
P-F7-F8	005Yr-024Hr	0.02	-2.99	0.01	-3.81	-3.81	-3.81
P-F7-F8	010Yr-024Hr	0.14	-2.97	0.00	-3.79	-3.79	-3.79
P-F7-F8	025Yr-072Hr	0.00	-2.92	0.01	-3.72	-3.72	-3.72
P-F7-F8	100Yr-072Hr	0.00	-2.95	-0.01	-3.75	-3.75	-3.75

Pipe Link: P-F8-F9		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.83 ft	Invert:	-2.17 ft
From Node:	NZA-F9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	321.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-F9	005Yr-001Hr	1.70	0.00	0.00	2.16	2.16	2.16
P-F8-F9	005Yr-024Hr	2.52	0.00	0.00	3.20	3.20	3.20
P-F8-F9	010Yr-024Hr	2.54	0.00	0.00	3.24	3.24	3.24
P-F8-F9	025Yr-072Hr	2.51	-0.16	-0.01	3.19	3.19	3.19
P-F8-F9	100Yr-072Hr	2.35	-0.15	0.01	2.99	2.99	2.99

Pipe Link: P-F8-G8		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	0.88 ft	Invert:	0.61 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	525.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	005Yr-001Hr	0.04	-3.02	0.00	-0.43	-0.43	-0.43
P-F8-G8	005Yr-024Hr	0.00	-4.85	-0.01	-0.69	-0.69	-0.69
P-F8-G8	010Yr-024Hr	0.01	-6.36	0.01	-0.90	-0.90	-0.90
P-F8-G8	025Yr-072Hr	0.00	-6.65	0.01	-0.94	-0.94	-0.94
P-F8-G8	100Yr-072Hr	0.00	-7.05	0.01	-1.00	-1.00	-1.00

Pipe Link: P-FDOT-1A-2A		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-4.86 ft	Invert:	-3.43 ft
From Node:	FDOT-1A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-2A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.42 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-1A-2A	005Yr-001Hr	3.37	-2.85	-0.76	1.07	1.07	1.07
P-FDOT-1A-2A	005Yr-024Hr	2.91	-3.31	-0.76	-1.05	-1.05	-1.05
P-FDOT-1A-2A	010Yr-024Hr	2.89	-3.56	-0.76	-1.13	-1.13	-1.13
P-FDOT-1A-2A	025Yr-072Hr	3.86	-2.85	-0.76	1.23	1.23	1.23
P-FDOT-1A-2A	100Yr-072Hr	5.29	-3.06	-0.76	1.68	1.68	1.68

Pipe Link: P-FDOT-2A-3A	Upstream	Downstream

Scenario:	Scenario 2	Invert:	-3.43 ft	Invert:	-2.16 ft
From Node:	FDOT-2A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	235.86 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2A-3A	005Yr-001Hr	3.44	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	005Yr-024Hr	8.38	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	010Yr-024Hr	9.81	-9.60	-4.15	1.39	1.39	1.39
P-FDOT-2A-3A	025Yr-072Hr	10.54	-9.60	-4.15	1.49	1.49	1.49
P-FDOT-2A-3A	100Yr-072Hr	15.14	-9.60	-4.15	2.14	2.14	2.14

Pipe Link: P-FDOT-2B-3B		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.97 ft	Invert:	-4.38 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	657.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

	Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-3 B	005Yr-001Hr	9.92	-7.18	3.06	1.03	1.03	1.03
P-FDOT-2B-3 B	005Yr-024Hr	9.92	-8.54	3.06	1.03	1.03	1.03
P-FDOT-2B-3 B	010Yr-024Hr	9.92	-11.80	3.06	-1.23	-1.23	-1.23
P-FDOT-2B-3 B	025Yr-072Hr	9.92	-14.29	3.06	-1.49	-1.49	-1.49
P-FDOT-2B-3 B	100Yr-072Hr	9.92	-16.29	3.06	-1.69	-1.69	-1.69

Pipe Link: P-FDOT-2B-B4		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.97 ft	Invert:	-3.77 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.04 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-B 4	005Yr-001Hr	0.81	-19.42	0.69	-6.18	-6.18	-6.18
P-FDOT-2B-B	005Yr-024Hr	2.09	-22.40	-1.25	-7.13	-7.13	-7.13

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
4							
P-FDOT-2B-B 4	010Yr-024Hr	2.07	-27.26	-1.26	-8.68	-8.68	-8.68
P-FDOT-2B-B 4	025Yr-072Hr	2.18	-30.68	-1.35	-9.77	-9.77	-9.77
P-FDOT-2B-B 4	100Yr-072Hr	2.15	-32.80	-1.30	-10.44	-10.44	-10.44

Pipe Link: P-FDOT-3A-4A		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.16 ft	Invert:	-7.00 ft
From Node:	FDOT-3A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-4A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	264.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3A-4 A	005Yr-001Hr	7.00	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4 A	005Yr-024Hr	11.21	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4 A	010Yr-024Hr	14.90	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4 A	025Yr-072Hr	16.03	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4 A	100Yr-072Hr	22.52	-28.26	4.31	-2.94	-2.94	-2.94

Pipe Link: P-FDOT-4B-5B		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-5.00 ft	Invert:	-4.16 ft
From Node:	FDOT-4B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.31 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-4B-5B	005Yr-001Hr	0.31	-3.31	-0.06	-0.67	-0.67	-0.67
P-FDOT-4B-5B	005Yr-024Hr	3.95	-2.97	0.06	0.80	0.80	0.80
P-FDOT-4B-5B	010Yr-024Hr	4.99	-1.17	0.06	1.02	1.02	1.02
P-FDOT-4B-5B	025Yr-072Hr	5.09	-0.15	0.04	1.04	1.04	1.04
P-FDOT-4B-5B	100Yr-072Hr	5.86	-0.75	-0.05	1.19	1.19	1.19

Pipe Link: P-FDOT-S106-S101		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-6.18 ft	Invert:	-9.20 ft
From Node:	NZA-S-106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-S106 -S101	005Yr-001Hr	1.64	-14.44	-6.53	-2.04	-2.04	-2.04
P-FDOT-S106 -S101	005Yr-024Hr	4.13	-14.74	-6.99	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	010Yr-024Hr	5.52	-14.74	-6.92	-2.08	-2.08	-2.08
P-FDOT-S106 -S101	025Yr-072Hr	7.26	-14.76	-7.04	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	100Yr-072Hr	10.37	-14.77	-7.04	-2.09	-2.09	-2.09

Pipe Link: P-FDOT2B - S-82		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-3.45 ft	Invert:	0.00 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	378.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT2B - S-82	005Yr-001Hr	33.15	-29.10	2.22	-6.21	6.45	4.54

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT2B - S-82	005Yr-024Hr	39.08	-29.10	2.22	-6.21	6.80	4.96
P-FDOT2B - S-82	010Yr-024Hr	47.42	-29.10	2.22	-6.21	6.98	5.24
P-FDOT2B - S-82	025Yr-072Hr	50.02	-29.10	2.22	-6.21	7.11	5.34
P-FDOT2B - S-82	100Yr-072Hr	53.20	-29.10	2.22	-6.21	7.20	5.45

Pipe Link: P-FDOT4A-S106		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	3.81 ft	Invert:	-6.18 ft
From Node:	FDOT-4A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	823.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT4A-S106	005Yr-001Hr	4.42	0.00	0.00	3.85	0.63	2.24
P-FDOT4A-S106	005Yr-024Hr	9.66	0.00	0.00	4.80	1.37	3.08
P-FDOT4A-S106	010Yr-024Hr	15.75	0.00	0.00	5.55	2.23	3.89
P-FDOT4A-S106	025Yr-072Hr	20.74	0.00	0.00	6.06	2.93	4.50
P-FDOT4A-S106	100Yr-072Hr	29.66	0.00	0.00	6.86	4.20	5.53

Pipe Link: P-G1-G2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.80 ft	Invert:	-3.19 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G1-G2	005Yr-001Hr	3.08	-0.02	0.06	1.74	1.74	1.74
P-G1-G2	005Yr-024Hr	4.64	-0.04	0.22	2.63	2.63	2.63
P-G1-G2	010Yr-024Hr	6.25	-0.04	0.21	3.54	3.54	3.54
P-G1-G2	025Yr-072Hr	6.66	-1.00	0.26	3.77	3.77	3.77
P-G1-G2	100Yr-072Hr	6.82	-2.24	0.26	3.86	3.86	3.86

Pipe Link: P-G2-CS-02		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.22 ft	Invert:	-2.30 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-CS-02	005Yr-001Hr	23.59	-0.01	1.35	7.51	7.51	7.51
P-G2-CS-02	005Yr-024Hr	26.72	-0.10	1.70	8.51	8.51	8.51
P-G2-CS-02	010Yr-024Hr	33.02	-0.10	1.84	10.51	10.51	10.51
P-G2-CS-02	025Yr-072Hr	35.38	-0.10	1.82	11.26	11.26	11.26
P-G2-CS-02	100Yr-072Hr	37.70	-0.13	1.76	12.00	12.00	12.00

Pipe Link: P-G2-G3		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-3.38 ft	Invert:	-2.22 ft
From Node:	NZA-G3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-G3	005Yr-001Hr	14.50	-0.83	0.61	4.62	4.62	4.62
P-G2-G3	005Yr-024Hr	15.34	-0.21	0.79	4.88	4.88	4.88
P-G2-G3	010Yr-024Hr	15.26	-0.14	0.60	4.86	4.86	4.86
P-G2-G3	025Yr-072Hr	15.87	-0.22	0.64	5.05	5.05	5.05
P-G2-G3	100Yr-072Hr	15.83	-0.18	0.86	5.04	5.04	5.04

Pipe Link: P-G2-I1		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-3.19 ft	Invert:	-2.93 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	563.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-I1	005Yr-001Hr	2.76	-1.60	-0.19	1.56	1.56	1.56
P-G2-I1	005Yr-024Hr	3.18	-1.59	-0.38	1.80	1.80	1.80
P-G2-I1	010Yr-024Hr	5.30	-1.59	-0.35	3.00	3.00	3.00
P-G2-I1	025Yr-072Hr	6.19	-1.60	-0.35	3.50	3.50	3.50
P-G2-I1	100Yr-072Hr	6.21	-1.59	-0.39	3.52	3.52	3.52

Pipe Link: P-G3-G4		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	1.48 ft	Invert:	-3.38 ft
From Node:	NZA-G4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	270.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G3-G4	005Yr-001Hr	8.56	-1.00	0.14	3.17	2.73	2.73
P-G3-G4	005Yr-024Hr	10.23	-0.13	0.11	3.57	3.26	3.27
P-G3-G4	010Yr-024Hr	11.26	-0.15	0.11	3.58	3.58	3.58
P-G3-G4	025Yr-072Hr	10.38	-0.09	0.10	3.56	3.30	3.30
P-G3-G4	100Yr-072Hr	10.41	-0.10	0.09	3.55	3.31	3.31

Pipe Link: P-G4-G5		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	0.28 ft	Invert:	1.48 ft
From Node:	NZA-G5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G4-G5	005Yr-001Hr	4.50	-0.28	0.02	2.54	2.54	2.54
P-G4-G5	005Yr-024Hr	7.88	-0.07	0.02	4.46	4.46	4.46
P-G4-G5	010Yr-024Hr	7.99	-0.08	-0.01	4.52	4.52	4.52
P-G4-G5	025Yr-072Hr	7.95	-0.04	0.02	4.50	4.50	4.50
P-G4-G5	100Yr-072Hr	7.91	-0.05	-0.01	4.47	4.47	4.47

Pipe Link: P-G5-G6		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	0.19 ft	Invert:	0.28 ft
From Node:	NZA-G6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G5-G6	005Yr-001Hr	1.07	-0.40	0.00	1.36	1.36	1.36
P-G5-G6	005Yr-024Hr	2.86	-0.08	0.01	3.64	3.64	3.64
P-G5-G6	010Yr-024Hr	2.85	-0.09	0.01	3.63	3.63	3.63
P-G5-G6	025Yr-072Hr	2.88	-0.04	0.01	3.66	3.66	3.66
P-G5-G6	100Yr-072Hr	2.84	-0.06	0.01	3.61	3.61	3.61

Pipe Link: P-G6-G8		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-0.37 ft	Invert:	0.19 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	550.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-G8	005Yr-001Hr	0.13	-2.44	0.00	-1.38	-1.38	-1.38
P-G6-G8	005Yr-024Hr	1.76	-2.18	0.03	-1.23	-1.23	-1.23
P-G6-G8	010Yr-024Hr	1.82	-1.83	0.03	-1.04	-1.04	-1.04
P-G6-G8	025Yr-072Hr	1.82	-1.56	-0.03	1.03	1.03	1.03
P-G6-G8	100Yr-072Hr	1.66	-0.97	0.03	0.94	0.94	0.94

Pipe Link: P-G6-I7		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.97 ft	Invert:	-3.42 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-I7	005Yr-001Hr	20.01	-0.28	0.00	2.83	2.83	2.83
P-G6-I7	005Yr-024Hr	27.14	-0.09	-2.14	3.84	3.84	3.84
P-G6-I7	010Yr-024Hr	29.71	-0.08	1.60	4.20	4.20	4.20
P-G6-I7	025Yr-072Hr	31.24	-0.09	-2.21	4.42	4.42	4.42
P-G6-I7	100Yr-072Hr	32.62	-0.09	2.21	4.62	4.62	4.62

Pipe Link: P-G8-G9		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	0.81 ft	Invert:	-0.37 ft
From Node:	NZA-G9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-G9	005Yr-001Hr	6.30	0.00	0.00	2.62	2.62	2.62
P-G8-G9	005Yr-024Hr	6.47	0.00	-0.04	2.69	2.69	2.69
P-G8-G9	010Yr-024Hr	6.39	0.00	0.03	2.66	2.66	2.66
P-G8-G9	025Yr-072Hr	6.50	0.00	-0.05	2.70	2.70	2.70
P-G8-G9	100Yr-072Hr	6.27	0.00	-0.05	2.61	2.61	2.61

Pipe Link: P-G8-I7		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.30 ft	Invert:	-1.83 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	570.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-I7	005Yr-001Hr	1.00	-16.36	-0.01	-2.31	-2.31	-2.31
P-G8-I7	005Yr-024Hr	0.15	-16.79	-0.97	-2.38	-2.38	-2.38
P-G8-I7	010Yr-024Hr	0.16	-16.90	-0.65	-2.39	-2.39	-2.39
P-G8-I7	025Yr-072Hr	0.16	-17.09	-0.87	-2.42	-2.42	-2.42
P-G8-I7	100Yr-072Hr	0.16	-17.63	0.76	-2.49	-2.49	-2.49

Pipe Link: P-I1-I2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.17 ft	Invert:	-2.32 ft
From Node:	NZA-I2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I1-I2	005Yr-001Hr	1.70	-0.01	0.02	3.12	3.12	3.12
P-I1-I2	005Yr-024Hr	1.97	-0.18	0.04	3.62	3.62	3.62
P-I1-I2	010Yr-024Hr	1.95	-0.18	0.04	3.58	3.58	3.58
P-I1-I2	025Yr-072Hr	1.93	-0.18	0.04	3.54	3.54	3.54
P-I1-I2	100Yr-072Hr	1.92	-0.18	0.04	3.52	3.52	3.52

Pipe Link: P-I3-I4		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-1.54 ft	Invert:	1.02 ft
From Node:	NZA-I4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I3-I4	005Yr-001Hr	0.00	-1.14	-0.01	-0.65	-0.65	-0.65
P-I3-I4	005Yr-024Hr	0.36	-1.01	-0.04	-0.57	-0.57	-0.57
P-I3-I4	010Yr-024Hr	0.41	-1.00	-0.02	-0.57	-0.57	-0.57
P-I3-I4	025Yr-072Hr	0.62	-0.95	-0.06	-0.54	-0.54	-0.54
P-I3-I4	100Yr-072Hr	1.67	-0.96	-0.05	0.95	0.95	0.95

Pipe Link: P-I4-I5		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-0.68 ft	Invert:	-1.54 ft
From Node:	NZA-I5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I4-I5	005Yr-001Hr	0.00	-1.24	0.00	-1.58	-1.58	-1.58
P-I4-I5	005Yr-024Hr	0.28	-2.02	-0.01	-2.57	-2.57	-2.57
P-I4-I5	010Yr-024Hr	0.76	-2.01	0.01	-2.55	-2.55	-2.55
P-I4-I5	025Yr-072Hr	0.89	-1.91	0.01	-2.43	-2.43	-2.43
P-I4-I5	100Yr-072Hr	0.82	-1.91	-0.01	-2.43	-2.43	-2.43

Pipe Link: P-I5-I6		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.97 ft	Invert:	-0.74 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I5-I6	005Yr-001Hr	0.00	-2.39	0.00	-3.04	-3.04	-3.04
P-I5-I6	005Yr-024Hr	0.01	-2.71	0.03	-3.45	-3.45	-3.45
P-I5-I6	010Yr-024Hr	0.01	-2.72	-0.02	-3.46	-3.46	-3.46
P-I5-I6	025Yr-072Hr	0.01	-2.69	-0.04	-3.42	-3.42	-3.42
P-I5-I6	100Yr-072Hr	0.16	-2.61	0.04	-3.32	-3.32	-3.32

Pipe Link: P-I6-CS-03		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-3.46 ft	Invert:	-4.50 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I6-CS-03	005Yr-001Hr	25.71	0.00	0.00	3.64	3.64	3.64
P-I6-CS-03	005Yr-024Hr	31.34	0.00	2.56	4.43	4.43	4.43
P-I6-CS-03	010Yr-024Hr	35.90	0.00	2.11	5.08	5.08	5.08
P-I6-CS-03	025Yr-072Hr	36.98	0.00	2.66	5.23	5.23	5.23
P-I6-CS-03	100Yr-072Hr	39.49	0.00	-2.71	5.59	5.59	5.59

Pipe Link: P-I7-I8		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.67 ft	Invert:	-2.97 ft
From Node:	NZA-I8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I7-I8	005Yr-001Hr	5.53	0.00	0.00	3.13	3.13	3.13
P-I7-I8	005Yr-024Hr	6.62	0.00	0.22	3.75	3.75	3.75
P-I7-I8	010Yr-024Hr	6.70	0.00	0.17	3.79	3.79	3.79
P-I7-I8	025Yr-072Hr	6.67	0.00	0.18	3.77	3.77	3.77
P-I7-I8	100Yr-072Hr	6.47	0.00	0.17	3.66	3.66	3.66

Pipe Link: P-OUTFALL(96th)-CS-TOWN		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-CS-TOWN	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (96th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-OUTFALL(96th)-CS-TOWN	005Yr-001Hr	11.20	0.00	0.00	3.67	5.01	4.34
P-OUTFALL(96th)-CS-TOWN	005Yr-024Hr	13.26	0.00	0.00	3.91	5.27	4.59
P-OUTFALL(96th)-CS-TOWN	010Yr-024Hr	17.50	0.00	0.00	4.34	5.74	5.04
P-OUTFALL(96th)-CS-TOWN	025Yr-072Hr	20.02	0.00	0.00	4.57	5.99	5.28
P-OUTFALL(96th)-CS-TOWN	100Yr-072Hr	24.35	0.00	-0.01	4.95	6.39	5.67

Pipe Link: P-PS1-CS1		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.78 ft	Invert:	-2.75 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-CS1	005Yr-001Hr	0.21	-36.61	20.30	-5.18	-5.18	-5.18
P-PS1-CS1	005Yr-024Hr	0.21	-38.46	-26.46	-5.44	-5.44	-5.44
P-PS1-CS1	010Yr-024Hr	0.21	-39.67	-27.51	-5.61	-5.61	-5.61
P-PS1-CS1	025Yr-072Hr	0.21	-39.70	-26.59	-5.62	-5.62	-5.62
P-PS1-CS1	100Yr-072Hr	0.21	-39.73	-29.51	-5.62	-5.62	-5.62

Pipe Link: P-PS1-DS1		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-DS1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS2-CS-02		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	-2.50 ft	Invert:	-2.30 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-CS-02	005Yr-001Hr	0.00	-28.26	22.24	-4.00	-4.00	-4.00
P-PS2-CS-02	005Yr-024Hr	0.55	-29.84	22.91	-4.22	-4.22	-4.22
P-PS2-CS-02	010Yr-024Hr	0.10	-33.08	-25.86	-4.68	-4.68	-4.68
P-PS2-CS-02	025Yr-072Hr	0.59	-33.09	23.12	-4.68	-4.68	-4.68
P-PS2-CS-02	100Yr-072Hr	0.36	-33.11	-26.34	-4.68	-4.68	-4.68

Pipe Link: P-PS2-DS2		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-DS2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS3-DS3		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS3-DS3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-S-82 - S-77		Upstream		Downstream	
Scenario:	Scenario 2	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-S-82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	888.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-S-82 - S-77	005Yr-001Hr	0.29	-0.06	0.01	0.51	1.89	1.20
P-S-82 - S-77	005Yr-024Hr	0.26	-0.28	-0.03	-0.50	-1.87	-1.19
P-S-82 - S-77	010Yr-024Hr	2.66	-1.01	-0.03	1.13	-2.39	-1.57
P-S-82 - S-77	025Yr-072Hr	4.18	-1.50	-0.04	1.37	2.48	1.84
P-S-82 - S-77	100Yr-072Hr	6.05	-2.98	-0.04	1.61	3.17	2.26

Drop Structure Link: S-101		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario 2	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	8.00 ft	Op Table:	
Control Elevation:	8.00 ft	Ref Node:	
Max Depth:	1.50 ft	Discharge Coefficients	
Max Width:	6.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-101 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir:	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
S-101 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Drop Structure Link: S-77		Upstream Pipe		Downstream Pipe	
Scenario:	Scenario 2	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S-77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	Discharge Coefficients	
Max Depth:	1.50 ft	Weir Default:	3.200
Max Width:	6.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-77 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-A1-A2

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	NZA-A2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.61 ft	**Discharge Coefficients**	
Control Elevation:	4.61 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-A2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-A2	005Yr-024Hr	0.00	-8.15	0.00	0.00	0.00	0.00
W-A1-A2	010Yr-024Hr	0.00	-17.38	0.00	0.00	0.00	0.00
W-A1-A2	025Yr-072Hr	0.00	-24.84	0.00	0.00	0.00	0.00
W-A1-A2	100Yr-072Hr	0.00	-38.72	-0.01	0.00	0.00	0.00

Weir Link: W-A1-B1

Scenario:	Scenario 2
From Node:	NZA-A1
To Node:	NZA-B1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.38 ft
Control Elevation:	4.38 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	100Yr-072Hr	4.17	0.00	0.00	1.14	1.14	1.14

Weir Link: W-A1-OUTFALL

Scenario:	Scenario 2
From Node:	NZA-A1
To Node:	OUTFALL (95th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	3.81 ft
Control Elevation:	3.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	010Yr-024Hr	14.24	0.00	0.00	1.72	1.72	1.72
W-A1-OUTFALL	025Yr-072Hr	25.26	0.00	0.00	2.30	2.30	2.30
W-A1-OUTFALL	100Yr-072Hr	40.54	0.00	0.01	3.69	3.69	3.69

Weir Link: W-A2-A3

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-A2	Default:	0.00 ft
To Node:	NZA-A3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.72 ft	Discharge Coefficients	
Control Elevation:	4.72 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A2-A3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A2-A3	005Yr-024Hr	0.00	-6.80	0.00	-1.34	-1.34	-1.34
W-A2-A3	010Yr-024Hr	0.00	-12.07	0.00	-1.60	-1.60	-1.60
W-A2-A3	025Yr-072Hr	0.00	-16.30	0.00	-1.71	-1.71	-1.71
W-A2-A3	100Yr-072Hr	0.00	-29.06	-0.29	-2.64	-2.64	-2.64

Weir Link: W-A3-A4

Scenario:	Scenario 2
From Node:	NZA-A4
To Node:	NZA-A3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.41 ft
Control Elevation:	5.41 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A3-A4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	100Yr-072Hr	15.85	0.00	0.00	1.78	1.78	1.78

Weir Link: W-A4-B4

Scenario:	Scenario 2
From Node:	NZA-A4
To Node:	NZA-B4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.02 ft
Control Elevation:	5.02 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	005Yr-024Hr	1.08	0.00	0.00	0.73	0.73	0.73
W-A4-B4	010Yr-024Hr	5.18	0.00	0.00	1.23	1.23	1.23
W-A4-B4	025Yr-072Hr	10.96	0.00	0.00	1.53	1.53	1.53
W-A4-B4	100Yr-072Hr	13.78	0.00	-2.09	1.61	1.61	1.61

Weir Link: W-A4-FDOT1B

Scenario:	Scenario 2	Bottom Clip	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.22 ft	Discharge Coefficients	
Control Elevation:	4.22 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-FDOT1B	005Yr-001Hr	4.37	0.00	0.01	1.16	1.16	1.16
W-A4-FDOT1B	005Yr-024Hr	3.62	0.00	0.01	1.08	1.08	1.08
W-A4-FDOT1B	010Yr-024Hr	1.53	0.00	0.00	0.80	0.80	0.80
W-A4-FDOT1B	025Yr-072Hr	3.20	0.00	0.00	0.29	0.29	0.29
W-A4-FDOT1B	100Yr-072Hr	8.73	0.00	0.03	0.79	0.79	0.79

Weir Link: W-AA1-AA2

Scenario:	Scenario 2
From Node:	NZA-AA1
To Node:	NZA-AA2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-AA2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA1-OUTFALL(96th)

Scenario:	Scenario 2
From Node:	NZA-AA1
To Node:	OUTFALL (96th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-OUTFALL(96th)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA2-AA3

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-AA3	Default:	0.00 ft
To Node:	NZA-AA2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA2-AA3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA3-AA4

Scenario:	Scenario 2
From Node:	NZA-AA4
To Node:	NZA-AA3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA3-AA4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	100Yr-072Hr	0.01	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA4-AA5

Scenario:	Scenario 2
From Node:	NZA-AA5
To Node:	NZA-AA4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA4-AA5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	100Yr-072Hr	0.09	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA7-A4

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-AA7	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-001Hr	0.00	-12.81	0.01	-1.65	-1.65	-1.65
W-AA7-A4	005Yr-024Hr	2.67	-9.53	-2.08	-1.45	-1.45	-1.45
W-AA7-A4	010Yr-024Hr	2.43	-8.03	-2.08	-0.95	-0.95	-0.95
W-AA7-A4	025Yr-072Hr	2.06	-7.76	-1.72	0.83	0.83	0.83
W-AA7-A4	100Yr-072Hr	3.86	-10.26	-1.12	-0.93	-0.93	-0.93

Weir Link: W-B1-B2

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	NZA-B2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.50 ft
Control Elevation:	4.50 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	025Yr-072Hr	0.00	-7.32	0.00	0.00	0.00	0.00
W-B1-B2	100Yr-072Hr	0.00	-23.98	0.00	-2.40	-2.40	-2.40

Weir Link: W-B1-OUTFALL

Scenario:	Scenario 2
From Node:	NZA-B1
To Node:	OUTFALL (94th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	3.90 ft
Control Elevation:	3.90 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-OUTFA	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LL							
W-B1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	025Yr-072Hr	6.49	0.00	0.00	1.37	1.37	1.37
W-B1-OUTFALL	100Yr-072Hr	33.85	0.00	0.00	3.38	3.38	3.38

Weir Link: W-B2-B3

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-B2	Default:	0.00 ft
To Node:	NZA-B3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.54 ft	**Discharge Coefficients**	
Control Elevation:	4.54 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B2-B3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	010Yr-024Hr	0.00	-3.83	0.00	0.00	0.00	0.00
W-B2-B3	025Yr-072Hr	0.00	-11.07	0.00	-1.63	-1.63	-1.63
W-B2-B3	100Yr-072Hr	0.00	-20.75	0.00	-2.07	-2.07	-2.07

Weir Link: W-B3-B4

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-B4	Default:	0.00 ft

To Node:	NZA-B3		
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	5.52 ft	Ref Node:	
Control Elevation:	5.52 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	20.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B3-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	100Yr-072Hr	8.65	0.00	0.00	1.50	1.50	1.50

Weir Link: W-B4-C2

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.69 ft	Discharge Coefficients	
Control Elevation:	5.69 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-C2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-C2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-C2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-C2	025Yr-072Hr	0.00	-5.10	0.00	0.00	0.00	0.00
W-B4-C2	100Yr-072Hr	0.00	-16.50	0.00	-1.80	-1.80	-1.80

Weir Link: W-B4-FDOT2B

Scenario:	Scenario 2	Bottom Clip	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.21 ft	Discharge Coefficients	
Control Elevation:	4.21 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2B	005Yr-001Hr	8.89	0.00	0.01	1.52	1.52	1.52
W-B4-FDOT2B	005Yr-024Hr	11.72	0.00	0.00	1.66	1.66	1.66
W-B4-FDOT2B	010Yr-024Hr	16.65	0.00	-1.69	1.85	1.85	1.85
W-B4-FDOT2B	025Yr-072Hr	18.32	0.00	-1.72	1.89	1.89	1.89
W-B4-FDOT2B	100Yr-072Hr	19.23	0.00	-1.18	1.93	1.93	1.93

Weir Link: W-C1-B1

Scenario:	Scenario 2	Bottom Clip	

From Node:	NZA-B1
To Node:	NZA-C1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.86 ft
Control Elevation:	4.86 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	010Yr-024Hr	0.00	-0.62	0.00	0.00	0.00	0.00
W-C1-B1	025Yr-072Hr	0.00	-9.88	0.00	0.00	0.00	0.00
W-C1-B1	100Yr-072Hr	0.00	-25.07	0.00	0.00	0.00	0.00

Weir Link: W-C1-D2

Scenario:	Scenario 2
From Node:	NZA-D2
To Node:	NZA-C1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.80 ft
Control Elevation:	4.80 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	010Yr-024Hr	2.94	0.00	0.00	1.02	1.02	1.02
W-C1-D2	025Yr-072Hr	9.59	0.00	0.00	1.28	1.28	1.28
W-C1-D2	100Yr-072Hr	19.71	0.00	1.78	1.79	1.79	1.79

Weir Link: W-C2-FDOT3B

Scenario:	Scenario 2	Bottom Clip	
From Node:	FDOT-3B	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.95 ft	Discharge Coefficients	
Control Elevation:	3.95 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C2-FDOT3B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-D1-D2

Scenario:	Scenario 2	Bottom Clip	

From Node:	NZA-D2		
To Node:	NZA-D1	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.10 ft	Ref Node:	
Control Elevation:	4.10 ft	**Discharge Coefficients**	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-D2	005Yr-024Hr	22.06	0.00	0.00	2.01	2.01	2.01
W-D1-D2	010Yr-024Hr	31.63	0.00	0.00	2.88	2.88	2.88
W-D1-D2	025Yr-072Hr	34.43	0.00	0.01	3.13	3.13	3.13
W-D1-D2	100Yr-072Hr	35.72	0.00	0.01	3.25	3.25	3.25

Weir Link: W-D1-E1

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	NZA-E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.24 ft	**Discharge Coefficients**	
Control Elevation:	4.24 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-E1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	005Yr-024Hr	8.28	0.00	0.00	1.43	1.43	1.43
W-D1-E1	010Yr-024Hr	17.87	0.00	0.00	1.85	1.85	1.85
W-D1-E1	025Yr-072Hr	23.22	0.00	0.01	2.11	2.11	2.11
W-D1-E1	100Yr-072Hr	26.59	0.00	0.01	2.42	2.42	2.42

Weir Link: W-D1-OUTFALL

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	OUTFALL (92nd)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	100Yr-072Hr	4.88	0.00	0.00	1.20	1.20	1.20

Weir Link: W-D2-D3

Scenario:	Scenario 2	Bottom Clip	

From Node:	NZA-D2
To Node:	NZA-D3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.18 ft
Control Elevation:	4.18 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-D3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-D3	005Yr-024Hr	0.00	-21.73	0.00	-1.98	-1.98	-1.98
W-D2-D3	010Yr-024Hr	0.00	-27.65	0.00	-2.51	-2.51	-2.51
W-D2-D3	025Yr-072Hr	0.00	-30.95	-0.01	-2.81	-2.81	-2.81
W-D2-D3	100Yr-072Hr	0.00	-36.99	0.00	-3.36	-3.36	-3.36

Weir Link: W-D2-E3

Scenario:	Scenario 2
From Node:	NZA-D2
To Node:	NZA-E3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.17 ft
Control Elevation:	4.17 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-E3	005Yr-024Hr	0.00	-7.09	0.00	-1.35	-1.35	-1.35
W-D2-E3	010Yr-024Hr	1.64	-10.88	-1.97	-1.56	-1.56	-1.56
W-D2-E3	025Yr-072Hr	1.04	-12.51	-1.88	-1.63	-1.63	-1.63
W-D2-E3	100Yr-072Hr	0.00	-10.29	-1.77	-1.51	-1.51	-1.51

Weir Link: W-D3-D4

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-D4	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.54 ft	**Discharge Coefficients**	
Control Elevation:	4.54 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D3-D4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D3-D4	005Yr-024Hr	19.42	0.00	0.00	1.91	1.91	1.91
W-D3-D4	010Yr-024Hr	25.98	0.00	0.00	2.36	2.36	2.36
W-D3-D4	025Yr-072Hr	29.15	0.00	0.00	2.65	2.65	2.65
W-D3-D4	100Yr-072Hr	34.27	0.00	0.00	3.12	3.12	3.12

Weir Link: W-D4-D5

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-D5	Default:	0.00 ft
To Node:	NZA-D4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.56 ft
Control Elevation:	4.56 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	005Yr-001Hr	0.55	0.00	0.00	0.00	0.00	0.00
W-D4-D5	005Yr-024Hr	14.16	0.00	0.00	1.61	1.61	1.61
W-D4-D5	010Yr-024Hr	22.69	0.00	-2.09	2.06	2.06	2.06
W-D4-D5	025Yr-072Hr	22.95	0.00	2.64	2.09	2.09	2.09
W-D4-D5	100Yr-072Hr	25.55	0.00	1.91	2.32	2.32	2.32

Weir Link: W-D5-D6

Scenario:	Scenario 2
From Node:	NZA-D6
To Node:	NZA-D5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.94 ft
Control Elevation:	4.94 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D5-D6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D5-D6	005Yr-024Hr	5.63	0.00	0.00	1.26	1.26	1.26

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D5-D6	010Yr-024Hr	16.57	-0.14	-2.07	1.76	1.76	1.76
W-D5-D6	025Yr-072Hr	14.55	-0.94	2.04	1.53	1.53	1.53
W-D5-D6	100Yr-072Hr	12.67	-1.21	-3.51	1.38	1.38	1.38

Weir Link: W-D6-D7

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-D7	Default:	0.00 ft
To Node:	NZA-D6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.40 ft	**Discharge Coefficients**	
Control Elevation:	4.40 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	005Yr-001Hr	0.00	-4.23	0.00	0.00	0.00	0.00
W-D6-D7	005Yr-024Hr	0.00	-11.46	1.86	-1.60	-1.60	-1.60
W-D6-D7	010Yr-024Hr	6.82	-12.94	1.88	-1.66	-1.66	-1.66
W-D6-D7	025Yr-072Hr	5.80	-12.64	2.79	-1.65	-1.65	-1.65
W-D6-D7	100Yr-072Hr	3.84	-9.14	1.85	-1.42	-1.42	-1.42

Weir Link: W-D7-FDOT4B

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	FDOT-4B	Default:	0.00 ft
To Node:	NZA-D7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	005Yr-024Hr	3.06	0.00	-0.05	1.03	1.03	1.03
W-D7-FDOT4B	010Yr-024Hr	4.88	0.00	-0.10	1.20	1.20	1.20
W-D7-FDOT4B	025Yr-072Hr	4.90	0.00	-0.12	1.20	1.20	1.20
W-D7-FDOT4B	100Yr-072Hr	2.87	0.00	-0.29	1.01	1.01	1.01

Weir Link: W-E1-E2

Scenario:	Scenario 2
From Node:	NZA-E2
To Node:	NZA-E1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.22 ft
Control Elevation:	4.22 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-E2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	005Yr-024Hr	8.52	0.00	0.00	1.45	1.45	1.45
W-E1-E2	010Yr-024Hr	23.16	0.00	0.00	2.11	2.11	2.11
W-E1-E2	025Yr-072Hr	30.93	0.00	0.00	2.81	2.81	2.81
W-E1-E2	100Yr-072Hr	34.49	0.00	0.01	3.14	3.14	3.14

Weir Link: W-E1-F1

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	NZA-F1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.26 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-F1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	010Yr-024Hr	0.00	-1.24	0.00	0.00	0.00	0.00
W-E1-F1	025Yr-072Hr	1.19	-5.63	0.04	-0.85	-0.85	-0.85
W-E1-F1	100Yr-072Hr	7.65	-21.97	1.81	-2.00	-2.00	-2.00

Weir Link: W-E1-OUTFALL A

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	OUTFALL (91st) - A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.68 ft
Control Elevation:	4.68 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	025Yr-072Hr	0.83	0.00	0.00	0.67	0.67	0.67
W-E1-OUTFALL A	100Yr-072Hr	12.25	0.00	0.00	1.63	1.63	1.63

Weir Link: W-E1-OUTFALL B

Scenario:	Scenario 2
From Node:	NZA-E1
To Node:	OUTFALL (91st) - B
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.68 ft
Control Elevation:	4.68 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	025Yr-072Hr	0.83	0.00	0.00	0.67	0.67	0.67
W-E1-OUTFALL B	100Yr-072Hr	12.25	0.00	0.00	1.63	1.63	1.63

Weir Link: W-E2-E3

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-E3	Default:	0.00 ft
To Node:	NZA-E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	**Discharge Coefficients**	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E2-E3	005Yr-024Hr	18.13	0.00	0.00	1.86	1.86	1.86
W-E2-E3	010Yr-024Hr	23.59	0.00	0.00	2.14	2.14	2.14
W-E2-E3	025Yr-072Hr	26.02	0.00	0.00	2.37	2.37	2.37
W-E2-E3	100Yr-072Hr	26.29	0.00	0.01	2.39	2.39	2.39

Weir Link: W-E3-E4

Scenario:	Scenario 2	**Bottom Clip**	

From Node:	NZA-E4
To Node:	NZA-E3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.38 ft
Control Elevation:	4.38 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E3-E4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E3-E4	005Yr-024Hr	18.26	0.00	0.00	1.87	1.87	1.87
W-E3-E4	010Yr-024Hr	25.48	0.00	0.00	2.32	2.32	2.32
W-E3-E4	025Yr-072Hr	26.86	0.00	0.00	2.44	2.44	2.44
W-E3-E4	100Yr-072Hr	30.45	0.00	0.01	2.77	2.77	2.77

Weir Link: W-E4-E5

Scenario:	Scenario 2
From Node:	NZA-E5
To Node:	NZA-E4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.81 ft
Control Elevation:	4.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E4-E5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	005Yr-024Hr	0.33	0.00	0.00	0.00	0.00	0.00
W-E4-E5	010Yr-024Hr	7.53	0.00	0.00	1.10	1.10	1.10
W-E4-E5	025Yr-072Hr	12.11	0.00	-2.96	1.17	1.17	1.17
W-E4-E5	100Yr-072Hr	13.43	0.00	-2.06	1.24	1.24	1.24

Weir Link: W-E5-E6

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-E6	Default:	0.00 ft
To Node:	NZA-E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.50 ft	**Discharge Coefficients**	
Control Elevation:	4.50 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E5-E6	005Yr-024Hr	12.01	0.00	0.00	1.50	1.50	1.50
W-E5-E6	010Yr-024Hr	17.27	0.00	1.77	1.58	1.58	1.58
W-E5-E6	025Yr-072Hr	18.18	0.00	2.06	1.65	1.65	1.65
W-E5-E6	100Yr-072Hr	18.92	0.00	2.08	1.72	1.72	1.72

Weir Link: W-E6-E7

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-E7	Default:	0.00 ft
To Node:	NZA-E6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.03 ft
Control Elevation:	4.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-001Hr	0.00	-4.07	0.01	-1.11	-1.11	-1.11
W-E6-E7	005Yr-024Hr	10.66	-3.34	-1.64	1.10	1.10	1.10
W-E6-E7	010Yr-024Hr	13.97	-2.47	-1.63	1.27	1.27	1.27
W-E6-E7	025Yr-072Hr	15.09	0.00	-2.44	1.37	1.37	1.37
W-E6-E7	100Yr-072Hr	17.67	0.00	2.81	1.61	1.61	1.61

Weir Link: W-E7-E8

Scenario:	Scenario 2
From Node:	NZA-E8
To Node:	NZA-E7
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.36 ft
Control Elevation:	4.36 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E7-E8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E7-E8	005Yr-024Hr	9.77	-1.39	-2.09	1.30	1.30	1.30

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E7-E8	010Yr-024Hr	11.25	0.00	-2.08	1.50	1.50	1.50
W-E7-E8	025Yr-072Hr	12.33	0.00	-2.06	1.52	1.52	1.52
W-E7-E8	100Yr-072Hr	14.67	0.00	-2.06	1.33	1.33	1.33

Weir Link: W-E8-FDOT1A

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	FDOT-1A	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.46 ft	**Discharge Coefficients**	
Control Elevation:	4.46 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT1A	005Yr-001Hr	0.36	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT1A	005Yr-024Hr	5.59	0.00	0.00	1.25	1.25	1.25
W-E8-FDOT1A	010Yr-024Hr	5.75	0.00	-0.01	1.26	1.26	1.26
W-E8-FDOT1A	025Yr-072Hr	2.16	0.00	0.01	0.42	0.42	0.42
W-E8-FDOT1A	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-E8-FDOT5B

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	FDOT-5B	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	

Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.46 ft
Control Elevation:	4.46 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT5B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT5B	005Yr-024Hr	6.46	0.00	-0.05	1.11	1.11	1.11
W-E8-FDOT5B	010Yr-024Hr	9.55	0.00	-3.59	1.27	1.27	1.27
W-E8-FDOT5B	025Yr-072Hr	9.92	0.00	-2.07	1.15	1.15	1.15
W-E8-FDOT5B	100Yr-072Hr	10.63	0.00	-3.08	1.00	1.00	1.00

Weir Link: W-F1-F2

Scenario:	Scenario 2
From Node:	NZA-F1
To Node:	NZA-F2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.23 ft
Control Elevation:	4.23 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-F2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	010Yr-024Hr	0.00	-2.55	0.00	-0.97	-0.97	-0.97
W-F1-F2	025Yr-072Hr	4.98	-11.94	2.07	-1.41	-1.41	-1.41
W-F1-F2	100Yr-072Hr	7.11	-18.98	2.00	-1.84	-1.84	-1.84

Weir Link: W-F1-G1

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.28 ft	Discharge Coefficients	
Control Elevation:	4.28 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-G1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	010Yr-024Hr	0.77	0.00	0.00	0.65	0.65	0.65
W-F1-G1	025Yr-072Hr	8.62	-0.84	-0.03	0.99	0.99	0.99
W-F1-G1	100Yr-072Hr	9.21	-2.87	-1.85	0.98	0.98	0.98

Weir Link: W-F2-F3

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.24 ft	Ref Node:	
Control Elevation:	4.24 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-F3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-F3	005Yr-024Hr	4.01	0.00	0.00	1.13	1.13	1.13
W-F2-F3	010Yr-024Hr	12.53	0.00	0.00	1.65	1.65	1.65
W-F2-F3	025Yr-072Hr	21.85	0.00	0.00	1.99	1.99	1.99
W-F2-F3	100Yr-072Hr	27.57	0.00	-2.19	2.51	2.51	2.51

Weir Link: W-F2-G2

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-F2	Default:	0.00 ft
To Node:	NZA-G2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.01 ft	Discharge Coefficients	
Control Elevation:	4.01 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-G2	005Yr-024Hr	4.30	0.00	0.00	1.15	1.15	1.15
W-F2-G2	010Yr-024Hr	12.19	0.00	0.00	1.63	1.63	1.63
W-F2-G2	025Yr-072Hr	18.64	0.00	1.94	1.86	1.86	1.86
W-F2-G2	100Yr-072Hr	23.52	0.00	-1.25	2.14	2.14	2.14

Weir Link: W-F3-F4

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Gravel Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F3-F4	005Yr-024Hr	0.00	-1.77	0.00	0.00	0.00	0.00
W-F3-F4	010Yr-024Hr	0.00	-9.20	0.00	0.00	0.00	0.00
W-F3-F4	025Yr-072Hr	0.00	-16.17	0.00	-1.79	-1.79	-1.79
W-F3-F4	100Yr-072Hr	0.00	-25.96	0.00	-2.36	-2.36	-2.36

Weir Link: W-F4-F5

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-F5	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	5.03 ft
Control Elevation:	5.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	010Yr-024Hr	4.35	0.00	0.00	1.16	1.16	1.16
W-F4-F5	025Yr-072Hr	11.95	0.00	0.00	1.62	1.62	1.62
W-F4-F5	100Yr-072Hr	22.67	0.00	0.00	2.06	2.06	2.06

Weir Link: W-F4-G4

Scenario:	Scenario 2
From Node:	NZA-F4
To Node:	NZA-G4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.05 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-G4	025Yr-072Hr	2.87	0.00	0.00	1.01	1.01	1.01
W-F4-G4	100Yr-072Hr	7.86	0.00	1.92	1.14	1.14	1.14

Weir Link: W-F5-F6

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-F6	Default:	0.00 ft
To Node:	NZA-F5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.81 ft	Discharge Coefficients	
Control Elevation:	4.81 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F5-F6	005Yr-024Hr	0.14	-1.69	0.00	-0.81	-0.81	-0.81
W-F5-F6	010Yr-024Hr	4.18	-2.48	0.02	1.12	1.12	1.12
W-F5-F6	025Yr-072Hr	5.91	-2.67	-1.56	-0.76	-0.76	-0.76
W-F5-F6	100Yr-072Hr	12.94	-4.70	-1.63	1.18	1.18	1.18

Weir Link: W-F6-F7

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-F7	Default:	0.00 ft
To Node:	NZA-F6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.63 ft	Discharge Coefficients	

Control Elevation:	4.63 ft		
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F6-F7	005Yr-024Hr	3.12	-5.04	-0.01	1.03	1.03	1.03
W-F6-F7	010Yr-024Hr	8.04	-7.29	1.69	1.40	1.40	1.40
W-F6-F7	025Yr-072Hr	2.13	-7.73	1.67	-0.94	-0.94	-0.94
W-F6-F7	100Yr-072Hr	6.79	-10.06	1.67	-1.12	-1.12	-1.12

Weir Link: W-F7-F8

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-F7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.60 ft	Discharge Coefficients	
Control Elevation:	4.60 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F7-F8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F7-F8	005Yr-024Hr	0.49	-7.74	0.00	-1.33	-1.33	-1.33
W-F7-F8	010Yr-024Hr	5.13	-11.67	2.09	-1.30	-1.30	-1.30
W-F7-F8	025Yr-072Hr	0.11	-12.24	2.09	-1.29	-1.29	-1.29
W-F7-F8	100Yr-072Hr	0.00	-16.16	2.09	-1.76	-1.76	-1.76

Weir Link: W-F8-F9			
Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-F9	Default:	0.00 ft
To Node:	NZA-F8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.75 ft	Discharge Coefficients	
Control Elevation:	4.75 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-F9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F8-F9	005Yr-024Hr	2.49	0.00	0.00	0.96	0.96	0.96
W-F8-F9	010Yr-024Hr	6.23	0.00	0.04	1.28	1.28	1.28
W-F8-F9	025Yr-072Hr	7.19	-0.01	-1.68	1.28	1.28	1.28
W-F8-F9	100Yr-072Hr	6.38	-0.32	-1.50	0.82	0.82	0.82

Weir Link: W-F8-G8			
Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	0.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-G8	005Yr-001Hr	5.07	-0.22	0.00	0.46	0.46	0.46
W-F8-G8	005Yr-024Hr	8.14	-0.02	0.05	0.74	0.74	0.74
W-F8-G8	010Yr-024Hr	10.69	-0.03	0.03	0.97	0.97	0.97
W-F8-G8	025Yr-072Hr	11.16	-0.01	-0.04	1.01	1.01	1.01
W-F8-G8	100Yr-072Hr	11.84	-0.02	0.04	1.08	1.08	1.08

Weir Link: W-F9-FDOT2A

Scenario:	Scenario 2	Bottom Clip	
From Node:	FDOT-2A	Default:	0.00 ft
To Node:	NZA-F9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F9-FDOT2A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2A	005Yr-024Hr	0.78	0.00	0.00	0.65	0.65	0.65
W-F9-FDOT2A	010Yr-024Hr	3.68	0.00	0.00	1.08	1.08	1.08
W-F9-FDOT2A	025Yr-072Hr	5.96	0.00	-0.36	1.27	1.27	1.27
W-F9-FDOT2A	100Yr-072Hr	5.59	0.00	-0.04	1.24	1.24	1.24

Weir Link: W-G1-G2

Scenario:	Scenario 2
From Node:	NZA-G2
To Node:	NZA-G1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.36 ft
Control Elevation:	4.36 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G1-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	025Yr-072Hr	1.40	-10.84	-0.01	-1.48	-1.48	-1.48
W-G1-G2	100Yr-072Hr	5.49	-11.52	1.73	-1.53	-1.53	-1.53

Weir Link: W-G2-G3

Scenario:	Scenario 2
From Node:	NZA-G2
To Node:	NZA-G3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.13 ft
Control Elevation:	4.13 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-G3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	010Yr-024Hr	0.00	-9.51	0.00	0.00	0.00	0.00
W-G2-G3	025Yr-072Hr	0.00	-23.08	0.34	-2.10	-2.10	-2.10
W-G2-G3	100Yr-072Hr	0.00	-29.35	1.39	-2.67	-2.67	-2.67

Weir Link: W-G2-I1

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-I1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.29 ft	Discharge Coefficients	
Control Elevation:	4.29 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-I1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	025Yr-072Hr	17.67	0.00	0.00	1.85	1.85	1.85
W-G2-I1	100Yr-072Hr	21.56	0.00	-1.82	1.96	1.96	1.96

Weir Link: W-G2-OUTFALL

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	OUTFALL (89th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	5.00 ft
Control Elevation:	5.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	100Yr-072Hr	5.22	0.00	0.00	1.23	1.23	1.23

Weir Link: W-G3-G4

Scenario:	Scenario 2
From Node:	NZA-G3
To Node:	NZA-G4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.73 ft
Control Elevation:	4.73 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G3-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	010Yr-024Hr	0.00	-5.18	0.00	0.00	0.00	0.00
W-G3-G4	025Yr-072Hr	0.00	-17.67	0.00	-1.85	-1.85	-1.85
W-G3-G4	100Yr-072Hr	0.00	-28.62	0.00	-2.60	-2.60	-2.60

Weir Link: W-G4-G5

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-G4	Default:	0.00 ft
To Node:	NZA-G5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.84 ft	Discharge Coefficients	
Control Elevation:	4.84 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G4-G5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	005Yr-024Hr	0.00	-0.09	0.00	0.00	0.00	0.00
W-G4-G5	010Yr-024Hr	0.00	-8.51	0.00	-1.45	-1.45	-1.45
W-G4-G5	025Yr-072Hr	0.00	-16.20	0.00	-1.79	-1.79	-1.79
W-G4-G5	100Yr-072Hr	0.00	-20.75	1.25	-1.89	-1.89	-1.89

Weir Link: W-G5-G6

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G5-G6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G5-G6	005Yr-024Hr	5.09	0.00	0.00	1.10	1.10	1.10
W-G5-G6	010Yr-024Hr	7.47	-0.58	-1.70	1.11	1.11	1.11
W-G5-G6	025Yr-072Hr	12.71	-0.40	-2.78	1.16	1.16	1.16
W-G5-G6	100Yr-072Hr	13.59	0.00	-1.54	1.24	1.24	1.24

Weir Link: W-G6-G8

Scenario:	Scenario 2
From Node:	NZA-G6
To Node:	NZA-G7
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.55 ft
Control Elevation:	4.55 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G6-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G6-G8	005Yr-024Hr	0.71	-2.99	0.01	-0.89	-0.89	-0.89
W-G6-G8	010Yr-024Hr	2.33	-4.30	1.37	-1.05	-1.05	-1.05
W-G6-G8	025Yr-072Hr	1.73	-8.21	1.34	-1.09	-1.09	-1.09
W-G6-G8	100Yr-072Hr	0.00	-8.39	1.94	-1.17	-1.17	-1.17

Weir Link: W-G7-G8

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-G7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.44 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G7-G8	005Yr-024Hr	6.01	0.00	0.00	1.29	1.29	1.29
W-G7-G8	010Yr-024Hr	7.73	-0.49	1.94	1.40	1.40	1.40
W-G7-G8	025Yr-072Hr	8.30	-2.18	1.23	1.43	1.43	1.43
W-G7-G8	100Yr-072Hr	7.76	-5.74	-1.87	1.40	1.40	1.40

Weir Link: W-G8-G9

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-G8	Default:	0.00 ft
To Node:	NZA-G9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	4.63 ft
Control Elevation:	4.63 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-G9	005Yr-024Hr	0.00	-4.59	0.00	-1.18	-1.18	-1.18
W-G8-G9	010Yr-024Hr	0.00	-8.60	0.02	-1.44	-1.44	-1.44
W-G8-G9	025Yr-072Hr	0.00	-10.55	-1.59	-1.53	-1.53	-1.53
W-G8-G9	100Yr-072Hr	0.00	-10.76	-1.45	-1.54	-1.54	-1.54

Weir Link: W-G8-I7

Scenario:	Scenario 2
From Node:	NZA-I7
To Node:	NZA-G8
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.70 ft
Control Elevation:	4.70 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-I7	005Yr-024Hr	0.00	-3.78	0.00	0.00	0.00	0.00
W-G8-I7	010Yr-024Hr	0.00	-17.04	0.00	-1.81	-1.81	-1.81

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-I7	025Yr-072Hr	0.00	-21.55	1.25	-1.96	-1.96	-1.96
W-G8-I7	100Yr-072Hr	0.00	-22.08	1.42	-2.01	-2.01	-2.01

Weir Link: W-G9-FDOT3A

Scenario:	Scenario 2	Bottom Clip	
From Node:	FDOT-3A	Default:	0.00 ft
To Node:	NZA-G9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.31 ft	Discharge Coefficients	
Control Elevation:	4.31 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G9-FDOT3A	005Yr-001Hr	1.76	0.00	0.00	0.53	0.53	0.53
W-G9-FDOT3A	005Yr-024Hr	3.80	0.00	2.57	0.92	0.92	0.92
W-G9-FDOT3A	010Yr-024Hr	3.82	0.00	1.13	0.90	0.90	0.90
W-G9-FDOT3A	025Yr-072Hr	4.52	0.00	1.06	0.94	0.94	0.94
W-G9-FDOT3A	100Yr-072Hr	4.13	0.00	0.77	1.09	1.09	1.09

Weir Link: W-I1-I2

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-I2	Default:	0.00 ft
To Node:	NZA-I1	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.03 ft
Control Elevation:	4.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-I2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-I2	005Yr-024Hr	7.95	0.00	0.00	1.42	1.42	1.42
W-I1-I2	010Yr-024Hr	14.33	0.00	0.00	1.72	1.72	1.72
W-I1-I2	025Yr-072Hr	19.28	0.00	-1.98	1.90	1.90	1.90
W-I1-I2	100Yr-072Hr	28.53	0.00	-2.07	2.59	2.59	2.59

Weir Link: W-I1-OUTFALL

Scenario:	Scenario 2
From Node:	NZA-I1
To Node:	OUTFALL (88th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	5.00 ft
Control Elevation:	5.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	100Yr-072Hr	3.21	0.00	0.00	1.05	1.05	1.05

Weir Link: W-I2-I3

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-I2	Default:	0.00 ft
To Node:	NZA-I3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.55 ft	**Discharge Coefficients**	
Control Elevation:	4.55 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I2-I3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I2-I3	005Yr-024Hr	0.00	-6.83	0.00	0.00	0.00	0.00
W-I2-I3	010Yr-024Hr	0.00	-11.11	0.00	0.00	0.00	0.00
W-I2-I3	025Yr-072Hr	0.00	-14.31	0.00	-1.60	-1.60	-1.60
W-I2-I3	100Yr-072Hr	0.00	-21.83	1.55	-1.98	-1.98	-1.98

Weir Link: W-I3-I4

Scenario:	Scenario 2	**Bottom Clip**	

From Node:	NZA-I3		
To Node:	NZA-I4	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.56 ft	Ref Node:	
Control Elevation:	4.56 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I3-I4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I3-I4	005Yr-024Hr	0.10	-3.18	0.00	-0.64	-0.64	-0.64
W-I3-I4	010Yr-024Hr	0.10	-5.23	0.00	-0.76	-0.76	-0.76
W-I3-I4	025Yr-072Hr	0.12	-7.65	0.00	-1.04	-1.04	-1.04
W-I3-I4	100Yr-072Hr	0.16	-14.00	2.06	-1.27	-1.27	-1.27

Weir Link: W-I4-I5

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-I5	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.86 ft	Discharge Coefficients	
Control Elevation:	4.86 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I4-I5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	010Yr-024Hr	0.06	-0.02	0.00	0.00	0.00	0.00
W-I4-I5	025Yr-072Hr	3.71	-0.62	0.00	1.10	1.10	1.10
W-I4-I5	100Yr-072Hr	9.29	-0.67	0.01	1.45	1.45	1.45

Weir Link: W-I5-I6

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.70 ft	Discharge Coefficients	
Control Elevation:	4.70 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I5-I6	005Yr-024Hr	0.00	-1.64	0.00	0.00	0.00	0.00
W-I5-I6	010Yr-024Hr	0.00	-4.49	0.00	-1.06	-1.06	-1.06
W-I5-I6	025Yr-072Hr	0.59	-6.84	0.01	-1.32	-1.32	-1.32
W-I5-I6	100Yr-072Hr	3.91	-11.55	-1.09	-1.60	-1.60	-1.60

Weir Link: W-I6-I7

Scenario:	Scenario 2	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	11.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-I7	005Yr-024Hr	0.00	-1.96	0.00	0.00	0.00	0.00
W-I6-I7	010Yr-024Hr	0.00	-13.15	0.00	-2.39	-2.39	-2.39
W-I6-I7	025Yr-072Hr	0.00	-16.19	0.00	-2.94	-2.94	-2.94
W-I6-I7	100Yr-072Hr	0.00	-17.96	-0.01	-3.27	-3.27	-3.27

Weir Link: W-I6-OUTFALL

Scenario:	Scenario 2
From Node:	NZA-I6
To Node:	OUTFALL (CARLYLE)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	7.30 ft
Control Elevation:	7.30 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-I7-I8

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-I8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.58 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I7-I8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I7-I8	005Yr-024Hr	0.00	-5.71	0.00	-1.25	-1.25	-1.25
W-I7-I8	010Yr-024Hr	0.00	-12.45	0.00	-1.64	-1.64	-1.64
W-I7-I8	025Yr-072Hr	0.00	-15.67	-2.04	-1.77	-1.77	-1.77
W-I7-I8	100Yr-072Hr	0.00	-19.08	-2.07	-1.88	-1.88	-1.88

Weir Link: W-I8-FDOT4A

Scenario:	Scenario 2	**Bottom Clip**	
From Node:	FDOT-4A	Default:	0.00 ft
To Node:	NZA-I8	Op Table:	

Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	3.87 ft
Control Elevation:	3.87 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Scenario 2]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I8-FDOT4A	005Yr-001Hr	3.72	0.00	2.25	0.84	0.84	0.84
W-I8-FDOT4A	005Yr-024Hr	5.56	0.00	-1.47	1.25	1.25	1.25
W-I8-FDOT4A	010Yr-024Hr	7.31	0.00	1.41	1.26	1.26	1.26
W-I8-FDOT4A	025Yr-072Hr	8.28	0.00	2.95	1.25	1.25	1.25
W-I8-FDOT4A	100Yr-072Hr	9.21	0.00	3.05	1.23	1.23	1.23

Rating Curve: RC-0001

Scenario: Scenario 2
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	39.60
9.90	39.60

Comment: Surfside Drainage Wells:
DW 1: 620 GPM/FT
DW 2: 800 GPM/FT
DW 3: 800 GPM/FT

Rating Curve: RC-0002

Scenario: Scenario 2
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	33.00

Upstream Stage [ft]	Discharge [cfs]
9.90	33.00

Comment: Surfside Drainage Wells:
DW 4: 500 GPM/FT
DW 5: 800 GPM/FT
DW 6: 550 GPM/FT

Rating Curve: RC-0003

Scenario: Scenario 2
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	27.67
9.90	27.67

Comment: Surfside Drainage Wells:
DW 7: 500 GPM/FT
DW 8: 400 GPM/FT
DW 9: 650 GPM/FT

Rating Curve: RC-0004

Scenario: Scenario 2
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	14.20
8.00	14.20

Comment: Existing Surfside Pump Station (92nd)

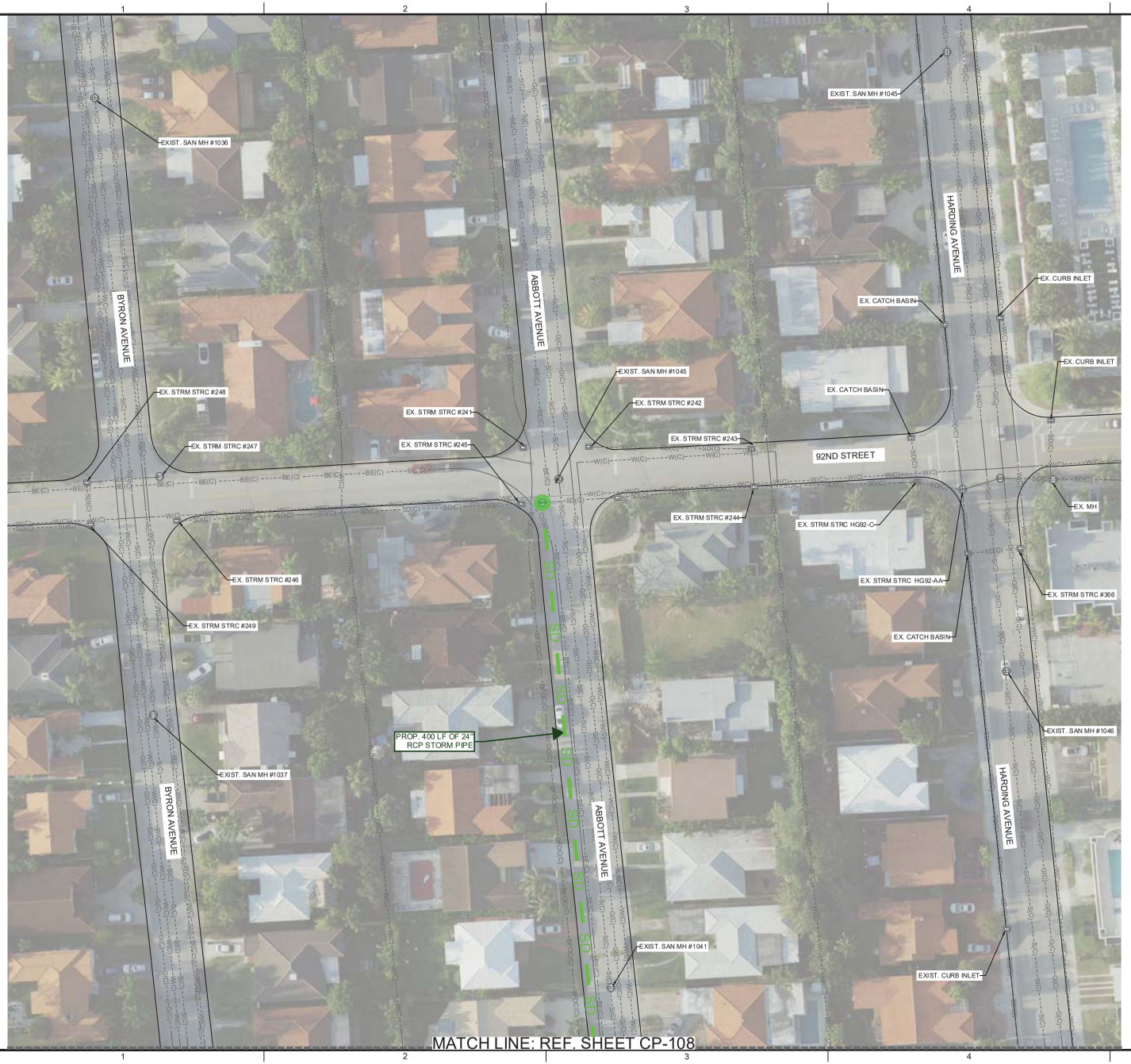
Rating Curve: RC-0005

Scenario: Scenario 2
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	42.88
9.90	42.88

Comment: FDOT Drainage Wells:
600 GPM/FT

Appendix L – Scenario Three



N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #3

SHEET NUMBER CP-107

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcidoma On Wednesday, September 23, 2020 8:40:28 AM

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #3

SHEET NUMBER CP-108

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 8:40:28 AM

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #3

SHEET NUMBER CP-109

PROJECT NUMBER **11494.00**

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 8:40:28 AM

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
Project: Abbott Avenue Drainage Improvements
Project No. 11494.00

Scenario 3

ABBOTT AVENUE IMPROVEMENTS (90th & 92nd)

Updated 6/8/21

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT
	Construction Costs				
1	Mobilization	1	LS	$10,000.00	$10,000.00
2	Maintenance of Traffic	1	LS	$10,000.00	$10,000.00
3	24" HDPE Drainage Pipe (Non. Perf.)	1,627	LF	$108.00	$175,716.00
4	Remove Existing Drainage Structure	8	EA	$2,206.74	$17,653.92
5	Drainage Manhole	8	EA	$7,923.77	$63,390.16
5	Pavement Restoration	1,500	SY	$54.00	$81,000.00
6	Restore/Restripe Pavement Markings	1	LS	$10,000.00	$10,000.00
7	Contingency (30%)	1	LS	$110,328.02	$110,328.02
				Subtotal	**$478,088.10**
	Additional Services				
1	Survey, Subsurface Utility Exploration (SUE) & Design Testing	1	LS	4.0%	$19,123.52
2	Professional Design Services & Permitting	1	LS	10.0%	$47,808.81
3	Construction Administration Services	1	LS	6.0%	$28,685.29
				Subtotal	**$95,617.62**
				TOTAL OPININION OF PROBABLE COST	**$573,705.72**

NOTES:

1 The quantities and unit prices are obtained from various sources (including contract bids for similar projects).
2 The unit prices are based on current construction costs (as of 6/12/21)
3 The locations and sizes of the existing utilities are based on best available information and cannot be guaranteed for their accuracy.
4 No utility coordination and/or relocation included in this estimate.
5 The quantities are based on the Proposed Exhibit (Scenerio 3)

Background Image: NETWORK DIAGRAM

---Unable to Generate Chart---

Simulation: 005Yr-001Hr

Scenario: OPTION 3
Run Date/Time: 6/13/2021 4:49:35 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.20 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 005Yr-024Hr

Scenario: OPTION 3
Run Date/Time: 6/13/2021 4:49:51 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	6.50 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 010Yr-024Hr

Scenario: OPTION 3
Run Date/Time: 6/13/2021 4:52:08 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~SCSIII-24
Rainfall Amount: 8.52 in
Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 025Yr-072Hr

Scenario: OPTION 3
Run Date/Time: 6/13/2021 4:54:35 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.10 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100Yr-072Hr

Scenario: OPTION 3
Run Date/Time: 6/13/2021 5:00:54 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	17.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simple Basin: A1

Scenario:	OPTION 3
Node:	NZA-A1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7600 ac
Curve Number:	85.0

% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A2

Scenario:	OPTION 3
Node:	NZA-A2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A3

Scenario:	OPTION 3
Node:	NZA-A3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A4

Scenario:	OPTION 3
Node:	NZA-A4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA1

Scenario:	OPTION 3
Node:	NZA-AA1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA2

Scenario:	OPTION 3
Node:	NZA-AA2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA3

Scenario:	OPTION 3
Node:	NZA-AA3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA4

Scenario:	OPTION 3
Node:	NZA-AA4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA5

Scenario:	OPTION 3
Node:	NZA-AA5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B1

Scenario:	OPTION 3
Node:	NZA-B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B2

Scenario:	OPTION 3
Node:	NZA-B2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B3

Scenario:	OPTION 3
Node:	NZA-B3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B4

Scenario:	OPTION 3
Node:	NZA-B4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C1

Scenario:	OPTION 3
Node:	NZA-C1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C2

Scenario:	OPTION 3
Node:	NZA-C2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D1

Scenario:	OPTION 3
Node:	NZA-D1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D2

Scenario:	OPTION 3
Node:	NZA-D2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D3

Scenario:	OPTION 3
Node:	NZA-D3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D4

Scenario:	OPTION 3
Node:	NZA-D4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D5

Scenario:	OPTION 3
Node:	NZA-D5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.8200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D6

Scenario:	OPTION 3
Node:	NZA-D6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	9.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D7

Scenario:	OPTION 3
Node:	NZA-D7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E1

Scenario:	OPTION 3
Node:	NZA-E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E2

Scenario:	OPTION 3
Node:	NZA-E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E3

Scenario:	OPTION 3
Node:	NZA-E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E4

Scenario:	OPTION 3
Node:	NZA-E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E5

Scenario:	OPTION 3
Node:	NZA-E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E6

Scenario:	OPTION 3
Node:	NZA-E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E7

Scenario:	OPTION 3
Node:	NZA-E7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E8

Scenario:	OPTION 3
Node:	NZA-E8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F1

Scenario:	OPTION 3
Node:	NZA-F1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F2

Scenario:	OPTION 3
Node:	NZA-F2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F3

Scenario:	OPTION 3
Node:	NZA-F3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F4

Scenario:	OPTION 3
Node:	NZA-F4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F5

Scenario:	OPTION 3
Node:	NZA-F5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F6

Scenario:	OPTION 3
Node:	NZA-F6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F7

Scenario:	OPTION 3
Node:	NZA-F7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F8

Scenario:	OPTION 3
Node:	NZA-F8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F9

Scenario:	OPTION 3
Node:	NZA-F9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1A

Scenario:	OPTION 3
Node:	FDOT-1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1B

Scenario:	OPTION 3
Node:	FDOT-1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2A

Scenario:	OPTION 3
Node:	FDOT-2A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2B

Scenario:	OPTION 3
Node:	FDOT-2B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3A

Scenario:	OPTION 3
Node:	FDOT-3A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.5900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3B

Scenario:	OPTION 3
Node:	FDOT-3B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4A

Scenario:	OPTION 3
Node:	FDOT-4A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.3400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4B

Scenario:	OPTION 3
Node:	FDOT-4B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-5B

Scenario:	OPTION 3
Node:	FDOT-5B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G1

Scenario:	OPTION 3
Node:	NZA-G1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G2

Scenario:	OPTION 3
Node:	NZA-G2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G3

Scenario:	OPTION 3
Node:	NZA-G3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G4

Scenario:	OPTION 3
Node:	NZA-G4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G5

Scenario:	OPTION 3
Node:	NZA-G5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G6

Scenario:	OPTION 3
Node:	NZA-G6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G7

Scenario:	OPTION 3
Node:	NZA-G7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G8

Scenario:	OPTION 3
Node:	NZA-G8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G9

Scenario:	OPTION 3
Node:	NZA-G9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I1

Scenario:	OPTION 3
Node:	NZA-I1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I2

Scenario:	OPTION 3
Node:	NZA-I2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I3

Scenario:	OPTION 3
Node:	NZA-I3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I4

Scenario:	OPTION 3
Node:	NZA-I4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I5

Scenario:	OPTION 3
Node:	NZA-I5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I6

Scenario:	OPTION 3
Node:	NZA-I6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I7

Scenario:	OPTION 3
Node:	NZA-I7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: I8

Scenario: OPTION 3
Node: NZA-I8
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.9500 ac
Curve Number: 85.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: AQUIFER (89th)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (89th)	005Yr-001Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	005Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	010Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	025Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	100Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0

Node: AQUIFER (94th)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (94th)	005Yr-001Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	005Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	010Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	025Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	100Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0

Node: AQUIFER (CARLYLE)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0

Node: FDOT AQUIFER (94TH)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT AQUIFER (CARLYLE)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment: FDOT AQUIFER

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)							
FDOT AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT OUTFALL (94th)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT OUTFALL (CARLYLE)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT-1A

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6200	27007

Stage [ft]	Area [ac]	Area [ft2]
8.00	1.8900	82328

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-001Hr	4.86	4.49	0.0028	3.50	3.36	7275
FDOT-1A	005Yr-024Hr	4.86	4.87	0.0028	7.30	5.80	27264
FDOT-1A	010Yr-024Hr	4.86	5.18	0.0028	9.54	6.11	32574
FDOT-1A	025Yr-072Hr	4.86	5.43	0.0028	9.17	3.74	37138
FDOT-1A	100Yr-072Hr	4.86	5.86	0.0028	12.88	5.38	44601

Node: FDOT-1B

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.72	0.0001	4
5.22	0.4700	20473
8.00	0.8300	36155

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1B	005Yr-001Hr	5.22	4.50	0.0016	10.19	10.16	266
FDOT-1B	005Yr-024Hr	5.22	4.56	0.0016	12.75	12.75	267
FDOT-1B	010Yr-024Hr	5.22	5.08	-0.0019	17.38	17.34	14670
FDOT-1B	025Yr-072Hr	5.22	5.48	-0.0026	20.83	18.72	21967
FDOT-1B	100Yr-072Hr	5.22	5.85	-0.0020	28.40	19.85	24039

Node: FDOT-2A

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.44	0.0001	4
3.94	0.5100	22216
8.00	1.5000	65340

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2A	005Yr-001Hr	3.91	4.48	0.0077	13.56	3.36	28015
FDOT-2A	005Yr-024Hr	3.91	4.86	0.0077	12.24	8.27	31968
FDOT-2A	010Yr-024Hr	3.91	5.16	0.0077	16.59	10.73	35142
FDOT-2A	025Yr-072Hr	3.91	5.40	0.0077	20.27	12.16	37780
FDOT-2A	100Yr-072Hr	3.91	5.81	0.0077	27.64	15.39	42062

Node: FDOT-2B

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.21 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.71	0.0001	4
5.21	0.6200	27007
8.00	1.2300	53579

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2B	005Yr-001Hr	5.21	2.51	0.0176	38.27	31.74	196
FDOT-2B	005Yr-024Hr	5.21	2.86	0.0176	39.67	39.69	196
FDOT-2B	010Yr-024Hr	5.21	3.73	0.0176	48.00	47.94	196
FDOT-2B	025Yr-072Hr	5.21	4.29	0.0176	50.58	50.47	196
FDOT-2B	100Yr-072Hr	5.21	4.90	0.0176	53.86	53.67	10338

Node: FDOT-3A

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.38	0.0001	4
4.88	0.5500	23958
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3A	005Yr-001Hr	4.88	4.48	0.0225	28.26	9.60	4796
FDOT-3A	005Yr-024Hr	4.88	4.83	0.0225	28.26	14.90	21578
FDOT-3A	010Yr-024Hr	4.88	5.12	0.0225	28.26	14.97	26699
FDOT-3A	025Yr-072Hr	4.88	5.35	0.0225	28.26	16.28	29230
FDOT-3A	100Yr-072Hr	4.88	5.71	0.0225	28.26	22.89	33194

Node: FDOT-3B

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.40 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.99	0.0001	4
4.40	0.6200	27007
8.00	2.7300	118919

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3B	005Yr-001Hr	4.40	2.54	0.0098	9.82	7.25	100
FDOT-3B	005Yr-024Hr	4.40	2.90	0.0098	9.82	8.53	100
FDOT-3B	010Yr-024Hr	4.40	3.78	0.0098	11.85	11.80	100
FDOT-3B	025Yr-072Hr	4.40	4.35	0.0098	14.48	14.23	23695
FDOT-3B	100Yr-072Hr	4.40	4.97	0.0098	19.74	16.19	41578

Node: FDOT-4A

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.81	0.0001	4
4.31	0.3100	13504
8.00	1.2000	52272

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4A	005Yr-001Hr	4.18	4.47	-0.0275	12.72	28.26	15675
FDOT-4A	005Yr-024Hr	4.18	4.80	-0.0275	14.94	28.26	19156
FDOT-4A	010Yr-024Hr	4.18	5.09	-0.0275	21.62	28.26	22148
FDOT-4A	025Yr-072Hr	4.18	5.29	-0.0275	26.11	28.26	24230
FDOT-4A	100Yr-072Hr	4.18	5.59	-0.0275	32.66	30.18	27293

Node: FDOT-4B

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.40	0.0001	4
3.90	0.6300	27443
8.00	1.7500	76230

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4B	005Yr-001Hr	3.90	4.13	0.0008	10.65	0.31	30151
FDOT-4B	005Yr-024Hr	3.90	4.99	0.0001	9.95	4.05	40464
FDOT-4B	010Yr-024Hr	3.90	5.33	0.0001	12.27	6.44	44524
FDOT-4B	025Yr-072Hr	3.90	5.65	0.0001	15.00	5.23	48263
FDOT-4B	100Yr-072Hr	3.90	6.21	0.0001	20.45	6.30	54902

Node: FDOT-5B

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6600	28750
8.00	2.2300	97139

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-5B	005Yr-001Hr	4.86	4.14	0.0008	3.35	3.31	100
FDOT-5B	005Yr-024Hr	4.86	4.98	0.0001	6.47	6.12	31434
FDOT-5B	010Yr-024Hr	4.86	5.32	0.0001	9.44	8.86	38697
FDOT-5B	025Yr-072Hr	4.86	5.63	0.0001	10.65	9.51	45460
FDOT-5B	100Yr-072Hr	4.86	6.18	0.0001	13.42	11.52	57521

Node: NZA-A1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.60 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.10	0.0001	4
3.60	0.5200	22651
8.00	1.3600	59242

Comment: As-built Structure D-195

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A1	005Yr-001Hr	3.60	3.18	0.0010	10.77	10.65	3559
NZA-A1	005Yr-024Hr	3.60	3.76	-0.0026	16.89	14.99	23959
NZA-A1	010Yr-024Hr	3.60	4.19	-0.0030	28.66	27.58	27603
NZA-A1	025Yr-072Hr	3.60	4.35	-0.0033	38.86	37.79	28912
NZA-A1	100Yr-072Hr	3.60	4.68	-0.0023	54.36	52.72	31664

Node: NZA-A2

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4800	20909
8.00	1.6200	70567

Comment: AS-BUILT INLET CA-95

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A2	005Yr-001Hr	4.24	4.27	0.0008	9.92	4.80	21313
NZA-A2	005Yr-024Hr	4.24	4.87	0.0006	13.80	12.70	29223
NZA-A2	010Yr-024Hr	4.24	5.04	0.0006	23.37	21.30	31490
NZA-A2	025Yr-072Hr	4.24	5.15	0.0006	30.88	28.98	32882
NZA-A2	100Yr-072Hr	4.24	5.43	0.0006	44.93	43.50	36593

Node: NZA-A3

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.95	0.0001	4
4.45	0.6200	27007
8.00	2.2100	96268

Comment: AS-BUILT STRUCTURE BY95

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A3	005Yr-001Hr	4.45	4.53	0.0007	10.45	3.15	28562
NZA-A3	005Yr-024Hr	4.45	4.95	-0.0007	12.57	8.02	36769
NZA-A3	010Yr-024Hr	4.45	5.08	-0.0006	17.47	12.92	39216
NZA-A3	025Yr-072Hr	4.45	5.18	-0.0005	21.95	17.48	41248
NZA-A3	100Yr-072Hr	4.45	5.74	-0.0004	38.04	32.11	52234

Node: NZA-A4

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.6400	27878
8.00	2.2900	99752

Comment: As-built Structrure AB95

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A4	005Yr-001Hr	4.80	4.50	0.0007	14.98	14.36	11349
NZA-A4	005Yr-024Hr	4.80	5.09	-0.0007	12.19	10.84	34336
NZA-A4	010Yr-024Hr	4.80	5.22	-0.0007	16.68	9.63	37303
NZA-A4	025Yr-072Hr	4.80	5.48	-0.0007	23.97	16.24	43097
NZA-A4	100Yr-072Hr	4.80	5.83	-0.0007	36.47	24.18	51020

Node: NZA-AA1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1000	4356
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA1	005Yr-001Hr	4.00	3.09	0.0010	11.20	11.20	308
NZA-AA1	005Yr-024Hr	4.00	3.21	0.0010	13.27	13.26	308
NZA-AA1	010Yr-024Hr	4.00	3.45	0.0010	17.53	17.53	308
NZA-AA1	025Yr-072Hr	4.00	3.58	0.0010	20.04	20.04	995
NZA-AA1	100Yr-072Hr	4.00	3.79	0.0010	24.39	24.36	2809

Node: NZA-AA2

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.0900	3920
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA2	005Yr-001Hr	4.00	3.17	0.0010	9.05	9.04	381
NZA-AA2	005Yr-024Hr	4.00	3.30	0.0010	10.67	10.66	381
NZA-AA2	010Yr-024Hr	4.00	3.55	0.0010	14.02	14.03	766
NZA-AA2	025Yr-072Hr	4.00	3.69	0.0010	15.98	16.02	1822
NZA-AA2	100Yr-072Hr	4.00	3.91	0.0010	19.35	19.43	3548

Node: NZA-AA3

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.5200	22651
8.00	1.0800	47045

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA3	005Yr-001Hr	4.00	3.22	0.0026	7.04	7.02	327
NZA-AA3	005Yr-024Hr	4.00	3.35	0.0026	8.26	8.23	328
NZA-AA3	010Yr-024Hr	4.00	3.61	0.0026	10.84	10.81	4969
NZA-AA3	025Yr-072Hr	4.00	3.75	0.0026	12.62	12.41	11324
NZA-AA3	100Yr-072Hr	4.00	3.98	0.0026	15.98	15.10	21822

Node: NZA-AA4

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1300	5663
8.00	0.7900	34412

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA4	005Yr-001Hr	4.00	3.22	0.0044	18.47	6.17	375
NZA-AA4	005Yr-024Hr	4.00	3.36	0.0044	18.47	6.17	375
NZA-AA4	010Yr-024Hr	4.00	3.62	0.0044	18.47	7.78	1537
NZA-AA4	025Yr-072Hr	4.00	3.76	0.0044	18.47	8.91	3165
NZA-AA4	100Yr-072Hr	4.00	4.00	0.0044	18.47	10.94	5848

Node: NZA-AA5

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1200	5227
8.00	0.4300	18731

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA5	005Yr-001Hr	4.00	3.50	-0.0066	3.27	19.35	404
NZA-AA5	005Yr-024Hr	4.00	3.50	-0.0066	3.71	19.35	404
NZA-AA5	010Yr-024Hr	4.00	3.63	-0.0066	4.76	19.35	1522
NZA-AA5	025Yr-072Hr	4.00	3.77	-0.0066	5.63	19.35	3029
NZA-AA5	100Yr-072Hr	4.00	4.01	-0.0066	7.35	19.35	5430

Node: NZA-AA7

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4700	20473
8.00	0.8800	38333

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA7	005Yr-001Hr	8.00	4.49	0.0007	14.36	0.00	22643
NZA-AA7	005Yr-024Hr	8.00	5.09	-0.0020	10.73	3.18	25328
NZA-AA7	010Yr-024Hr	8.00	5.22	-0.0017	8.80	2.92	25917
NZA-AA7	025Yr-072Hr	8.00	5.48	-0.0014	9.57	2.98	27068
NZA-AA7	100Yr-072Hr	8.00	5.83	-0.0002	13.18	4.10	28643

Node: NZA-B1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.17 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.67	0.0001	4
4.17	0.7000	30492
8.00	1.9500	84942

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B1	005Yr-001Hr	4.17	2.78	-0.0059	31.65	32.90	100
NZA-B1	005Yr-024Hr	4.17	3.15	-0.0062	37.03	37.55	100
NZA-B1	010Yr-024Hr	4.17	3.80	-0.0062	41.10	40.63	7965
NZA-B1	025Yr-072Hr	4.17	4.16	-0.0110	51.43	50.51	29990
NZA-B1	100Yr-072Hr	4.17	4.68	-0.0080	83.53	81.80	37780

Node: NZA-B2

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.73 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.23	0.0001	4
4.73	0.5200	22651
8.00	1.6900	73616

Comment: As-built Structure EX-283

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B2	005Yr-001Hr	4.73	3.06	-0.0045	14.86	15.34	100
NZA-B2	005Yr-024Hr	4.73	3.66	-0.0049	19.77	20.10	100
NZA-B2	010Yr-024Hr	4.73	4.55	-0.0049	25.41	23.90	14585
NZA-B2	025Yr-072Hr	4.73	4.78	-0.0050	31.91	30.33	23471
NZA-B2	100Yr-072Hr	4.73	5.07	-0.0117	44.25	43.06	27936

Node: NZA-B3

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.83 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.33	0.0001	4
4.83	0.5500	23958
8.00	1.0800	47045

Comment: As-built Structure EX-291

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B3	005Yr-001Hr	4.83	3.21	-0.0033	6.04	6.06	100
NZA-B3	005Yr-024Hr	4.83	4.00	-0.0034	8.95	9.08	100
NZA-B3	010Yr-024Hr	4.83	4.77	-0.0039	13.80	14.31	21040
NZA-B3	025Yr-072Hr	4.83	4.90	-0.0095	17.81	17.34	24493
NZA-B3	100Yr-072Hr	4.83	5.26	-0.0092	29.07	27.81	27126

Node: NZA-B4

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3400	14810
8.00	1.4300	62291

Comment: AS-BUILT STRUCTURE EX-295

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B4	005Yr-001Hr	4.80	3.22	-0.0081	19.19	19.22	100
NZA-B4	005Yr-024Hr	4.80	4.05	-0.0081	26.29	26.40	100
NZA-B4	010Yr-024Hr	4.80	5.02	-0.0085	36.09	34.11	18136
NZA-B4	025Yr-072Hr	4.80	5.47	-0.0081	37.89	39.53	24737
NZA-B4	100Yr-072Hr	4.80	5.82	-0.0081	44.64	40.44	29938

Node: NZA-C1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.6800	29621
8.00	2.1100	91912

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C1	005Yr-001Hr	4.44	3.87	-0.0008	6.93	6.98	100
NZA-C1	005Yr-024Hr	4.44	4.33	-0.0010	8.34	7.58	22830
NZA-C1	010Yr-024Hr	4.44	4.91	-0.0019	12.09	7.86	37807
NZA-C1	025Yr-072Hr	4.44	5.16	-0.0022	16.66	16.31	42266
NZA-C1	100Yr-072Hr	4.44	5.40	-0.0020	29.93	29.75	46442

Node: NZA-C2

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 5.78 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
5.28	0.0001	4
5.78	0.5000	21780
8.00	1.3900	60548

Comment: AS-BUILT STRUCTURE EX-404.

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C2	005Yr-001Hr	5.78	5.86	0.0013	9.36	5.89	23198
NZA-C2	005Yr-024Hr	5.78	5.96	-0.0008	11.25	10.04	24938
NZA-C2	010Yr-024Hr	5.78	6.05	-0.0008	15.64	14.40	26526
NZA-C2	025Yr-072Hr	5.78	6.11	-0.0007	19.12	17.77	27576
NZA-C2	100Yr-072Hr	5.78	6.21	-0.0004	26.07	24.76	29352

Node: NZA-CS-01

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-01	005Yr-001Hr	8.00	2.01	-0.0178	32.90	36.22	100
NZA-CS-01	005Yr-024Hr	8.00	2.02	0.0190	37.55	38.57	100
NZA-CS-01	010Yr-024Hr	8.00	2.13	0.0199	40.63	40.66	100
NZA-CS-01	025Yr-072Hr	8.00	2.29	0.0194	43.03	43.07	100
NZA-CS-01	100Yr-072Hr	8.00	2.47	0.0199	46.75	46.79	100

Node: NZA-CS-02

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.83	0.0010	44

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-02	005Yr-001Hr	8.00	2.01	-0.0146	23.59	28.26	100
NZA-CS-02	005Yr-024Hr	8.00	2.01	0.0155	26.75	29.86	100
NZA-CS-02	010Yr-024Hr	8.00	2.02	0.0170	33.02	33.07	100
NZA-CS-02	025Yr-072Hr	8.00	2.23	0.0169	35.53	35.61	100
NZA-CS-02	100Yr-072Hr	8.00	2.36	0.0170	37.78	37.85	100

Node: NZA-CS-03

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-03	005Yr-001Hr	8.00	3.42	0.0005	25.87	25.85	100
NZA-CS-03	005Yr-024Hr	8.00	3.95	0.0008	31.72	31.72	100
NZA-CS-03	010Yr-024Hr	8.00	4.41	0.0009	36.04	36.04	100
NZA-CS-03	025Yr-072Hr	8.00	4.53	0.0008	37.09	37.09	100
NZA-CS-03	100Yr-072Hr	8.00	4.84	0.0008	39.69	39.69	100

Node: NZA-CS-04

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0010	44

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	005Yr-001Hr	8.00	2.49	-0.0005	6.66	6.66	100
NZA-CS-04	005Yr-024Hr	8.00	2.70	-0.0007	8.25	8.25	100
NZA-CS-04	010Yr-024Hr	8.00	2.90	-0.0007	9.15	9.15	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	025Yr-072Hr	8.00	2.98	-0.0007	9.42	9.42	100
NZA-CS-04	100Yr-072Hr	8.00	3.15	-0.0007	9.97	9.97	100

Node: NZA-CS-05

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-05	005Yr-001Hr	8.00	2.98	0.0006	11.17	11.16	100
NZA-CS-05	005Yr-024Hr	8.00	4.46	-0.0013	15.21	15.17	100
NZA-CS-05	010Yr-024Hr	8.00	4.63	-0.0014	15.45	15.38	100
NZA-CS-05	025Yr-072Hr	8.00	4.85	-0.0015	15.65	15.56	100
NZA-CS-05	100Yr-072Hr	8.00	5.14	-0.0014	15.71	15.62	100

Node: NZA-CS-TOWN

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.15	0.0010	44

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-TOWN	005Yr-001Hr	8.00	2.94	0.0010	11.20	11.20	341
NZA-CS-TOWN	005Yr-024Hr	8.00	3.05	0.0010	13.26	13.26	343
NZA-CS-TOWN	010Yr-024Hr	8.00	3.27	0.0010	17.53	17.53	344
NZA-CS-TOWN	025Yr-072Hr	8.00	3.38	0.0010	20.04	20.03	344
NZA-CS-TOWN	100Yr-072Hr	8.00	3.57	0.0010	24.36	24.36	344

Node: NZA-D1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4400	19166
8.00	1.1600	50530

Comment: AS-BUILT STRUCTURE EX-271

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D1	005Yr-001Hr	3.56	3.01	0.0006	13.64	13.64	100
NZA-D1	005Yr-024Hr	3.56	4.51	-0.0018	30.21	27.43	25866
NZA-D1	010Yr-024Hr	3.56	4.68	-0.0020	43.51	34.91	27071
NZA-D1	025Yr-072Hr	3.56	4.90	-0.0021	49.27	39.45	28667
NZA-D1	100Yr-072Hr	3.56	5.19	-0.0019	53.92	43.36	30704

Node: NZA-D2

Scenario: OPTION 3

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.62 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.12	0.0001	4
3.62	0.4900	21344
8.00	1.4700	64033

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D2	005Yr-001Hr	3.62	3.73	-0.0006	16.93	9.90	22438
NZA-D2	005Yr-024Hr	3.62	4.62	0.0009	32.18	30.16	31102
NZA-D2	010Yr-024Hr	3.62	4.93	0.0009	45.65	40.08	34124
NZA-D2	025Yr-072Hr	3.62	5.17	0.0009	53.25	43.96	36503
NZA-D2	100Yr-072Hr	3.62	5.54	0.0009	60.15	60.08	40087

Node: NZA-D3

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.98 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.48	0.0001	4
3.98	0.4700	20473
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE EX-263

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D3	005Yr-001Hr	3.98	3.96	0.0006	8.60	4.44	19714
NZA-D3	005Yr-024Hr	3.98	4.72	-0.0017	24.65	23.92	28834
NZA-D3	010Yr-024Hr	3.98	5.17	-0.0017	36.77	29.91	33921
NZA-D3	025Yr-072Hr	3.98	5.48	-0.0012	44.53	33.74	37428
NZA-D3	100Yr-072Hr	3.98	6.00	-0.0014	46.46	41.85	43249

Node: NZA-D4

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.16 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.66	0.0001	4
4.16	0.9400	40946
8.00	2.5700	111949

Comment: AS-BUILT STRUCTURE EX-258

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D4	005Yr-001Hr	4.16	4.27	0.0008	13.68	2.32	42991
NZA-D4	005Yr-024Hr	4.16	5.00	-0.0027	24.48	20.77	56570
NZA-D4	010Yr-024Hr	4.16	5.38	0.0002	37.10	26.61	63593
NZA-D4	025Yr-072Hr	4.16	5.75	0.0001	44.68	29.55	70439
NZA-D4	100Yr-072Hr	4.16	6.40	0.0001	57.03	35.51	82320

Node: NZA-D5

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.9400	40946
8.00	1.5200	66211

Comment: AS-BUILT STRUCTURE EX-253

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D5	005Yr-001Hr	4.46	4.61	0.0010	15.06	2.41	41999
NZA-D5	005Yr-024Hr	4.46	5.02	-0.0011	18.11	14.81	44969
NZA-D5	010Yr-024Hr	4.46	5.50	0.0002	29.54	20.13	48342
NZA-D5	025Yr-072Hr	4.46	5.90	0.0002	38.92	22.10	51208
NZA-D5	100Yr-072Hr	4.46	6.60	0.0001	49.40	25.17	56249

Node: NZA-D6

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.48 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.98	0.0001	4
4.48	1.0400	45302
8.00	1.9600	85378

Comment: AS-BUILT STRUCTURE EX-249

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D6	005Yr-001Hr	4.48	4.57	0.0009	15.78	5.77	46363
NZA-D6	005Yr-024Hr	4.48	5.16	-0.0008	19.25	12.65	53078
NZA-D6	010Yr-024Hr	4.48	5.53	0.0001	26.53	14.15	57212
NZA-D6	025Yr-072Hr	4.48	5.93	0.0002	31.64	14.81	61869
NZA-D6	100Yr-072Hr	4.48	6.66	0.0001	43.14	15.51	70080

Node: NZA-D7

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.90	0.5900	25700
8.00	1.9200	83635

Comment: AS-BUILT STRUCTURE EX-HG92

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D7	005Yr-001Hr	3.90	4.21	0.0006	15.04	3.83	30136
NZA-D7	005Yr-024Hr	3.90	5.16	-0.0027	25.98	7.56	43542
NZA-D7	010Yr-024Hr	3.90	5.53	-0.0022	32.06	7.36	48712
NZA-D7	025Yr-072Hr	3.90	5.94	-0.0018	23.38	8.46	54487
NZA-D7	100Yr-072Hr	3.90	6.66	0.0005	31.79	9.01	64669

Node: NZA-DS1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.20	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS1	005Yr-001Hr	8.00	1.60	0.0000	0.04	0.00	100
NZA-DS1	005Yr-024Hr	8.00	1.60	0.0001	0.06	0.01	100
NZA-DS1	010Yr-024Hr	8.00	1.60	-0.0001	1.03	1.12	100
NZA-DS1	025Yr-072Hr	8.00	1.60	-0.0002	3.43	3.58	100
NZA-DS1	100Yr-072Hr	8.00	1.60	-0.0002	7.15	7.27	100

Node: NZA-DS2

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.86	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS2	005Yr-001Hr	8.00	1.60	0.0000	0.02	0.00	100
NZA-DS2	005Yr-024Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS2	010Yr-024Hr	8.00	1.60	0.0001	0.06	0.01	100
NZA-DS2	025Yr-072Hr	8.00	1.60	0.0001	2.53	2.68	100
NZA-DS2	100Yr-072Hr	8.00	1.60	0.0001	4.78	4.95	100

Node: NZA-DS3

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.90	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS3	005Yr-001Hr	8.00	1.61	-0.0018	25.85	25.91	100
NZA-DS3	005Yr-024Hr	8.00	1.62	-0.0020	31.72	31.75	100
NZA-DS3	010Yr-024Hr	8.00	1.62	-0.0019	36.04	36.06	100
NZA-DS3	025Yr-072Hr	8.00	1.62	-0.0020	37.09	37.11	100
NZA-DS3	100Yr-072Hr	8.00	1.63	-0.0020	39.69	39.71	100

Node: NZA-E1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.5100	22216
8.00	1.8400	80150

Comment: AS-BUILT STRUCTURE BA91

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E1	005Yr-001Hr	4.18	2.68	0.0006	24.92	24.91	100
NZA-E1	005Yr-024Hr	4.18	3.30	0.0003	43.59	43.59	100
NZA-E1	010Yr-024Hr	4.18	4.28	0.0003	60.01	59.04	23760
NZA-E1	025Yr-072Hr	4.18	4.76	0.0006	72.58	66.76	31004
NZA-E1	100Yr-072Hr	4.18	5.03	0.0002	92.17	92.07	35103

Node: NZA-E2

Scenario: OPTION 3

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4500	19602
8.00	1.4400	62726

Comment: AS-BUILT STRUCTURE EX-180

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E2	005Yr-001Hr	4.24	3.57	0.0006	15.29	15.29	100
NZA-E2	005Yr-024Hr	4.24	4.50	-0.0008	27.21	26.69	22561
NZA-E2	010Yr-024Hr	4.24	4.73	-0.0010	36.32	34.82	25278
NZA-E2	025Yr-072Hr	4.24	5.00	-0.0014	42.09	40.54	28280
NZA-E2	100Yr-072Hr	4.24	5.36	-0.0012	51.01	45.19	32414

Node: NZA-E3

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.15	0.0001	4
4.65	0.4600	20038
8.00	1.4500	63162

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E3	005Yr-001Hr	4.65	3.91	0.0006	13.00	12.98	100
NZA-E3	005Yr-024Hr	4.65	4.62	0.0010	27.49	26.75	18878
NZA-E3	010Yr-024Hr	4.65	4.93	0.0010	39.82	36.11	23675
NZA-E3	025Yr-072Hr	4.65	5.18	0.0010	45.35	37.90	26880
NZA-E3	100Yr-072Hr	4.65	5.58	0.0010	49.63	43.99	31981

Node: NZA-E4

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.4600	20038
8.00	1.4900	64904

Comment: AS-BUILT STRUCTURE EX-191

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E4	005Yr-001Hr	4.46	4.33	-0.0039	14.12	7.22	15001
NZA-E4	005Yr-024Hr	4.46	4.84	-0.0044	23.73	23.53	24825
NZA-E4	010Yr-024Hr	4.46	5.13	-0.0044	33.67	30.47	28500
NZA-E4	025Yr-072Hr	4.46	5.41	-0.0045	38.98	31.40	32084
NZA-E4	100Yr-072Hr	4.46	5.92	-0.0045	43.36	37.02	38525

Node: NZA-E5

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.59 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.09	0.0001	4
4.59	0.4600	20038
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE DI91

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E5	005Yr-001Hr	4.59	4.34	0.0046	7.10	12.56	9890
NZA-E5	005Yr-024Hr	4.59	4.85	0.0046	20.02	19.96	23594
NZA-E5	010Yr-024Hr	4.59	5.14	0.0044	27.43	24.58	27390
NZA-E5	025Yr-072Hr	4.59	5.43	0.0046	32.06	26.78	31253
NZA-E5	100Yr-072Hr	4.59	5.94	0.0046	36.25	31.02	38150

Node: NZA-E6

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.72	0.0001	4
4.22	0.4700	20473
8.00	1.4700	64033

Comment: AS-BUILT STRUCTURE EX-CA91

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E6	005Yr-001Hr	4.22	4.33	0.0006	10.37	5.25	21790
NZA-E6	005Yr-024Hr	4.22	4.88	-0.0025	16.46	16.38	28133
NZA-E6	010Yr-024Hr	4.22	5.20	-0.0024	21.50	21.21	31821
NZA-E6	025Yr-072Hr	4.22	5.50	-0.0018	25.82	21.76	35253
NZA-E6	100Yr-072Hr	4.22	6.03	-0.0019	31.07	25.67	41371

Node: NZA-E7

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.06 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.56	0.0001	4
4.06	0.4500	19602
8.00	1.3500	58806

Comment: AS-BUILT STRUCTURE EX-215

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E7	005Yr-001Hr	4.06	4.33	0.0006	11.94	1.90	22312
NZA-E7	005Yr-024Hr	4.06	4.93	-0.0029	16.02	13.61	28266
NZA-E7	010Yr-024Hr	4.06	5.26	-0.0027	22.71	16.70	31598
NZA-E7	025Yr-072Hr	4.06	5.57	-0.0022	25.91	17.18	34635
NZA-E7	100Yr-072Hr	4.06	6.11	-0.0021	26.34	20.51	40029

Node: NZA-E8

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4500	19602
8.00	1.3300	57935

Comment: AS-BUILT STRUCTURE EX-AB91

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E8	005Yr-001Hr	4.00	4.19	0.0008	9.55	5.25	21480
NZA-E8	005Yr-024Hr	4.00	4.96	0.0010	20.94	13.33	28829
NZA-E8	010Yr-024Hr	4.00	5.30	0.0009	26.96	15.84	32130
NZA-E8	025Yr-072Hr	4.00	5.61	-0.0010	25.11	18.61	35085
NZA-E8	100Yr-072Hr	4.00	6.16	0.0010	25.06	22.79	40374

Node: NZA-F1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 2.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
2.41	0.0001	4
2.91	0.4700	20473
8.00	1.3100	57064

Comment: AS-BUILT STRUCTURE EX-114

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F1	005Yr-001Hr	2.91	3.00	0.0005	8.05	2.47	21100
NZA-F1	005Yr-024Hr	2.91	3.46	-0.0006	9.43	6.19	24414
NZA-F1	010Yr-024Hr	2.91	4.35	-0.0006	12.81	7.95	30833
NZA-F1	025Yr-072Hr	2.91	4.76	-0.0006	17.73	15.62	33812
NZA-F1	100Yr-072Hr	2.91	5.21	-0.0006	37.88	24.31	36992

Node: NZA-F2

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.08 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.58	0.0001	4
4.08	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-119

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F2	005Yr-001Hr	4.08	3.83	0.0005	5.40	4.25	6709
NZA-F2	005Yr-024Hr	4.08	4.18	-0.0011	8.77	8.43	14255
NZA-F2	010Yr-024Hr	4.08	4.36	-0.0009	17.46	17.33	15587
NZA-F2	025Yr-072Hr	4.08	4.80	-0.0009	28.85	26.74	18894
NZA-F2	100Yr-072Hr	4.08	5.29	-0.0006	40.78	36.84	22524

Node: NZA-F3

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.96 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.46	0.0001	4
3.96	0.4200	18295
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 123

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F3	005Yr-001Hr	3.96	4.04	0.0005	6.45	1.79	19105
NZA-F3	005Yr-024Hr	3.96	4.40	-0.0016	7.76	5.11	23014
NZA-F3	010Yr-024Hr	3.96	4.60	-0.0016	14.55	14.34	25110
NZA-F3	025Yr-072Hr	3.96	4.94	-0.0015	24.36	23.31	28773
NZA-F3	100Yr-072Hr	3.96	5.53	-0.0013	41.79	29.76	35091

Node: NZA-F4

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.61 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.11	0.0001	4
3.61	0.4500	19602
8.00	1.4500	63162

Comment: EX.AS-BUILT STRUCTURE 126

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F4	005Yr-001Hr	3.61	3.83	0.0006	7.81	1.01	21755
NZA-F4	005Yr-024Hr	3.61	4.87	0.0001	9.13	2.95	32098
NZA-F4	010Yr-024Hr	3.61	5.07	0.0001	12.28	10.38	34049
NZA-F4	025Yr-072Hr	3.61	5.20	0.0001	20.90	20.51	35368
NZA-F4	100Yr-072Hr	3.61	5.68	0.0001	38.14	33.08	40195

Node: NZA-F5

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.38	0.0001	4
3.88	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 131

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F5	005Yr-001Hr	3.88	3.95	0.0006	6.97	2.08	20279
NZA-F5	005Yr-024Hr	3.88	4.93	0.0002	8.31	2.69	30314
NZA-F5	010Yr-024Hr	3.88	5.22	0.0002	14.29	5.71	33217
NZA-F5	025Yr-072Hr	3.88	5.39	0.0002	14.49	14.08	34958
NZA-F5	100Yr-072Hr	3.88	5.81	0.0002	28.25	23.75	39247

Node: NZA-F6

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.15	0.0001	4
3.65	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 135

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F6	005Yr-001Hr	3.65	3.95	0.0006	7.98	0.80	22518
NZA-F6	005Yr-024Hr	3.65	4.93	0.0002	9.31	5.12	31920
NZA-F6	010Yr-024Hr	3.65	5.22	0.0002	18.70	6.61	34725
NZA-F6	025Yr-072Hr	3.65	5.41	0.0002	15.21	8.27	36538
NZA-F6	100Yr-072Hr	3.65	5.86	0.0002	21.41	15.31	40878

Node: NZA-F7

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.29 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.79	0.0001	4
4.29	0.4400	19166
8.00	1.4700	64033

Comment: EX.AS-BUILT STRUCTURE 141

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F7	005Yr-001Hr	4.29	4.27	0.0005	6.62	2.82	18337
NZA-F7	005Yr-024Hr	4.29	4.93	-0.0003	7.97	7.83	26871
NZA-F7	010Yr-024Hr	4.29	5.22	-0.0002	15.42	10.67	30400
NZA-F7	025Yr-072Hr	4.29	5.41	-0.0002	15.15	10.18	32767
NZA-F7	100Yr-072Hr	4.29	5.88	0.0002	25.95	14.98	38357

Node: NZA-F8

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.4400	19166
8.00	1.4600	63598

Comment: EX.AS-BUILT STRUCTURE 142

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F8	005Yr-001Hr	4.44	4.15	0.0005	9.40	8.92	8193
NZA-F8	005Yr-024Hr	4.44	4.92	0.0001	14.61	14.69	25161
NZA-F8	010Yr-024Hr	4.44	5.20	0.0001	19.30	18.72	28660
NZA-F8	025Yr-072Hr	4.44	5.41	0.0001	23.27	20.23	31293
NZA-F8	100Yr-072Hr	4.44	5.88	0.0001	34.38	21.19	37107

Node: NZA-F9

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.27 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.77	0.0001	4
4.27	0.3600	15682
8.00	1.1200	48787

Comment: EX.AS-BUILT STRUCTURE 148

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F9	005Yr-001Hr	4.27	4.18	-0.0008	6.10	5.80	12799
NZA-F9	005Yr-024Hr	4.27	4.92	-0.0009	9.02	8.76	21500
NZA-F9	010Yr-024Hr	4.27	5.20	0.0009	12.45	8.75	23972
NZA-F9	025Yr-072Hr	4.27	5.42	0.0009	16.10	11.35	25951
NZA-F9	100Yr-072Hr	4.27	5.90	-0.0008	16.25	13.59	30145

Node: NZA-G1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.81 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.31	0.0001	4
3.81	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-166

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G1	005Yr-001Hr	3.81	3.00	-0.0006	3.59	3.69	100
NZA-G1	005Yr-024Hr	3.81	3.44	-0.0009	4.56	4.66	3398
NZA-G1	010Yr-024Hr	3.81	4.35	-0.0009	5.99	6.20	17243
NZA-G1	025Yr-072Hr	3.81	4.76	-0.0009	12.82	11.50	20134
NZA-G1	100Yr-072Hr	3.81	5.21	-0.0009	20.49	12.23	23261

Node: NZA-G2

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.6800	29621
8.00	2.2400	97574

Comment: EX.AS-BUILT STRUCTURE 108

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G2	005Yr-001Hr	4.00	2.78	-0.0041	24.76	26.15	100
NZA-G2	005Yr-024Hr	4.00	3.10	-0.0044	28.40	29.39	100
NZA-G2	010Yr-024Hr	4.00	4.06	-0.0044	40.77	38.46	30681
NZA-G2	025Yr-072Hr	4.00	4.76	-0.0077	57.33	55.66	42499
NZA-G2	100Yr-072Hr	4.00	5.21	-0.0072	76.24	58.82	50177

Node: NZA-G3

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.20 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.70	0.0001	4
4.20	0.4000	17424
8.00	1.2500	54450

Comment: EX.AS-BUILT STRUCTURE 105

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G3	005Yr-001Hr	4.20	3.64	-0.0025	14.32	14.51	100
NZA-G3	005Yr-024Hr	4.20	3.95	-0.0028	15.94	15.34	8892
NZA-G3	010Yr-024Hr	4.20	4.44	-0.0028	21.14	20.63	19737
NZA-G3	025Yr-072Hr	4.20	4.94	-0.0035	33.81	30.63	24633
NZA-G3	100Yr-072Hr	4.20	5.48	-0.0035	51.73	38.53	29930

Node: NZA-G4

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3800	16553
8.00	0.9600	41818

Comment: EX.AS-BUILT STRUCTURE 101

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G4	005Yr-001Hr	4.80	3.96	0.0005	8.92	8.96	506
NZA-G4	005Yr-024Hr	4.80	4.34	-0.0008	10.45	10.50	1332
NZA-G4	010Yr-024Hr	4.80	4.94	-0.0011	16.52	16.39	17650
NZA-G4	025Yr-072Hr	4.80	5.19	-0.0011	28.13	27.35	19631
NZA-G4	100Yr-072Hr	4.80	5.67	-0.0012	40.27	37.83	23455

Node: NZA-G5

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.3900	16988
8.00	1.1100	48352

Comment: EX.AS-BUILT STRUCTURE 95

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G5	005Yr-001Hr	4.46	4.26	0.0005	5.78	4.52	10143
NZA-G5	005Yr-024Hr	4.46	4.88	-0.0040	9.43	8.03	20759
NZA-G5	010Yr-024Hr	4.46	5.12	-0.0041	13.12	12.12	22844
NZA-G5	025Yr-072Hr	4.46	5.27	-0.0043	19.42	19.16	24155
NZA-G5	100Yr-072Hr	4.46	5.77	-0.0039	27.47	22.53	28558

Node: NZA-G6

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.42 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.92	0.0001	4
4.42	0.3600	15682
8.00	1.1400	49658

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G6	005Yr-001Hr	4.42	4.28	0.0005	4.76	3.11	11396
NZA-G6	005Yr-024Hr	4.42	4.89	-0.0003	7.59	5.62	20132
NZA-G6	010Yr-024Hr	4.42	5.14	-0.0004	11.12	8.41	22554
NZA-G6	025Yr-072Hr	4.42	5.33	-0.0003	14.30	14.16	24361
NZA-G6	100Yr-072Hr	4.42	5.82	-0.0002	20.55	14.41	28958

Node: NZA-G7

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.19 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.69	0.0001	4
4.19	0.4600	20038
8.00	1.5200	66211

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G7	005Yr-001Hr	4.19	4.38	0.0010	7.07	0.00	22304
NZA-G7	005Yr-024Hr	4.19	4.89	0.0002	8.50	8.01	28526
NZA-G7	010Yr-024Hr	4.19	5.15	0.0002	12.92	10.73	31682
NZA-G7	025Yr-072Hr	4.19	5.36	0.0002	14.44	10.88	34241
NZA-G7	100Yr-072Hr	4.19	5.84	0.0002	23.23	9.00	39986

Node: NZA-G8

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.3300	14375
8.00	0.9800	42689

Comment: EX.AS-BUILT STRUCTURE 80

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G8	005Yr-001Hr	4.18	4.15	0.0005	19.71	16.51	13438
NZA-G8	005Yr-024Hr	4.18	4.89	0.0001	22.24	18.89	19674
NZA-G8	010Yr-024Hr	4.18	5.15	0.0001	30.07	26.64	21613
NZA-G8	025Yr-072Hr	4.18	5.37	0.0001	34.06	31.06	23208
NZA-G8	100Yr-072Hr	4.18	5.84	0.0001	41.31	32.66	26700

Node: NZA-G9

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.84 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.34	0.0001	4
4.84	0.4100	17860
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G9	005Yr-001Hr	4.84	4.48	0.0005	7.43	6.10	4893
NZA-G9	005Yr-024Hr	4.84	4.89	0.0002	8.73	6.80	18530
NZA-G9	010Yr-024Hr	4.84	5.15	0.0002	12.81	10.43	21940
NZA-G9	025Yr-072Hr	4.84	5.37	0.0001	15.95	11.64	24765
NZA-G9	100Yr-072Hr	4.84	5.85	0.0001	17.23	10.25	30893

Node: NZA-I1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.72 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.22	0.0001	4
3.72	0.2300	10019
8.00	2.0000	87120

Comment: As-built Structure EX-2011

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I1	005Yr-001Hr	3.72	2.45	-0.0012	6.76	6.68	100
NZA-I1	005Yr-024Hr	3.72	2.75	-0.0013	14.54	14.49	100
NZA-I1	010Yr-024Hr	3.72	3.25	-0.0013	22.25	22.23	542
NZA-I1	025Yr-072Hr	3.72	4.74	-0.0093	36.26	29.23	28384
NZA-I1	100Yr-072Hr	3.72	5.15	-0.0099	47.06	34.61	35857

Node: NZA-I2

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.95	0.2900	12632
8.00	0.9600	41818

Comment: As-built Structure EX-2013

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I2	005Yr-001Hr	3.95	3.82	0.0005	3.72	1.70	9625
NZA-I2	005Yr-024Hr	3.95	4.29	-0.0011	10.09	9.81	15060
NZA-I2	010Yr-024Hr	3.95	4.41	-0.0012	16.39	15.98	15947
NZA-I2	025Yr-072Hr	3.95	4.79	-0.0011	21.23	20.75	18718
NZA-I2	100Yr-072Hr	3.95	5.27	-0.0008	29.93	29.46	22178

Node: NZA-I3

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.49 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.99	0.0001	4
4.49	0.3300	14375
8.00	1.0900	47480

Comment: As-built Structure EX-2071

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I3	005Yr-001Hr	4.49	4.53	0.0007	4.06	1.10	14751
NZA-I3	005Yr-024Hr	4.49	4.78	-0.0006	7.06	6.87	17131
NZA-I3	010Yr-024Hr	4.49	4.87	-0.0005	11.52	11.16	17965
NZA-I3	025Yr-072Hr	4.49	4.93	-0.0005	14.90	14.43	18530
NZA-I3	100Yr-072Hr	4.49	5.36	0.0001	23.78	21.97	22564

Node: NZA-I4

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.93	0.0001	4
4.43	0.3000	13068
8.00	1.0800	47045

Comment: As-built Structure EX-2021

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I4	005Yr-001Hr	4.43	4.53	0.0007	4.53	1.17	13995
NZA-I4	005Yr-024Hr	4.43	4.79	-0.0008	5.07	3.56	16458
NZA-I4	010Yr-024Hr	4.43	4.87	-0.0007	6.99	5.68	17304
NZA-I4	025Yr-072Hr	4.43	4.93	-0.0006	8.77	8.87	17876
NZA-I4	100Yr-072Hr	4.43	5.39	0.0002	18.25	15.64	22255

Node: NZA-I5

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.41 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.91	0.0001	4
4.41	0.3300	14375
8.00	1.3300	57935

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I5	005Yr-001Hr	4.41	4.42	0.0005	5.55	2.25	14477
NZA-I5	005Yr-024Hr	4.41	4.79	-0.0003	6.57	3.78	18997
NZA-I5	010Yr-024Hr	4.41	4.89	-0.0003	8.58	6.34	20147
NZA-I5	025Yr-072Hr	4.41	5.03	0.0002	10.50	8.54	21898
NZA-I5	100Yr-072Hr	4.41	5.41	-0.0002	13.97	12.57	26555

Node: NZA-I6

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	1.0300	44867
8.00	2.2800	99317

Comment: EX.AS-BUILT STRUCTURE 2025

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I6	005Yr-001Hr	4.24	3.67	0.0005	25.90	25.87	100
NZA-I6	005Yr-024Hr	4.24	4.32	-0.0014	34.13	31.72	46005
NZA-I6	010Yr-024Hr	4.24	4.88	-0.0014	47.99	36.04	54188
NZA-I6	025Yr-072Hr	4.24	5.03	0.0014	58.56	38.27	56342
NZA-I6	100Yr-072Hr	4.24	5.42	-0.0015	70.40	44.31	61933

Node: NZA-I7

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4700	20473
8.00	1.4300	62291

Comment: EX.AS-BUILT STRUCTURE 36

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I7	005Yr-001Hr	3.56	3.88	0.0005	28.28	20.19	23558
NZA-I7	005Yr-024Hr	3.56	4.68	0.0010	32.56	29.33	31051
NZA-I7	010Yr-024Hr	3.56	5.10	0.0009	45.50	38.02	35003
NZA-I7	025Yr-072Hr	3.56	5.29	0.0009	56.44	44.22	36771
NZA-I7	100Yr-072Hr	3.56	5.74	0.0010	69.26	47.82	41024

Node: NZA-I8

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.51 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.01	0.0001	4
4.51	0.4200	18295
8.00	1.3600	59242

Comment: EX.AS-BUILT STRUCTURE 42

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I8	005Yr-001Hr	4.51	4.47	0.0005	10.42	5.26	16697
NZA-I8	005Yr-024Hr	4.51	4.79	0.0001	10.89	9.13	21616
NZA-I8	010Yr-024Hr	4.51	5.10	0.0001	15.76	14.35	25272
NZA-I8	025Yr-072Hr	4.51	5.30	0.0003	20.79	17.52	27534
NZA-I8	100Yr-072Hr	4.51	5.75	0.0001	27.66	20.20	32863

Node: NZA-PS0

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0050	218

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS0	005Yr-001Hr	8.00	1.71	-0.0138	11.16	14.20	100
NZA-PS0	005Yr-024Hr	8.00	4.07	-0.0142	15.17	14.20	218
NZA-PS0	010Yr-024Hr	8.00	4.24	-0.0142	15.38	14.20	218
NZA-PS0	025Yr-072Hr	8.00	4.47	-0.0142	15.56	14.20	218
NZA-PS0	100Yr-072Hr	8.00	4.76	-0.0142	15.62	14.20	218

Node: NZA-PS1

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS1	005Yr-001Hr	8.00	2.00	0.0215	36.22	39.60	100
NZA-PS1	005Yr-024Hr	8.00	2.00	0.0241	38.57	39.60	100
NZA-PS1	010Yr-024Hr	8.00	2.10	0.0247	39.68	39.60	100
NZA-PS1	025Yr-072Hr	8.00	2.25	0.0244	39.71	39.60	100
NZA-PS1	100Yr-072Hr	8.00	2.43	0.0247	39.72	39.60	104

Node: NZA-PS2

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS2	005Yr-001Hr	8.00	2.00	-0.0153	28.26	33.00	121
NZA-PS2	005Yr-024Hr	8.00	2.00	0.0162	29.86	33.00	122
NZA-PS2	010Yr-024Hr	8.00	2.00	0.0196	33.07	33.00	122
NZA-PS2	025Yr-072Hr	8.00	2.21	0.0195	33.09	33.00	162
NZA-PS2	100Yr-072Hr	8.00	2.33	0.0195	33.11	33.00	186

Node: NZA-PS3

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100

Node: NZA-S-106

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
4.49	0.0070	305

Comment: FDOT PUMP STATION

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-106	005Yr-001Hr	8.00	2.00	-0.0116	17.74	42.88	768
NZA-S-106	005Yr-024Hr	8.00	2.00	-0.0117	21.37	42.88	768
NZA-S-106	010Yr-024Hr	8.00	2.00	-0.0117	25.44	46.20	768
NZA-S-106	025Yr-072Hr	8.00	2.00	-0.0118	28.82	48.18	768
NZA-S-106	100Yr-072Hr	8.00	2.00	-0.0117	34.62	52.10	768

Node: NZA-S-77

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-77	005Yr-001Hr	8.00	1.82	0.0001	0.28	0.06	1302
NZA-S-77	005Yr-024Hr	8.00	2.00	0.0001	0.26	0.28	1692
NZA-S-77	010Yr-024Hr	8.00	3.41	0.0002	3.13	1.02	1918
NZA-S-77	025Yr-072Hr	8.00	4.00	0.0003	4.47	1.72	1886
NZA-S-77	100Yr-072Hr	8.00	4.61	0.0004	6.47	3.19	1976

Node: NZA-S-82

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
0.00	0.0070	305

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-82	005Yr-001Hr	8.00	2.00	-0.0030	31.74	43.16	1715
NZA-S-82	005Yr-024Hr	8.00	2.00	0.0030	39.74	43.14	1779
NZA-S-82	010Yr-024Hr	8.00	3.41	-0.0030	47.94	46.01	1887
NZA-S-82	025Yr-072Hr	8.00	4.00	-0.0030	50.47	47.35	1887
NZA-S-82	100Yr-072Hr	8.00	4.61	-0.0030	53.67	49.35	1893

Node: NZA-S101

Scenario: OPTION 3
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174

Stage [ft]	Area [ac]	Area [ft2]
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S101	005Yr-001Hr	8.00	2.00	-0.0080	1.67	14.44	181
NZA-S101	005Yr-024Hr	8.00	2.00	-0.0081	4.18	14.73	181
NZA-S101	010Yr-024Hr	8.00	2.00	-0.0081	5.62	14.72	181
NZA-S101	025Yr-072Hr	8.00	2.00	-0.0082	7.44	14.77	181
NZA-S101	100Yr-072Hr	8.00	2.00	-0.0082	10.55	14.77	181

Node: OUTFALL (88th)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.20 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.20
0	0	0	99999.0000	1.20

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (88th)	005Yr-001Hr	8.00	1.20	0.0000	6.68	0.00	0
OUTFALL (88th)	005Yr-024Hr	8.00	1.20	0.0000	14.49	0.00	0
OUTFALL (88th)	010Yr-024Hr	8.00	1.20	0.0000	22.23	0.00	0
OUTFALL (88th)	025Yr-072Hr	8.00	1.20	0.0000	29.23	0.00	0
OUTFALL	100Yr-072Hr	8.00	1.20	0.0000	34.61	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(88th)							

Node: OUTFALL (89th)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (89th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	010Yr-024Hr	8.00	1.60	0.0000	0.01	0.00	0
OUTFALL (89th)	025Yr-072Hr	8.00	1.60	0.0000	2.68	0.00	0
OUTFALL (89th)	100Yr-072Hr	8.00	1.60	0.0000	10.73	0.00	0

Node: OUTFALL (91st) - A

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - A	005Yr-001Hr	8.00	1.60	0.0000	12.53	0.00	0
OUTFALL (91st) - A	005Yr-024Hr	8.00	1.60	0.0000	24.26	0.00	0
OUTFALL (91st) - A	010Yr-024Hr	8.00	1.60	0.0000	34.76	0.00	0
OUTFALL (91st) - A	025Yr-072Hr	8.00	1.60	0.0000	39.07	0.00	0
OUTFALL (91st) - A	100Yr-072Hr	8.00	1.60	0.0000	51.96	0.00	0

Node: OUTFALL (91st) - B

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - B	005Yr-001Hr	8.00	1.60	0.0000	12.38	0.00	0
OUTFALL	005Yr-024Hr	8.00	1.60	0.0000	19.32	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(91st) - B							
OUTFALL (91st) - B	010Yr-024Hr	8.00	1.60	0.0000	24.28	0.00	0
OUTFALL (91st) - B	025Yr-072Hr	8.00	1.60	0.0000	27.69	0.00	0
OUTFALL (91st) - B	100Yr-072Hr	8.00	1.60	0.0000	40.11	0.00	0

Node: OUTFALL (92nd)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (92nd)	005Yr-001Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	005Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	010Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	025Yr-072Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	100Yr-072Hr	8.00	1.60	0.0000	19.35	0.00	0

Node: OUTFALL (94th)

Scenario: OPTION 3

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.01	0.00	0
OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	1.12	0.00	0
OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	11.06	0.00	0
OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	42.32	0.00	0

Node: OUTFALL (95th)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (95th)	005Yr-001Hr	8.00	1.60	0.0000	6.66	0.00	0
OUTFALL (95th)	005Yr-024Hr	8.00	1.60	0.0000	8.25	0.00	0
OUTFALL (95th)	010Yr-024Hr	8.00	1.60	0.0000	23.80	0.00	0
OUTFALL (95th)	025Yr-072Hr	8.00	1.60	0.0000	35.13	0.00	0
OUTFALL (95th)	100Yr-072Hr	8.00	1.60	0.0000	51.72	0.00	0

Node: OUTFALL (96th)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (96th)	005Yr-001Hr	8.00	1.60	0.0000	11.20	0.00	0
OUTFALL (96th)	005Yr-024Hr	8.00	1.60	0.0000	13.26	0.00	0
OUTFALL (96th)	010Yr-024Hr	8.00	1.60	0.0000	17.53	0.00	0
OUTFALL (96th)	025Yr-072Hr	8.00	1.60	0.0000	20.03	0.00	0
OUTFALL (96th)	100Yr-072Hr	8.00	1.60	0.0000	24.36	0.00	0

Node: OUTFALL (CARLYLE)

Scenario: OPTION 3
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 3]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	25.91	0.00	0
OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	31.75	0.00	0
OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	36.06	0.00	0
OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	37.11	0.00	0
OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	39.71	0.00	0

Drop Structure Link: CS-01

Scenario: OPTION 3
From Node: NZA-CS-01
To Node: NZA-DS1
Link Count: 1
Flow Direction: Both
Solution: Combine
Increments: 0
Pipe Count: 1
Damping: 0.0000 ft
Length: 175.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec

Upstream Pipe		Downstream Pipe	
Invert:	-1.83 ft	Invert:	-1.20 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.50 ft	Max Depth:	2.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-01 - Pipe	005Yr-001Hr	0.04	0.00	0.03	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-001Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-01 - Pipe	005Yr-024Hr	0.06	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-01 - Pipe	010Yr-024Hr	1.03	0.00	0.06	0.00	0.00	0.00
CS-01 - Weir: 1	010Yr-024Hr	1.03	0.00	0.05	1.15	1.15	1.15
CS-01 - Pipe	025Yr-072Hr	3.43	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	025Yr-072Hr	3.43	0.00	0.04	1.71	1.71	1.71
CS-01 - Pipe	100Yr-072Hr	7.15	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	100Yr-072Hr	7.15	0.00	0.05	2.19	2.19	2.19

Drop Structure Link: CS-02		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 3	Invert:	-2.30 ft	Invert:	-1.20 ft
From Node:	NZA-CS-02	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	80.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Positive	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	2.00 ft	Op Table:	
Control Elevation:	2.00 ft	Ref Node:	
Max Depth:	0.75 ft	Discharge Coefficients	
Max Width:	7.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Pipe	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Pipe	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Pipe	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Pipe	025Yr-072Hr	2.53	0.00	0.04	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Weir: 1	025Yr-072Hr	2.53	0.00	0.04	1.55	1.55	1.55
CS-02 - Pipe	100Yr-072Hr	4.78	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	100Yr-072Hr	4.78	0.00	0.04	1.91	1.91	1.91

Drop Structure Link: CS-03		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 3	Invert:	-4.50 ft	Invert:	-4.70 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	60.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-03 - Pipe	005Yr-001Hr	25.85	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-001Hr	25.85	0.00	0.00	4.92	4.92	4.92
CS-03 - Pipe	005Yr-024Hr	31.72	0.00	-0.02	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-024Hr	31.72	0.00	0.02	6.04	6.04	6.04
CS-03 - Pipe	010Yr-024Hr	36.04	0.00	-0.02	0.00	0.00	0.00
CS-03 - Weir: 1	010Yr-024Hr	36.04	0.00	0.03	6.86	6.86	6.86
CS-03 - Pipe	025Yr-072Hr	37.09	0.00	-0.02	0.00	0.00	0.00
CS-03 - Weir: 1	025Yr-072Hr	37.09	0.00	-0.03	7.06	7.06	7.06
CS-03 - Pipe	100Yr-072Hr	39.69	0.00	-0.02	0.00	0.00	0.00
CS-03 - Weir: 1	100Yr-072Hr	39.69	0.00	-0.03	7.56	7.56	7.56

Drop Structure Link: CS-04		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 3	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-CS-04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (95th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	181.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft		

Control Elevation:	2.00 ft
Max Depth:	0.75 ft
Max Width:	7.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-04 - Pipe	005Yr-001Hr	6.66	0.00	0.00	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-001Hr	6.66	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	005Yr-024Hr	8.25	0.00	-0.01	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-024Hr	8.25	0.00	-0.01	2.00	2.00	2.00
CS-04 - Pipe	010Yr-024Hr	9.15	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	010Yr-024Hr	9.15	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	025Yr-072Hr	9.42	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	025Yr-072Hr	9.42	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	100Yr-072Hr	9.97	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	100Yr-072Hr	9.97	0.00	-0.04	2.00	2.00	2.00

Drop Structure Link: CS-05		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 3	Invert:	-2.33 ft	Invert:	1.21 ft
From Node:	NZA-CS-05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS0	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	

Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.10 ft	Ref Node:	
Control Elevation:	2.10 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-05 - Pipe	005Yr-001Hr	11.16	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-001Hr	11.16	0.00	0.00	2.13	2.13	2.13
CS-05 - Pipe	005Yr-024Hr	15.17	0.00	-0.02	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-024Hr	15.17	0.00	-0.02	2.89	2.89	2.89
CS-05 - Pipe	010Yr-024Hr	15.38	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	010Yr-024Hr	15.38	0.00	-0.02	2.93	2.93	2.93
CS-05 - Pipe	025Yr-072Hr	15.56	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	025Yr-072Hr	15.56	0.00	-0.02	2.96	2.96	2.96
CS-05 - Pipe	100Yr-072Hr	15.62	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	100Yr-072Hr	15.62	0.00	-0.02	2.98	2.98	2.98

Drop Structure Link: CS-06(R3)		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 3	Invert:	-1.88 ft	Invert:	-2.30 ft

From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	153.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Positive	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	2.00 ft	Op Table:	
Control Elevation:	2.00 ft	Ref Node:	
Max Depth:	0.75 ft	Discharge Coefficients	
Max Width:	7.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	005Yr-001Hr	12.53	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-001Hr	12.53	0.00	0.00	2.64	2.64	2.64
CS-06(R3) - Pipe	005Yr-024Hr	24.26	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-024Hr	24.27	0.00	0.00	4.62	4.62	4.62

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	010Yr-024Hr	34.76	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	010Yr-024Hr	34.76	0.00	0.00	6.62	6.62	6.62
CS-06(R3) - Pipe	025Yr-072Hr	37.73	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	025Yr-072Hr	37.73	0.00	-0.01	7.19	7.19	7.19
CS-06(R3) - Pipe	100Yr-072Hr	39.31	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	100Yr-072Hr	39.31	0.00	-0.01	7.49	7.49	7.49

Drop Structure Link: CS-07		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 3	Invert:	-2.19 ft	Invert:	-2.90 ft
From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	213.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft		

Orifice Default: 0.600
Orifice Table:

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-07 - Pipe	005Yr-001Hr	12.38	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-001Hr	12.38	0.00	0.00	2.61	2.61	2.61
CS-07 - Pipe	005Yr-024Hr	19.32	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-024Hr	19.32	0.00	0.00	3.68	3.68	3.68
CS-07 - Pipe	010Yr-024Hr	24.28	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	010Yr-024Hr	24.28	0.00	0.00	4.62	4.62	4.62
CS-07 - Pipe	025Yr-072Hr	26.35	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	025Yr-072Hr	26.35	0.00	0.00	5.02	5.02	5.02
CS-07 - Pipe	100Yr-072Hr	27.46	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	100Yr-072Hr	27.46	0.00	0.00	5.23	5.23	5.23

Drop Structure Link: CS-08		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 3	Invert:	-1.58 ft	Invert:	-1.58 ft
From Node:	NZA-I1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (88th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	15.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-08 - Pipe	005Yr-001Hr	6.68	0.00	-0.01	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-001Hr	6.68	0.00	-0.02	2.14	2.14	2.14
CS-08 - Pipe	005Yr-024Hr	14.49	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-024Hr	14.49	0.00	-0.02	2.77	2.77	2.77
CS-08 - Pipe	010Yr-024Hr	22.23	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	010Yr-024Hr	22.23	0.00	-0.02	4.23	4.23	4.23
CS-08 - Pipe	025Yr-072Hr	29.23	0.00	-0.12	0.00	0.00	0.00
CS-08 - Weir: 1	025Yr-072Hr	29.23	0.00	-0.12	5.57	5.57	5.57
CS-08 - Pipe	100Yr-072Hr	30.90	0.00	-0.12	0.00	0.00	0.00
CS-08 - Weir: 1	100Yr-072Hr	30.90	0.00	-0.13	5.89	5.89	5.89

Rating Curve Link: D-00	
Scenario:	OPTION 3
From Node:	NZA-PS0
To Node:	OUTFALL (92nd)
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0004	1.70		1.60	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D-00	005Yr-001Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	005Yr-024Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	010Yr-024Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	025Yr-072Hr	14.20	0.00	-14.20	0.00	0.00	0.00
D-00	100Yr-072Hr	14.20	0.00	13.98	0.00	0.00	0.00

Rating Curve Link: DW 1-3

Scenario: OPTION 3
From Node: NZA-PS1
To Node: AQUIFER (94th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0001	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 1-3	005Yr-001Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	005Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	010Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	025Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	100Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00

Rating Curve Link: DW 4-6

Scenario: OPTION 3
From Node: NZA-PS2
To Node: AQUIFER (89th)

Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0002	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 4-6	005Yr-001Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	005Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	010Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	025Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	100Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00

Rating Curve Link: DW 7-9

Scenario: OPTION 3
From Node: NZA-PS3
To Node: AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0003	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 7-9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S102-S105

Scenario: OPTION 3

From Node: NZA-S-82
To Node: FDOT AQUIFER (94TH)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-102, S-103, S-104, S-105

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S102-S105	005Yr-001Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	025Yr-072Hr	42.88	0.00	42.88	0.00	0.00	0.00
FDOT DW-S102-S105	100Yr-072Hr	42.88	0.00	-42.88	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S96-S99

Scenario: OPTION 3
From Node: NZA-S-106
To Node: FDOT AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-96, S-97, S-98, S-99

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S96-S99	005Yr-001Hr	42.88	0.00	-41.54	0.00	0.00	0.00
FDOT DW-	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S96-S99							
FDOT DW-S96-S99	010Yr-024Hr	42.88	0.00	-42.21	0.00	0.00	0.00
FDOT DW-S96-S99	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	100Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00

Pipe Link: P-A1-A2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.61 ft	Invert:	-1.81 ft
From Node:	NZA-A2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-A2	005Yr-001Hr	4.80	-0.07	-0.11	3.91	3.91	3.91
P-A1-A2	005Yr-024Hr	6.20	-0.07	-0.12	5.05	5.05	5.05
P-A1-A2	010Yr-024Hr	6.17	-0.07	-0.12	5.03	5.03	5.03
P-A1-A2	025Yr-072Hr	6.17	-0.07	-0.12	5.03	5.03	5.03
P-A1-A2	100Yr-072Hr	6.16	-0.07	-0.12	5.02	5.02	5.02

Pipe Link: P-A1-B1		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-4.90 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	490.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-B1	005Yr-001Hr	4.23	0.00	-0.17	2.39	2.39	2.39
P-A1-B1	005Yr-024Hr	6.81	-0.10	0.26	3.85	3.85	3.85
P-A1-B1	010Yr-024Hr	7.02	-0.07	0.26	3.97	3.97	3.97
P-A1-B1	025Yr-072Hr	6.84	-1.33	0.31	3.87	3.87	3.87
P-A1-B1	100Yr-072Hr	6.02	-1.74	0.32	3.41	3.41	3.41

Pipe Link: P-A1-CS-04		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.81 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-CS-04	005Yr-001Hr	6.66	-0.50	-0.07	3.77	3.77	3.77
P-A1-CS-04	005Yr-024Hr	8.25	-0.74	-0.08	4.67	4.67	4.67
P-A1-CS-04	010Yr-024Hr	9.15	-0.73	-0.08	5.18	5.18	5.18
P-A1-CS-04	025Yr-072Hr	9.42	-0.74	-0.09	5.33	5.33	5.33
P-A1-CS-04	100Yr-072Hr	9.97	-0.74	-0.08	5.64	5.64	5.64

Pipe Link: P-A2-A3		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.54 ft	Invert:	-1.61 ft
From Node:	NZA-A3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A2-A3	005Yr-001Hr	2.75	-0.17	-0.08	2.24	2.24	2.24
P-A2-A3	005Yr-024Hr	4.25	-0.17	-0.08	3.46	3.46	3.46
P-A2-A3	010Yr-024Hr	4.23	-0.17	-0.08	3.45	3.45	3.45
P-A2-A3	025Yr-072Hr	4.12	-0.17	-0.08	3.35	3.35	3.35
P-A2-A3	100Yr-072Hr	4.00	-0.17	-0.08	3.26	3.26	3.26

Pipe Link: P-A3-A4		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.08 ft	Invert:	-1.54 ft
From Node:	NZA-A4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A3-A4	005Yr-001Hr	1.05	-0.98	-0.06	0.86	0.86	0.86
P-A3-A4	005Yr-024Hr	2.97	-0.77	-0.06	2.42	2.42	2.42
P-A3-A4	010Yr-024Hr	2.87	-0.83	-0.06	2.34	2.34	2.34
P-A3-A4	025Yr-072Hr	2.71	-0.76	-0.06	2.20	2.20	2.20
P-A3-A4	100Yr-072Hr	2.50	-0.36	-0.06	2.04	2.04	2.04

Pipe Link: P-A4-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-0.82 ft	Invert:	-1.08 ft
From Node:	FDOT-1B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	229.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A4-FDOT1B	005Yr-001Hr	0.86	-0.70	0.02	1.59	1.59	1.59
P-A4-FDOT1B	005Yr-024Hr	0.81	-1.32	0.02	-2.43	-2.43	-2.43
P-A4-FDOT1B	010Yr-024Hr	0.78	-1.35	0.02	-2.48	-2.48	-2.48
P-A4-FDOT1B	025Yr-072Hr	0.67	-1.39	0.02	-2.55	-2.55	-2.55
P-A4-FDOT1B	100Yr-072Hr	0.67	-1.43	0.02	-2.62	-2.62	-2.62

Pipe Link: P-AA1-AA2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	117.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA1-AA2	005Yr-001Hr	9.04	0.00	0.00	2.41	2.58	2.50
P-AA1-AA2	005Yr-024Hr	10.66	0.00	0.00	2.58	2.75	2.66
P-AA1-AA2	010Yr-024Hr	14.03	0.00	0.01	2.89	3.07	2.98
P-AA1-AA2	025Yr-072Hr	16.02	0.00	0.01	3.06	3.26	3.16
P-AA1-AA2	100Yr-072Hr	19.43	0.00	0.01	3.34	3.54	3.44

Pipe Link: P-AA2-AA3		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	133.29 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA2-AA3	005Yr-001Hr	7.02	0.00	0.00	1.81	2.64	1.97
P-AA2-AA3	005Yr-024Hr	8.23	0.00	-0.01	1.92	2.64	1.97
P-AA2-AA3	010Yr-024Hr	10.81	0.00	0.01	2.17	2.64	2.20
P-AA2-AA3	025Yr-072Hr	12.41	0.00	0.02	2.32	2.64	2.36
P-AA2-AA3	100Yr-072Hr	15.10	0.00	0.02	2.55	2.64	2.59

Pipe Link: P-AA3-AA4		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	0.00 ft	Invert:	0.00 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.03 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA3-AA4	005Yr-001Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	005Yr-024Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	010Yr-024Hr	7.78	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	025Yr-072Hr	8.91	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	100Yr-072Hr	10.94	0.00	1.64	1.55	1.55	1.55

Pipe Link: P-AA4-AA5		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	126.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA4-AA5	005Yr-001Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	005Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	010Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	025Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	100Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88

Pipe Link: P-AA5-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-1B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	626.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA5-FDOT1B	005Yr-001Hr	0.87	-1.32	0.00	-2.41	3.23	-2.42
P-AA5-FDOT1B	005Yr-024Hr	0.87	-1.33	0.00	-2.44	3.23	-2.46
P-AA5-FDOT1B	010Yr-024Hr	0.87	-1.32	0.00	-2.42	3.23	-2.43
P-AA5-FDOT1B	025Yr-072Hr	0.87	-1.42	0.00	-2.60	3.23	-2.60
P-AA5-FDOT1B	100Yr-072Hr	0.87	-1.48	0.00	-2.71	3.23	-2.71

Pipe Link: P-AA7-A4		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA7-A4	005Yr-001Hr	0.00	-3.19	-0.01	-2.60	-2.60	-2.60
P-AA7-A4	005Yr-024Hr	2.68	-2.11	-0.01	2.18	2.18	2.18
P-AA7-A4	010Yr-024Hr	2.38	-1.87	-0.01	1.94	1.94	1.94
P-AA7-A4	025Yr-072Hr	2.15	-1.12	-0.01	1.75	1.75	1.75
P-AA7-A4	100Yr-072Hr	1.59	-1.18	0.02	1.30	1.30	1.30

Pipe Link: P-B1-B2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-4.86 ft	Invert:	-4.90 ft
From Node:	NZA-B2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-B2	005Yr-001Hr	15.34	-3.45	1.76	3.12	3.12	3.12
P-B1-B2	005Yr-024Hr	20.10	-4.78	1.91	4.09	4.09	4.09
P-B1-B2	010Yr-024Hr	23.70	-4.77	2.08	4.83	4.83	4.83
P-B1-B2	025Yr-072Hr	23.39	-4.86	2.08	4.77	4.77	4.77
P-B1-B2	100Yr-072Hr	23.32	-4.58	2.14	4.75	4.75	4.75

Pipe Link: P-B1-CS-01		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.75 ft	Invert:	-2.83 ft
From Node:	NZA-B1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-CS-01	005Yr-001Hr	32.90	-0.59	2.11	6.70	6.70	6.70
P-B1-CS-01	005Yr-024Hr	37.55	-0.59	2.36	7.65	7.65	7.65
P-B1-CS-01	010Yr-024Hr	40.63	-0.59	2.29	8.28	8.28	8.28
P-B1-CS-01	025Yr-072Hr	43.03	-0.59	2.36	8.77	8.77	8.77
P-B1-CS-01	100Yr-072Hr	46.75	-0.59	2.38	9.52	9.52	9.52

Pipe Link: P-B2-B3		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-4.54 ft	Invert:	-4.86 ft
From Node:	NZA-B3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B2-B3	005Yr-001Hr	6.06	-4.22	-0.60	1.93	1.93	1.93
P-B2-B3	005Yr-024Hr	9.08	-4.79	0.95	2.89	2.89	2.89
P-B2-B3	010Yr-024Hr	13.28	-4.77	0.91	4.23	4.23	4.23
P-B2-B3	025Yr-072Hr	9.53	-4.66	0.93	3.03	3.03	3.03
P-B2-B3	100Yr-072Hr	9.55	-5.47	-1.14	3.04	3.04	3.04

Pipe Link: P-B3-B4		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-3.77 ft	Invert:	-4.54 ft
From Node:	NZA-B4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B3-B4	005Yr-001Hr	2.67	-4.89	-0.73	-1.56	-1.56	-1.56
P-B3-B4	005Yr-024Hr	3.48	-5.06	-0.73	-1.61	-1.61	-1.61
P-B3-B4	010Yr-024Hr	7.45	-5.06	-0.74	2.37	2.37	2.37
P-B3-B4	025Yr-072Hr	11.21	-5.08	-0.77	3.57	3.57	3.57
P-B3-B4	100Yr-072Hr	11.66	-9.23	-0.73	3.71	3.71	3.71

Pipe Link: P-B4-C2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	0.58 ft	Invert:	-0.46 ft
From Node:	NZA-C2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	628.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B4-C2	005Yr-001Hr	1.75	-0.01	0.05	3.20	3.20	3.20
P-B4-C2	005Yr-024Hr	1.85	-0.01	0.05	3.40	3.40	3.40
P-B4-C2	010Yr-024Hr	1.85	-0.01	0.05	3.39	3.39	3.39
P-B4-C2	025Yr-072Hr	1.85	-0.01	0.05	3.39	3.39	3.39
P-B4-C2	100Yr-072Hr	1.85	-0.01	0.05	3.39	3.39	3.39

Pipe Link: P-C1-B1		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.88 ft	Invert:	-2.60 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	674.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-B1	005Yr-001Hr	5.19	-0.15	0.13	2.94	2.94	2.94
P-C1-B1	005Yr-024Hr	6.81	-0.15	0.22	3.85	3.85	3.85
P-C1-B1	010Yr-024Hr	7.69	-0.15	0.18	4.35	4.35	4.35
P-C1-B1	025Yr-072Hr	8.07	-0.15	0.23	4.56	4.56	4.56
P-C1-B1	100Yr-072Hr	8.20	-0.15	0.23	4.64	4.64	4.64

Pipe Link: P-C1-D2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.60 ft	Invert:	-2.05 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	715.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-D2	005Yr-001Hr	1.81	-1.98	-0.08	-1.12	-1.12	-1.12
P-C1-D2	005Yr-024Hr	2.49	-4.61	-0.09	-2.61	-2.61	-2.61
P-C1-D2	010Yr-024Hr	2.71	-4.72	-0.09	-2.67	-2.67	-2.67
P-C1-D2	025Yr-072Hr	2.77	-4.90	-0.09	-2.77	-2.77	-2.77
P-C1-D2	100Yr-072Hr	1.17	-4.88	-0.09	-2.76	-2.76	-2.76

Pipe Link: P-CS-TOWN-AA1		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-TOWN	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-TOWN-AA1	005Yr-001Hr	11.20	0.00	0.00	3.20	3.67	3.44
P-CS-TOWN-AA1	005Yr-024Hr	13.26	0.00	0.00	3.42	3.91	3.66
P-CS-TOWN-AA1	010Yr-024Hr	17.53	0.00	0.00	3.83	4.34	4.08
P-CS-TOWN-AA1	025Yr-072Hr	20.04	0.00	0.00	4.05	4.57	4.31
P-CS-TOWN-AA1	100Yr-072Hr	24.36	0.00	-0.01	4.40	4.95	4.68

Pipe Link: P-CS3-S3		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS3-S3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-D1-CS-05		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.50 ft	Invert:	-2.70 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-05	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-CS-05	005Yr-001Hr	11.17	-0.04	-0.06	3.55	3.55	3.55
P-D1-CS-05	005Yr-024Hr	15.21	-0.12	0.32	4.84	4.84	4.84
P-D1-CS-05	010Yr-024Hr	15.45	-0.12	-0.32	4.92	4.92	4.92
P-D1-CS-05	025Yr-072Hr	15.65	-0.13	-0.33	4.98	4.98	4.98
P-D1-CS-05	100Yr-072Hr	15.71	-0.12	0.32	5.00	5.00	5.00

Pipe Link: P-D1-D2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.05 ft	Invert:	-2.35 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-D2	005Yr-001Hr	9.90	-0.11	-0.05	4.12	4.12	4.12
P-D1-D2	005Yr-024Hr	12.39	-0.13	-0.07	5.15	5.15	5.15
P-D1-D2	010Yr-024Hr	12.31	-0.14	-0.06	5.12	5.12	5.12
P-D1-D2	025Yr-072Hr	12.19	-0.22	0.07	5.07	5.07	5.07
P-D1-D2	100Yr-072Hr	12.27	-0.19	0.08	5.10	5.10	5.10

Pipe Link: P-D1-E1		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.35 ft	Invert:	-2.90 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	694.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-E1	005Yr-001Hr	2.47	-0.06	-0.01	1.40	1.40	1.40
P-D1-E1	005Yr-024Hr	5.34	-0.06	-0.03	3.02	3.02	3.02
P-D1-E1	010Yr-024Hr	5.32	-0.06	0.03	3.01	3.01	3.01
P-D1-E1	025Yr-072Hr	5.34	-0.09	0.03	3.02	3.02	3.02
P-D1-E1	100Yr-072Hr	5.35	-0.08	0.03	3.03	3.03	3.03

Pipe Link: P-D2-D3		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.70 ft	Invert:	-2.05 ft
From Node:	NZA-D3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-D3	005Yr-001Hr	4.44	-0.03	0.03	2.51	2.51	2.51
P-D2-D3	005Yr-024Hr	7.71	-0.03	0.04	4.36	4.36	4.36
P-D2-D3	010Yr-024Hr	7.73	-0.03	0.03	4.37	4.37	4.37
P-D2-D3	025Yr-072Hr	7.74	-0.03	0.04	4.38	4.38	4.38
P-D2-D3	100Yr-072Hr	7.80	-0.03	-0.04	4.41	4.41	4.41

Pipe Link: P-D2-E3		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.70 ft	Invert:	-2.10 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.83 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-E3	005Yr-001Hr	0.08	-4.57	-0.08	-1.90	-1.90	-1.90
P-D2-E3	005Yr-024Hr	0.28	-5.35	-0.10	-2.23	-2.23	-2.23
P-D2-E3	010Yr-024Hr	0.23	-5.92	-0.10	-2.46	-2.46	-2.46
P-D2-E3	025Yr-072Hr	0.30	-6.36	-0.10	-2.64	-2.64	-2.64
P-D2-E3	100Yr-072Hr	0.34	-5.64	-0.10	-2.34	-2.34	-2.34

Pipe Link: P-D3-D4		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.33 ft	Invert:	-2.70 ft
From Node:	NZA-D4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D3-D4	005Yr-001Hr	2.32	-0.01	-0.01	2.95	2.95	2.95
P-D3-D4	005Yr-024Hr	3.20	-0.01	0.01	4.07	4.07	4.07
P-D3-D4	010Yr-024Hr	3.18	-0.01	-0.01	4.05	4.05	4.05
P-D3-D4	025Yr-072Hr	3.15	-0.01	0.02	4.01	4.01	4.01
P-D3-D4	100Yr-072Hr	3.12	-0.01	0.01	3.97	3.97	3.97

Pipe Link: P-D4-D5		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.43 ft	Invert:	-2.33 ft
From Node:	NZA-D5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D4-D5	005Yr-001Hr	1.38	-0.01	0.00	1.76	1.76	1.76
P-D4-D5	005Yr-024Hr	1.37	-0.84	0.06	1.74	1.74	1.74
P-D4-D5	010Yr-024Hr	1.35	-0.01	0.01	1.72	1.72	1.72
P-D4-D5	025Yr-072Hr	1.36	-0.01	0.02	1.73	1.73	1.73
P-D4-D5	100Yr-072Hr	1.36	-0.01	-0.01	1.73	1.73	1.73

Pipe Link: P-D5-D6		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.42 ft	Invert:	-2.43 ft
From Node:	NZA-D6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	301.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D5-D6	005Yr-001Hr	0.17	-0.49	0.02	-0.62	-0.62	-0.62
P-D5-D6	005Yr-024Hr	0.99	-1.64	-0.01	-2.09	-2.09	-2.09
P-D5-D6	010Yr-024Hr	0.99	-1.01	-0.01	-1.29	-1.29	-1.29
P-D5-D6	025Yr-072Hr	0.97	-0.77	-0.01	1.24	1.24	1.24
P-D5-D6	100Yr-072Hr	0.97	-0.72	-0.01	1.23	1.23	1.23

Pipe Link: P-D6-D7		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.42 ft	Invert:	-2.42 ft
From Node:	NZA-D7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D6-D7	005Yr-001Hr	0.01	-2.28	-0.04	-2.90	-2.90	-2.90
P-D6-D7	005Yr-024Hr	0.01	-2.81	-0.01	-3.57	-3.57	-3.57
P-D6-D7	010Yr-024Hr	0.11	-2.73	0.02	-3.48	-3.48	-3.48
P-D6-D7	025Yr-072Hr	0.15	-2.67	-0.01	-3.40	-3.40	-3.40
P-D6-D7	100Yr-072Hr	0.16	-2.00	-0.01	-2.55	-2.55	-2.55

Pipe Link: P-D7-E8		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.00 ft	Invert:	-1.00 ft
From Node:	NZA-D7	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-E8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	663.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D7-E8	005Yr-001Hr	3.83	-1.02	-0.25	1.22	1.22	1.22
P-D7-E8	005Yr-024Hr	7.56	-0.01	-0.08	2.41	2.41	2.41
P-D7-E8	010Yr-024Hr	7.36	-0.01	-0.07	2.34	2.34	2.34
P-D7-E8	025Yr-072Hr	7.05	-0.01	-0.07	2.24	2.24	2.24
P-D7-E8	100Yr-072Hr	7.42	-0.01	-0.06	2.36	2.36	2.36

Pipe Link: P-DS1-OUTFALL (94TH)		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.20 ft	Invert:	-3.12 ft
From Node:	NZA-DS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS1-OUTFALL (94TH)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	005Yr-024Hr	0.01	0.00	0.01	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	010Yr-024Hr	1.12	0.00	0.15	0.23	0.23	0.23
P-DS1-OUTFALL (94TH)	025Yr-072Hr	3.58	0.00	-0.33	0.73	0.73	0.73
P-DS1-OUTFALL (94TH)	100Yr-072Hr	7.27	0.00	-0.36	1.48	1.48	1.48

Pipe Link: P-DS2-OUTFALL		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.20 ft	Invert:	-2.47 ft
From Node:	NZA-DS2	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (89th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	010Yr-024Hr	0.01	0.00	0.01	0.00	0.00	0.00
P-DS2-OUTFALL	025Yr-072Hr	2.68	0.00	0.30	0.85	0.85	0.85
P-DS2-OUTFALL	100Yr-072Hr	4.95	0.00	0.24	1.58	1.58	1.58

Pipe Link: P-DS3-OUTFALL(CARLYLE)		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-4.70 ft	Invert:	-4.00 ft
From Node:	NZA-DS3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	11.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS3-OUTFALL(CARLYLE)	005Yr-001Hr	25.91	0.00	-10.32	3.67	3.67	3.67
P-DS3-OUTFALL(CARLYLE)	005Yr-024Hr	31.75	0.00	10.56	4.49	4.49	4.49
P-DS3-OUTFALL(CARLYLE)	010Yr-024Hr	36.06	0.00	10.56	5.10	5.10	5.10
P-DS3-OUTFALL(CARLYLE)	025Yr-072Hr	37.11	0.00	10.57	5.25	5.25	5.25
P-DS3-OUTFALL	100Yr-072Hr	39.71	0.00	10.56	5.62	5.62	5.62

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LL(CARLYLE)							

Pipe Link: P-E1-E2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.57 ft	Invert:	-2.18 ft
From Node:	NZA-E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	230.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	005Yr-001Hr	15.29	-0.02	0.01	4.87	4.87	4.87
P-E1-E2	005Yr-024Hr	19.76	-0.02	0.07	6.29	6.29	6.29
P-E1-E2	010Yr-024Hr	19.52	-0.02	-0.10	6.21	6.21	6.21
P-E1-E2	025Yr-072Hr	19.54	-0.02	-0.17	6.22	6.22	6.22
P-E1-E2	100Yr-072Hr	19.59	-0.02	-0.16	6.24	6.24	6.24

Pipe Link: P-E1-F1		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.90 ft	Invert:	-2.71 ft
From Node:	NZA-F1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	692.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-F1	005Yr-001Hr	2.43	-1.19	0.01	1.38	1.38	1.38
P-E1-F1	005Yr-024Hr	3.44	-1.69	-0.03	1.94	1.94	1.94
P-E1-F1	010Yr-024Hr	3.33	-1.68	-0.03	1.89	1.89	1.89
P-E1-F1	025Yr-072Hr	3.17	-1.48	-0.04	1.80	1.80	1.80
P-E1-F1	100Yr-072Hr	2.71	-1.50	-0.04	1.54	1.54	1.54

Pipe Link: P-E2-E3		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-0.45 ft	Invert:	-1.57 ft
From Node:	NZA-E3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E2-E3	005Yr-001Hr	8.79	-0.04	-0.01	2.80	2.80	2.80
P-E2-E3	005Yr-024Hr	13.54	-0.04	-0.10	4.31	4.31	4.31
P-E2-E3	010Yr-024Hr	13.50	-0.04	-0.09	4.30	4.30	4.30
P-E2-E3	025Yr-072Hr	13.54	-0.08	-0.14	4.31	4.31	4.31

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E2-E3	100Yr-072Hr	13.53	-0.06	-0.11	4.31	4.31	4.31

Pipe Link: P-E3-E4		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.57 ft	Invert:	-0.45 ft
From Node:	NZA-E4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	283.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	005Yr-001Hr	7.22	-0.08	0.08	2.30	4.08	3.19
P-E3-E4	005Yr-024Hr	10.79	-0.11	0.23	3.43	6.10	4.77
P-E3-E4	010Yr-024Hr	10.82	-0.11	0.25	3.45	6.13	4.79
P-E3-E4	025Yr-072Hr	10.74	-0.11	-0.27	3.42	6.08	4.75
P-E3-E4	100Yr-072Hr	10.67	-0.11	0.27	3.40	6.04	4.72

Pipe Link: P-E4-E5		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.57 ft	Invert:	-1.57 ft
From Node:	NZA-E5	Manning's N:	0.0012	Manning's N:	0.0012
To Node:	NZA-E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	277.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E4-E5	005Yr-001Hr	12.56	-0.19	-12.56	4.00	4.00	4.00
P-E4-E5	005Yr-024Hr	19.38	-0.46	-13.31	6.17	6.17	6.17
P-E4-E5	010Yr-024Hr	20.98	-0.29	-12.89	6.68	6.68	6.68
P-E4-E5	025Yr-072Hr	20.96	-0.57	-13.33	6.67	6.67	6.67
P-E4-E5	100Yr-072Hr	22.81	-0.52	-13.36	7.26	7.26	7.26

Pipe Link: P-E5-E6		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.79 ft	Invert:	-1.57 ft
From Node:	NZA-E6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.25 ft	Max Depth:	2.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E5-E6	005Yr-001Hr	3.37	-3.43	0.79	-0.86	-0.86	-0.86
P-E5-E6	005Yr-024Hr	9.13	-3.24	0.79	2.29	2.29	2.29
P-E5-E6	010Yr-024Hr	9.10	-3.12	0.75	2.29	2.29	2.29
P-E5-E6	025Yr-072Hr	8.48	-0.15	0.77	2.13	2.13	2.13

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E5-E6	100Yr-072Hr	8.33	-0.15	0.73	2.10	2.10	2.10

Pipe Link: P-E6-E7		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.89 ft	Invert:	-1.79 ft
From Node:	NZA-E7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	005Yr-001Hr	1.84	-2.08	-0.03	-1.17	-1.17	-1.17
P-E6-E7	005Yr-024Hr	5.92	-1.73	0.07	3.35	3.35	3.35
P-E6-E7	010Yr-024Hr	5.86	-1.31	0.07	3.32	3.32	3.32
P-E6-E7	025Yr-072Hr	5.46	-0.07	0.07	3.09	3.09	3.09
P-E6-E7	100Yr-072Hr	5.53	-0.07	0.07	3.13	3.13	3.13

Pipe Link: P-E7-E8		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-0.69 ft	Invert:	-1.89 ft
From Node:	NZA-E8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E7-E8	005Yr-001Hr	0.65	-0.90	-0.06	-1.14	-1.14	-1.14
P-E7-E8	005Yr-024Hr	2.63	-0.73	0.03	3.35	3.35	3.35
P-E7-E8	010Yr-024Hr	2.59	-0.41	0.03	3.29	3.29	3.29
P-E7-E8	025Yr-072Hr	2.53	-0.04	0.03	3.22	3.22	3.22
P-E7-E8	100Yr-072Hr	2.48	-0.04	0.03	3.16	3.16	3.16

Pipe Link: P-E8-F9		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.00 ft	Invert:	-1.00 ft
From Node:	NZA-E8	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-F9	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	664.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E8-F9	005Yr-001Hr	4.74	-0.87	0.38	1.51	1.51	1.51
P-E8-F9	005Yr-024Hr	8.40	-0.41	-0.14	2.67	2.67	2.67
P-E8-F9	010Yr-024Hr	8.38	-0.11	-0.12	2.67	2.67	2.67
P-E8-F9	025Yr-072Hr	7.99	-0.16	-0.15	2.54	2.54	2.54

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E8-F9	100Yr-072Hr	8.08	-0.15	-0.06	2.57	2.57	2.57

Pipe Link: P-F1-F2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.66 ft	Invert:	-1.36 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-F2	005Yr-001Hr	2.45	-0.03	0.01	3.12	3.12	3.12
P-F1-F2	005Yr-024Hr	2.44	-0.23	-0.01	3.11	3.11	3.11
P-F1-F2	010Yr-024Hr	2.43	-0.23	-0.01	3.10	3.10	3.10
P-F1-F2	025Yr-072Hr	2.44	-0.42	-0.01	3.11	3.11	3.11
P-F1-F2	100Yr-072Hr	2.39	-0.58	-0.01	3.05	3.05	3.05

Pipe Link: P-F1-G1		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.71 ft	Invert:	-2.80 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	119.25 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	005Yr-001Hr	1.18	-2.10	-0.05	-1.19	-1.19	-1.19
P-F1-G1	005Yr-024Hr	1.71	-3.64	-0.10	-2.06	-2.06	-2.06
P-F1-G1	010Yr-024Hr	3.12	-4.66	-0.09	-2.64	-2.64	-2.64
P-F1-G1	025Yr-072Hr	3.81	-4.88	-0.09	-2.76	-2.76	-2.76
P-F1-G1	100Yr-072Hr	4.16	-4.86	-0.10	-2.75	-2.75	-2.75

Pipe Link: P-F2-F3		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	0.36 ft	Invert:	-1.66 ft
From Node:	NZA-F3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-F3	005Yr-001Hr	1.79	0.00	0.00	2.28	2.28	2.28
P-F2-F3	005Yr-024Hr	2.54	-0.09	0.03	3.23	3.23	3.23
P-F2-F3	010Yr-024Hr	2.52	-0.09	0.03	3.21	3.21	3.21
P-F2-F3	025Yr-072Hr	2.47	-0.09	0.03	3.15	3.15	3.15

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-F3	100Yr-072Hr	2.40	-0.09	0.03	3.06	3.06	3.06

Pipe Link: P-F2-G2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.65 ft	Invert:	-1.65 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	495.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-G2	005Yr-001Hr	1.83	0.00	0.01	2.32	2.32	2.32
P-F2-G2	005Yr-024Hr	2.19	0.00	0.06	2.78	2.78	2.78
P-F2-G2	010Yr-024Hr	2.17	0.00	0.06	2.76	2.76	2.76
P-F2-G2	025Yr-072Hr	2.17	0.00	0.07	2.76	2.76	2.76
P-F2-G2	100Yr-072Hr	2.17	0.00	0.07	2.76	2.76	2.76

Pipe Link: P-F4-F5		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	0.51 ft	Invert:	1.47 ft
From Node:	NZA-F5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	005Yr-001Hr	0.58	0.00	0.00	1.06	1.06	1.06
P-F4-F5	005Yr-024Hr	0.61	0.00	0.00	1.12	1.12	1.12
P-F4-F5	010Yr-024Hr	0.64	0.00	0.00	1.18	1.18	1.18
P-F4-F5	025Yr-072Hr	0.65	0.00	0.01	1.19	1.19	1.19
P-F4-F5	100Yr-072Hr	0.64	0.00	0.00	1.17	1.17	1.17

Pipe Link: P-F4-G4		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	1.47 ft	Invert:	1.47 ft
From Node:	NZA-F4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	510.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-G4	005Yr-001Hr	1.01	-0.48	0.00	1.85	1.88	1.86
P-F4-G4	005Yr-024Hr	1.64	-0.44	0.00	3.01	3.12	3.04
P-F4-G4	010Yr-024Hr	1.63	-0.47	0.00	2.99	3.07	3.01
P-F4-G4	025Yr-072Hr	1.62	0.00	0.01	2.96	3.04	2.98

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-G4	100Yr-072Hr	1.59	0.00	0.01	2.91	2.91	2.91

Pipe Link: P-F5-F6		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-F6	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-F5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F5-F6	005Yr-001Hr	0.58	-1.51	-0.02	-0.86	-0.86	-0.86
P-F5-F6	005Yr-024Hr	1.63	-1.45	0.02	0.92	0.92	0.92
P-F5-F6	010Yr-024Hr	1.99	-1.42	0.01	1.13	1.13	1.13
P-F5-F6	025Yr-072Hr	1.00	-1.39	0.02	-0.79	-0.79	-0.79
P-F5-F6	100Yr-072Hr	1.85	-1.39	0.02	1.05	1.05	1.05

Pipe Link: P-F6-F7		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	0.25 ft	Invert:	-2.00 ft
From Node:	NZA-F7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	271.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	005Yr-001Hr	1.42	-0.80	0.00	1.81	1.81	1.81
P-F6-F7	005Yr-024Hr	1.12	-2.02	0.00	-2.57	-2.57	-2.57
P-F6-F7	010Yr-024Hr	0.91	-1.97	0.00	-2.51	-2.51	-2.51
P-F6-F7	025Yr-072Hr	0.44	-1.69	-0.01	-2.15	-2.15	-2.15
P-F6-F7	100Yr-072Hr	0.34	-1.27	-0.01	-1.61	-1.61	-1.61

Pipe Link: P-F7-F8		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.17 ft	Invert:	0.25 ft
From Node:	NZA-F8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	303.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F7-F8	005Yr-001Hr	0.00	-1.54	0.00	-1.96	-1.96	-1.96
P-F7-F8	005Yr-024Hr	0.05	-2.69	0.01	-3.43	-3.43	-3.43
P-F7-F8	010Yr-024Hr	0.15	-2.64	-0.01	-3.36	-3.36	-3.36
P-F7-F8	025Yr-072Hr	0.01	-2.62	0.01	-3.33	-3.33	-3.33

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F7-F8	100Yr-072Hr	0.07	-2.48	0.01	-3.16	-3.16	-3.16

Pipe Link: P-F8-F9		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.83 ft	Invert:	-2.17 ft
From Node:	NZA-F9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	321.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-F9	005Yr-001Hr	5.80	-0.03	-0.23	1.85	1.85	1.85
P-F8-F9	005Yr-024Hr	8.76	-0.09	0.07	2.79	2.79	2.79
P-F8-F9	010Yr-024Hr	8.75	-0.08	-0.06	2.78	2.78	2.78
P-F8-F9	025Yr-072Hr	8.52	-0.13	0.08	2.71	2.71	2.71
P-F8-F9	100Yr-072Hr	8.55	-0.11	-0.05	2.72	2.72	2.72

Pipe Link: P-F8-G8		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	0.88 ft	Invert:	0.61 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	525.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	005Yr-001Hr	0.00	-3.40	0.00	-0.48	-0.52	-0.50
P-F8-G8	005Yr-024Hr	0.00	-5.48	-0.01	-0.78	-0.78	-0.78
P-F8-G8	010Yr-024Hr	0.00	-6.99	-0.01	-0.99	-0.99	-0.99
P-F8-G8	025Yr-072Hr	0.00	-7.55	-0.01	-1.07	-1.07	-1.07
P-F8-G8	100Yr-072Hr	0.00	-7.91	-0.01	-1.12	-1.12	-1.12

Pipe Link: P-FDOT-1A-2A		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-4.86 ft	Invert:	-3.43 ft
From Node:	FDOT-1A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-2A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.42 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-1A-2A	005Yr-001Hr	3.36	-2.85	-0.76	1.07	1.07	1.07
P-FDOT-1A-2A	005Yr-024Hr	2.88	-3.43	-0.76	-1.09	-1.09	-1.09

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-1A-2A	010Yr-024Hr	2.79	-3.75	-0.76	-1.19	-1.19	-1.19
P-FDOT-1A-2A	025Yr-072Hr	3.74	-2.85	-0.76	1.19	1.19	1.19
P-FDOT-1A-2A	100Yr-072Hr	5.38	-3.19	-0.76	1.71	1.71	1.71

Pipe Link: P-FDOT-2A-3A		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-3.43 ft	Invert:	-2.16 ft
From Node:	FDOT-2A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	235.86 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2A-3A	005Yr-001Hr	3.36	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	005Yr-024Hr	8.16	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	010Yr-024Hr	9.85	-9.60	-4.15	1.39	1.39	1.39
P-FDOT-2A-3A	025Yr-072Hr	11.06	-9.60	-4.15	1.56	1.56	1.56
P-FDOT-2A-3A	100Yr-072Hr	15.39	-9.60	-4.15	2.18	2.18	2.18

Pipe Link: P-FDOT-2B-3B		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.97 ft	Invert:	-4.38 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	657.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-3B	005Yr-001Hr	9.82	-7.25	3.06	1.02	1.02	1.02
P-FDOT-2B-3B	005Yr-024Hr	9.82	-8.53	3.06	1.02	1.02	1.02
P-FDOT-2B-3B	010Yr-024Hr	9.82	-11.80	3.06	-1.23	-1.23	-1.23
P-FDOT-2B-3B	025Yr-072Hr	9.82	-14.23	3.06	-1.48	-1.48	-1.48
P-FDOT-2B-3B	100Yr-072Hr	9.82	-16.19	3.06	-1.68	-1.68	-1.68

Pipe Link: P-FDOT-2B-B4		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.97 ft	Invert:	-3.77 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.04 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-B 4	005Yr-001Hr	1.85	-17.84	-0.84	-5.68	-5.68	-5.68
P-FDOT-2B-B 4	005Yr-024Hr	2.80	-23.04	1.05	-7.33	-7.33	-7.33
P-FDOT-2B-B 4	010Yr-024Hr	2.79	-28.40	1.09	-9.04	-9.04	-9.04
P-FDOT-2B-B 4	025Yr-072Hr	2.84	-30.54	1.08	-9.72	-9.72	-9.72
P-FDOT-2B-B 4	100Yr-072Hr	2.83	-31.39	1.03	-9.99	-9.99	-9.99

Pipe Link: P-FDOT-3A-4A		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.16 ft	Invert:	-7.00 ft
From Node:	FDOT-3A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-4A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	264.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3A-4 A	005Yr-001Hr	7.02	-28.26	4.31	-2.94	-2.94	-2.94

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3A-4A	005Yr-024Hr	11.35	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	010Yr-024Hr	14.97	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	025Yr-072Hr	16.28	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	100Yr-072Hr	22.89	-28.26	4.31	-2.94	-2.94	-2.94

Pipe Link: P-FDOT-3B-4B		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-4.38 ft	Invert:	-5.00 ft
From Node:	FDOT-5B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.53 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3B-4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-FDOT-4B-5B		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-5.00 ft	Invert:	-4.16 ft
From Node:	FDOT-4B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.31 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-4B-5B	005Yr-001Hr	0.31	-3.31	-0.06	-0.67	-0.67	-0.67
P-FDOT-4B-5B	005Yr-024Hr	3.79	-2.97	0.06	0.77	0.77	0.77
P-FDOT-4B-5B	010Yr-024Hr	4.64	-1.17	0.06	0.94	0.94	0.94
P-FDOT-4B-5B	025Yr-072Hr	5.23	-0.14	0.04	1.07	1.07	1.07
P-FDOT-4B-5B	100Yr-072Hr	6.30	-0.18	0.05	1.28	1.28	1.28

Pipe Link: P-FDOT-S106-S101		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-6.18 ft	Invert:	-9.20 ft
From Node:	NZA-S-106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-S106 -S101	005Yr-001Hr	1.67	-14.44	-4.87	-2.04	-2.04	-2.04
P-FDOT-S106 -S101	005Yr-024Hr	4.18	-14.73	-6.88	-2.08	-2.08	-2.08
P-FDOT-S106 -S101	010Yr-024Hr	5.62	-14.72	-6.80	-2.08	-2.08	-2.08
P-FDOT-S106 -S101	025Yr-072Hr	7.44	-14.77	-7.07	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	100Yr-072Hr	10.55	-14.77	-7.01	-2.09	-2.09	-2.09

Pipe Link: P-FDOT2B - S-82		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-3.45 ft	Invert:	0.00 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	378.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT2B - S-82	005Yr-001Hr	31.74	-29.10	2.24	-6.21	6.35	4.43

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT2B - S-82	005Yr-024Hr	39.69	-29.10	2.24	-6.21	6.84	5.00
P-FDOT2B - S-82	010Yr-024Hr	47.94	-29.10	2.24	-6.21	7.18	5.42
P-FDOT2B - S-82	025Yr-072Hr	50.47	-29.10	2.24	-6.21	7.16	5.40
P-FDOT2B - S-82	100Yr-072Hr	53.67	-29.10	2.24	-6.21	7.24	5.50

Pipe Link: P-FDOT4A-S106		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	3.81 ft	Invert:	-6.18 ft
From Node:	FDOT-4A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	823.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT4A-S106	005Yr-001Hr	4.46	0.00	0.00	3.86	0.63	2.25
P-FDOT4A-S106	005Yr-024Hr	9.82	0.00	0.00	4.82	1.39	3.10
P-FDOT4A-S106	010Yr-024Hr	16.06	0.00	0.00	5.58	2.27	3.93
P-FDOT4A-S106	025Yr-072Hr	21.26	0.00	0.00	6.11	3.01	4.56
P-FDOT4A-S106	100Yr-072Hr	30.18	0.00	0.00	6.91	4.27	5.59

Pipe Link: P-G1-G2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.80 ft	Invert:	-3.19 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G1-G2	005Yr-001Hr	3.04	-0.03	0.05	1.72	1.72	1.72
P-G1-G2	005Yr-024Hr	4.66	-0.03	0.19	2.63	2.63	2.63
P-G1-G2	010Yr-024Hr	6.20	-0.03	0.18	3.51	3.51	3.51
P-G1-G2	025Yr-072Hr	6.57	-1.34	0.25	3.72	3.72	3.72
P-G1-G2	100Yr-072Hr	6.71	-2.38	0.21	3.80	3.80	3.80

Pipe Link: P-G2-CS-02		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.22 ft	Invert:	-2.30 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-CS-02	005Yr-001Hr	23.59	-0.01	1.33	7.51	7.51	7.51
P-G2-CS-02	005Yr-024Hr	26.75	-0.01	1.60	8.51	8.51	8.51
P-G2-CS-02	010Yr-024Hr	33.02	-0.01	1.69	10.51	10.51	10.51
P-G2-CS-02	025Yr-072Hr	35.53	-0.01	1.84	11.31	11.31	11.31
P-G2-CS-02	100Yr-072Hr	37.78	-0.01	1.84	12.03	12.03	12.03

Pipe Link: P-G2-G3		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-3.38 ft	Invert:	-2.22 ft
From Node:	NZA-G3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-G3	005Yr-001Hr	14.51	-0.54	0.57	4.62	4.62	4.62
P-G2-G3	005Yr-024Hr	15.34	-0.02	0.51	4.88	4.88	4.88
P-G2-G3	010Yr-024Hr	15.32	-0.02	0.48	4.88	4.88	4.88
P-G2-G3	025Yr-072Hr	15.89	-0.01	0.54	5.06	5.06	5.06
P-G2-G3	100Yr-072Hr	15.96	-0.01	0.62	5.08	5.08	5.08

Pipe Link: P-G2-I1		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-3.19 ft	Invert:	-2.93 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	563.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-I1	005Yr-001Hr	2.76	-1.57	-0.20	1.56	1.56	1.56
P-G2-I1	005Yr-024Hr	3.18	-1.59	-0.36	1.80	1.80	1.80
P-G2-I1	010Yr-024Hr	5.47	-1.59	-0.36	3.10	3.10	3.10
P-G2-I1	025Yr-072Hr	6.20	-1.59	-0.37	3.51	3.51	3.51
P-G2-I1	100Yr-072Hr	6.23	-1.59	-0.37	3.53	3.53	3.53

Pipe Link: P-G3-G4		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	1.48 ft	Invert:	-3.38 ft
From Node:	NZA-G4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	270.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G3-G4	005Yr-001Hr	8.57	-0.64	0.12	3.26	2.73	2.73
P-G3-G4	005Yr-024Hr	10.50	-0.03	0.08	3.75	3.34	3.34
P-G3-G4	010Yr-024Hr	11.38	-0.03	0.08	3.76	3.62	3.62
P-G3-G4	025Yr-072Hr	10.81	-0.02	0.08	3.73	3.44	3.44
P-G3-G4	100Yr-072Hr	10.57	-0.02	0.08	3.72	3.37	3.37

Pipe Link: P-G4-G5		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	0.28 ft	Invert:	1.48 ft
From Node:	NZA-G5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G4-G5	005Yr-001Hr	4.52	0.00	0.01	2.56	2.56	2.56
P-G4-G5	005Yr-024Hr	8.03	0.00	-0.01	4.54	4.54	4.54
P-G4-G5	010Yr-024Hr	8.08	0.00	-0.01	4.57	4.57	4.57
P-G4-G5	025Yr-072Hr	8.13	0.00	0.02	4.60	4.60	4.60
P-G4-G5	100Yr-072Hr	8.10	0.00	0.02	4.58	4.58	4.58

Pipe Link: P-G5-G6		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	0.19 ft	Invert:	0.28 ft
From Node:	NZA-G6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G5-G6	005Yr-001Hr	1.37	-0.01	0.00	1.74	1.74	1.74
P-G5-G6	005Yr-024Hr	2.89	0.00	0.01	3.68	3.68	3.68
P-G5-G6	010Yr-024Hr	2.90	0.00	0.01	3.70	3.70	3.70
P-G5-G6	025Yr-072Hr	2.91	0.00	0.01	3.71	3.71	3.71
P-G5-G6	100Yr-072Hr	2.88	0.00	0.01	3.66	3.66	3.66

Pipe Link: P-G6-G8		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-0.37 ft	Invert:	0.19 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	550.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-G8	005Yr-001Hr	0.39	-2.23	0.00	-1.26	-1.26	-1.26
P-G6-G8	005Yr-024Hr	1.92	-1.86	0.03	1.08	1.08	1.08
P-G6-G8	010Yr-024Hr	1.98	-1.42	0.03	1.12	1.12	1.12
P-G6-G8	025Yr-072Hr	1.95	-0.92	0.03	1.10	1.10	1.10
P-G6-G8	100Yr-072Hr	1.77	-0.12	0.03	1.00	1.00	1.00

Pipe Link: P-G6-I7		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.97 ft	Invert:	-3.42 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-I7	005Yr-001Hr	20.19	0.00	0.00	2.86	2.86	2.86
P-G6-I7	005Yr-024Hr	27.40	-0.08	-2.20	3.88	3.88	3.88
P-G6-I7	010Yr-024Hr	29.87	-0.11	-2.06	4.23	4.23	4.23
P-G6-I7	025Yr-072Hr	31.37	-0.11	-2.24	4.44	4.44	4.44
P-G6-I7	100Yr-072Hr	32.61	-0.11	-2.18	4.61	4.61	4.61

Pipe Link: P-G8-G9		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	0.81 ft	Invert:	-0.37 ft
From Node:	NZA-G9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-G9	005Yr-001Hr	6.10	-0.03	0.00	2.54	2.54	2.54
P-G8-G9	005Yr-024Hr	6.31	0.00	0.03	2.62	2.62	2.62
P-G8-G9	010Yr-024Hr	6.13	0.00	0.03	2.55	2.55	2.55
P-G8-G9	025Yr-072Hr	5.73	0.00	-0.04	2.38	2.38	2.38
P-G8-G9	100Yr-072Hr	5.08	0.00	-0.04	2.11	2.11	2.11

Pipe Link: P-G8-I7		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.30 ft	Invert:	-1.83 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	570.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-I7	005Yr-001Hr	0.43	-16.51	0.00	-2.34	-2.34	-2.34
P-G8-I7	005Yr-024Hr	0.18	-17.40	-1.02	-2.46	-2.46	-2.46
P-G8-I7	010Yr-024Hr	0.17	-17.25	-0.87	-2.44	-2.44	-2.44
P-G8-I7	025Yr-072Hr	0.18	-17.56	-0.97	-2.48	-2.48	-2.48
P-G8-I7	100Yr-072Hr	0.18	-18.06	-0.92	-2.56	-2.56	-2.56

Pipe Link: P-I1-I2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.17 ft	Invert:	-2.32 ft
From Node:	NZA-I2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I1-I2	005Yr-001Hr	1.70	-0.03	0.02	3.12	3.12	3.12
P-I1-I2	005Yr-024Hr	1.96	-0.18	0.04	3.60	3.60	3.60
P-I1-I2	010Yr-024Hr	1.94	-0.18	0.04	3.55	3.55	3.55
P-I1-I2	025Yr-072Hr	1.91	-0.19	0.04	3.50	3.50	3.50
P-I1-I2	100Yr-072Hr	1.90	-0.19	0.04	3.49	3.49	3.49

Pipe Link: P-I3-I4		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-1.54 ft	Invert:	1.02 ft
From Node:	NZA-I4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I3-I4	005Yr-001Hr	0.00	-1.10	-0.01	-0.62	-0.62	-0.62
P-I3-I4	005Yr-024Hr	0.36	-0.92	0.02	-0.52	-0.52	-0.52
P-I3-I4	010Yr-024Hr	0.41	-0.90	-0.01	-0.51	-0.51	-0.51
P-I3-I4	025Yr-072Hr	0.65	-0.86	-0.04	-0.49	-0.49	-0.49
P-I3-I4	100Yr-072Hr	1.79	-0.86	-0.04	1.02	1.02	1.02

Pipe Link: P-I4-I5		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-0.68 ft	Invert:	-1.54 ft
From Node:	NZA-I5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I4-I5	005Yr-001Hr	0.00	-1.17	0.00	-1.49	-1.49	-1.49
P-I4-I5	005Yr-024Hr	0.30	-1.85	0.01	-2.35	-2.35	-2.35
P-I4-I5	010Yr-024Hr	0.81	-1.83	-0.01	-2.33	-2.33	-2.33
P-I4-I5	025Yr-072Hr	0.91	-1.74	-0.01	-2.22	-2.22	-2.22
P-I4-I5	100Yr-072Hr	0.88	-1.73	-0.01	-2.21	-2.21	-2.21

Pipe Link: P-I5-I6		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.97 ft	Invert:	-0.74 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I5-I6	005Yr-001Hr	0.00	-2.25	0.00	-2.87	-2.87	-2.87
P-I5-I6	005Yr-024Hr	0.00	-2.43	0.02	-3.09	-3.09	-3.09
P-I5-I6	010Yr-024Hr	0.00	-2.42	-0.01	-3.08	-3.08	-3.08
P-I5-I6	025Yr-072Hr	0.02	-2.34	0.02	-2.98	-2.98	-2.98
P-I5-I6	100Yr-072Hr	0.21	-2.35	0.02	-2.99	-2.99	-2.99

Pipe Link: P-I6-CS-03		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-3.46 ft	Invert:	-4.50 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I6-CS-03	005Yr-001Hr	25.87	0.00	0.00	3.66	3.66	3.66
P-I6-CS-03	005Yr-024Hr	31.72	0.00	2.62	4.49	4.49	4.49
P-I6-CS-03	010Yr-024Hr	36.04	0.00	2.46	5.10	5.10	5.10
P-I6-CS-03	025Yr-072Hr	37.09	0.00	2.61	5.25	5.25	5.25
P-I6-CS-03	100Yr-072Hr	39.69	0.00	2.63	5.62	5.62	5.62

Pipe Link: P-I7-I8		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.67 ft	Invert:	-2.97 ft
From Node:	NZA-I8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I7-I8	005Yr-001Hr	5.26	0.00	0.00	2.97	2.97	2.97
P-I7-I8	005Yr-024Hr	6.12	0.00	0.23	3.47	3.47	3.47
P-I7-I8	010Yr-024Hr	6.10	0.00	0.20	3.45	3.45	3.45
P-I7-I8	025Yr-072Hr	5.74	-0.01	-0.05	3.25	3.25	3.25
P-I7-I8	100Yr-072Hr	5.72	0.00	-0.10	3.23	3.23	3.23

Pipe Link: P-OUTFALL(96th)-CS-TOWN		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-CS-TOWN	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (96th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-OUTFALL(96th)-CS-TOWN	005Yr-001Hr	11.20	0.00	0.00	3.67	5.01	4.34
P-OUTFALL(96th)-CS-TOWN	005Yr-024Hr	13.26	0.00	0.00	3.91	5.27	4.59
P-OUTFALL(96th)-CS-TOWN	010Yr-024Hr	17.53	0.00	0.00	4.34	5.74	5.04
P-OUTFALL(96th)-CS-TOWN	025Yr-072Hr	20.03	0.00	0.00	4.57	5.99	5.28
P-OUTFALL(96th)-CS-TOWN	100Yr-072Hr	24.36	0.00	-0.01	4.95	6.40	5.67

Pipe Link: P-PS1-CS1		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.78 ft	Invert:	-2.75 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-CS1	005Yr-001Hr	0.30	-36.22	-24.26	-5.12	-5.12	-5.12
P-PS1-CS1	005Yr-024Hr	0.39	-38.57	-27.57	-5.46	-5.46	-5.46
P-PS1-CS1	010Yr-024Hr	0.30	-39.68	-27.76	-5.61	-5.61	-5.61
P-PS1-CS1	025Yr-072Hr	0.39	-39.71	-26.04	-5.62	-5.62	-5.62
P-PS1-CS1	100Yr-072Hr	0.39	-39.72	-27.89	-5.62	-5.62	-5.62

Pipe Link: P-PS1-DS1		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-DS1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS2-CS-02		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	-2.50 ft	Invert:	-2.30 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-CS-02	005Yr-001Hr	0.01	-28.26	22.22	-4.00	-4.00	-4.00
P-PS2-CS-02	005Yr-024Hr	0.06	-29.86	23.79	-4.22	-4.22	-4.22
P-PS2-CS-02	010Yr-024Hr	0.02	-33.07	-25.39	-4.68	-4.68	-4.68
P-PS2-CS-02	025Yr-072Hr	0.07	-33.09	-25.68	-4.68	-4.68	-4.68
P-PS2-CS-02	100Yr-072Hr	0.14	-33.11	23.77	-4.68	-4.68	-4.68

Pipe Link: P-PS2-DS2		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-DS2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS3-DS3		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS3-DS3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-S-82 - S-77		Upstream		Downstream	
Scenario:	OPTION 3	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-S-82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	888.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-S-82 - S-77	005Yr-001Hr	0.28	-0.06	0.01	0.51	1.89	1.20
P-S-82 - S-77	005Yr-024Hr	0.26	-0.28	-0.04	-0.50	-1.87	-1.19
P-S-82 - S-77	010Yr-024Hr	3.13	-1.02	-0.04	1.25	2.55	1.82
P-S-82 - S-77	025Yr-072Hr	4.47	-1.72	-0.03	1.42	2.67	1.95
P-S-82 - S-77	100Yr-072Hr	6.47	-3.19	-0.04	1.67	3.50	2.43

Drop Structure Link: S-101		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 3	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	8.00 ft	Op Table:	
Control Elevation:	8.00 ft	Ref Node:	
Max Depth:	1.50 ft	Discharge Coefficients	
Max Width:	6.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-101 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir:	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
S-101 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Drop Structure Link: S-77		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 3	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S-77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	Discharge Coefficients	
Max Depth:	1.50 ft	Weir Default:	3.200
Max Width:	6.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-77 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-A1-A2

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	NZA-A2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.61 ft	**Discharge Coefficients**	
Control Elevation:	4.61 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-A2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-A2	005Yr-024Hr	0.00	-8.12	0.00	0.00	0.00	0.00
W-A1-A2	010Yr-024Hr	0.00	-17.41	0.00	0.00	0.00	0.00
W-A1-A2	025Yr-072Hr	0.00	-25.21	0.00	0.00	0.00	0.00
W-A1-A2	100Yr-072Hr	0.00	-39.86	-0.01	-3.62	-3.62	-3.62

Weir Link: W-A1-B1

Scenario:	OPTION 3
From Node:	NZA-A1
To Node:	NZA-B1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.38 ft
Control Elevation:	4.38 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	100Yr-072Hr	4.28	0.00	0.00	1.14	1.14	1.14

Weir Link: W-A1-OUTFALL

Scenario:	OPTION 3
From Node:	NZA-A1
To Node:	OUTFALL (95th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	3.81 ft
Control Elevation:	3.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	010Yr-024Hr	14.65	0.00	0.00	1.73	1.73	1.73
W-A1-OUTFALL	025Yr-072Hr	25.71	0.00	0.00	2.34	2.34	2.34
W-A1-OUTFALL	100Yr-072Hr	41.75	0.00	0.01	3.80	3.80	3.80

Weir Link: W-A2-A3

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	NZA-A2	Default:	0.00 ft
To Node:	NZA-A3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.72 ft	**Discharge Coefficients**	
Control Elevation:	4.72 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A2-A3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A2-A3	005Yr-024Hr	0.00	-6.80	0.00	-1.34	-1.34	-1.34
W-A2-A3	010Yr-024Hr	0.00	-12.10	0.00	-1.60	-1.60	-1.60
W-A2-A3	025Yr-072Hr	0.00	-16.71	0.00	-1.72	-1.72	-1.72
W-A2-A3	100Yr-072Hr	0.00	-29.74	-0.21	-2.70	-2.70	-2.70

Weir Link: W-A3-A4

Scenario:	OPTION 3
From Node:	NZA-A4
To Node:	NZA-A3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.41 ft
Control Elevation:	5.41 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A3-A4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	025Yr-072Hr	1.07	0.00	0.00	0.73	0.73	0.73
W-A3-A4	100Yr-072Hr	16.76	0.00	0.00	1.81	1.81	1.81

Weir Link: W-A4-B4

Scenario:	OPTION 3
From Node:	NZA-A4
To Node:	NZA-B4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.02 ft
Control Elevation:	5.02 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	005Yr-024Hr	1.07	0.00	0.00	0.73	0.73	0.73
W-A4-B4	010Yr-024Hr	5.48	0.00	0.00	1.25	1.25	1.25
W-A4-B4	025Yr-072Hr	13.64	0.00	0.00	1.63	1.63	1.63
W-A4-B4	100Yr-072Hr	15.46	-1.87	-2.00	1.67	1.67	1.67

Weir Link: W-A4-FDOT1B

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.22 ft	**Discharge Coefficients**	
Control Elevation:	4.22 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-FDOT1B	005Yr-001Hr	4.37	0.00	0.01	1.16	1.16	1.16
W-A4-FDOT1B	005Yr-024Hr	3.63	0.00	0.01	1.08	1.08	1.08
W-A4-FDOT1B	010Yr-024Hr	1.54	0.00	0.00	0.80	0.80	0.80
W-A4-FDOT1B	025Yr-072Hr	5.63	0.00	0.01	0.51	0.51	0.51
W-A4-FDOT1B	100Yr-072Hr	9.00	0.00	0.04	0.82	0.82	0.82

Weir Link: W-AA1-AA2

Scenario:	OPTION 3
From Node:	NZA-AA1
To Node:	NZA-AA2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-AA2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA1-OUTFALL(96th)

Scenario:	OPTION 3
From Node:	NZA-AA1
To Node:	OUTFALL (96th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-OUTFALL(96th)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA2-AA3

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	NZA-AA3	Default:	0.00 ft
To Node:	NZA-AA2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA2-AA3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA3-AA4

Scenario:	OPTION 3
From Node:	NZA-AA4
To Node:	NZA-AA3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA3-AA4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	100Yr-072Hr	0.02	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA4-AA5

Scenario:	OPTION 3
From Node:	NZA-AA5
To Node:	NZA-AA4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA4-AA5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	100Yr-072Hr	0.10	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA7-A4

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-AA7	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-001Hr	0.00	-12.81	0.01	-1.65	-1.65	-1.65
W-AA7-A4	005Yr-024Hr	2.66	-9.55	-2.08	-1.45	-1.45	-1.45
W-AA7-A4	010Yr-024Hr	2.43	-8.03	-3.12	-0.95	-0.95	-0.95
W-AA7-A4	025Yr-072Hr	2.72	-8.74	-2.59	0.83	0.83	0.83
W-AA7-A4	100Yr-072Hr	3.74	-12.03	-2.08	-1.09	-1.09	-1.09

Weir Link: W-B1-B2

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	NZA-B2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.50 ft	Ref Node:	
Control Elevation:	4.50 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	20.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	010Yr-024Hr	0.00	-0.66	0.00	0.00	0.00	0.00
W-B1-B2	025Yr-072Hr	0.00	-8.38	0.00	0.00	0.00	0.00
W-B1-B2	100Yr-072Hr	0.00	-25.72	0.00	-2.57	-2.57	-2.57

Weir Link: W-B1-OUTFALL

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	OUTFALL (94th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.90 ft	Discharge Coefficients	
Control Elevation:	3.90 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-OUTFA	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LL							
W-B1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	025Yr-072Hr	7.48	0.00	0.00	1.43	1.43	1.43
W-B1-OUTFALL	100Yr-072Hr	35.05	0.00	0.00	3.50	3.50	3.50

Weir Link: W-B2-B3

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-B2	Default:	0.00 ft
To Node:	NZA-B3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.54 ft	Discharge Coefficients	
Control Elevation:	4.54 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B2-B3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	010Yr-024Hr	0.00	-6.13	0.00	0.00	0.00	0.00
W-B2-B3	025Yr-072Hr	0.00	-12.19	0.00	-1.68	-1.68	-1.68
W-B2-B3	100Yr-072Hr	0.00	-21.27	0.00	-2.13	-2.13	-2.13

Weir Link: W-B3-B4

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft

To Node:	NZA-B3		
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	5.52 ft	Ref Node:	
Control Elevation:	5.52 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	20.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B3-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	100Yr-072Hr	9.14	0.00	0.00	1.53	1.53	1.53

Weir Link: W-B4-C2

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.69 ft	Discharge Coefficients	
Control Elevation:	5.69 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-C2	005Yr-001Hr	0.00	-4.35	0.00	0.00	0.00	0.00
W-B4-C2	005Yr-024Hr	0.00	-8.67	0.00	0.00	0.00	0.00
W-B4-C2	010Yr-024Hr	0.00	-13.39	0.00	0.00	0.00	0.00
W-B4-C2	025Yr-072Hr	0.00	-16.86	0.00	0.00	0.00	0.00
W-B4-C2	100Yr-072Hr	0.00	-24.00	0.00	-2.00	-2.00	-2.00

Weir Link: W-B4-FDOT2B

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.21 ft	**Discharge Coefficients**	
Control Elevation:	4.21 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2B	005Yr-001Hr	8.89	0.00	0.01	1.52	1.52	1.52
W-B4-FDOT2B	005Yr-024Hr	11.72	0.00	0.00	1.66	1.66	1.66
W-B4-FDOT2B	010Yr-024Hr	16.33	0.00	-3.24	1.83	1.83	1.83
W-B4-FDOT2B	025Yr-072Hr	17.72	0.00	-2.11	1.87	1.87	1.87
W-B4-FDOT2B	100Yr-072Hr	18.86	0.00	-1.67	1.91	1.91	1.91

Weir Link: W-C1-B1

Scenario:	OPTION 3	**Bottom Clip**	

From Node:	NZA-B1
To Node:	NZA-C1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.86 ft
Control Elevation:	4.86 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	010Yr-024Hr	0.00	-0.62	0.00	0.00	0.00	0.00
W-C1-B1	025Yr-072Hr	0.00	-10.20	0.00	0.00	0.00	0.00
W-C1-B1	100Yr-072Hr	0.00	-25.61	0.00	0.00	0.00	0.00

Weir Link: W-C1-D2

Scenario:	OPTION 3
From Node:	NZA-D2
To Node:	NZA-C1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.80 ft
Control Elevation:	4.80 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	010Yr-024Hr	2.83	0.00	0.00	1.00	1.00	1.00
W-C1-D2	025Yr-072Hr	10.04	0.00	0.00	1.32	1.32	1.32
W-C1-D2	100Yr-072Hr	20.12	0.00	1.81	1.83	1.83	1.83

Weir Link: W-C2-FDOT3B

Scenario:	OPTION 3	Bottom Clip	
From Node:	FDOT-3B	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.95 ft	Discharge Coefficients	
Control Elevation:	3.95 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C2-FDOT3B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-D1-D2

Scenario:	OPTION 3	Bottom Clip	

From Node:	NZA-D2
To Node:	NZA-D1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.10 ft
Control Elevation:	4.10 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-D2	005Yr-024Hr	22.22	0.00	0.00	2.02	2.02	2.02
W-D1-D2	010Yr-024Hr	31.69	0.00	0.00	2.88	2.88	2.88
W-D1-D2	025Yr-072Hr	34.54	0.00	0.01	3.14	3.14	3.14
W-D1-D2	100Yr-072Hr	35.75	0.00	0.01	3.25	3.25	3.25

Weir Link: W-D1-E1

Scenario:	OPTION 3
From Node:	NZA-D1
To Node:	NZA-E1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.24 ft
Control Elevation:	4.24 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-E1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	005Yr-024Hr	8.47	0.00	0.00	1.45	1.45	1.45
W-D1-E1	010Yr-024Hr	17.79	0.00	0.00	1.85	1.85	1.85
W-D1-E1	025Yr-072Hr	23.22	0.00	0.01	2.11	2.11	2.11
W-D1-E1	100Yr-072Hr	26.74	0.00	0.01	2.43	2.43	2.43

Weir Link: W-D1-OUTFALL

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	OUTFALL (92nd)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	**Discharge Coefficients**	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	100Yr-072Hr	5.15	0.00	0.00	1.22	1.22	1.22

Weir Link: W-D2-D3

Scenario:	OPTION 3	**Bottom Clip**	

From Node:	NZA-D2
To Node:	NZA-D3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.18 ft
Control Elevation:	4.18 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-D3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-D3	005Yr-024Hr	0.00	-21.65	0.00	-1.97	-1.97	-1.97
W-D2-D3	010Yr-024Hr	0.00	-26.21	0.00	-2.38	-2.38	-2.38
W-D2-D3	025Yr-072Hr	0.00	-29.56	-0.01	-2.69	-2.69	-2.69
W-D2-D3	100Yr-072Hr	0.00	-36.67	0.00	-3.33	-3.33	-3.33

Weir Link: W-D2-E3

Scenario:	OPTION 3
From Node:	NZA-D2
To Node:	NZA-E3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.17 ft
Control Elevation:	4.17 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-E3	005Yr-024Hr	0.00	-6.99	0.00	-1.34	-1.34	-1.34
W-D2-E3	010Yr-024Hr	1.59	-10.64	-1.98	-1.54	-1.54	-1.54
W-D2-E3	025Yr-072Hr	2.01	-11.33	-1.76	-1.58	-1.58	-1.58
W-D2-E3	100Yr-072Hr	2.23	-10.06	-1.73	-1.48	-1.48	-1.48

Weir Link: W-D3-D4

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-D4	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.54 ft	Discharge Coefficients	
Control Elevation:	4.54 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D3-D4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D3-D4	005Yr-024Hr	19.51	0.00	0.00	1.91	1.91	1.91
W-D3-D4	010Yr-024Hr	25.46	0.00	0.00	2.31	2.31	2.31
W-D3-D4	025Yr-072Hr	28.27	0.00	0.00	2.57	2.57	2.57
W-D3-D4	100Yr-072Hr	34.03	0.00	0.00	3.09	3.09	3.09

Weir Link: W-D4-D5

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-D5	Default:	0.00 ft
To Node:	NZA-D4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.56 ft
Control Elevation:	4.56 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	005Yr-001Hr	0.62	0.00	0.00	0.00	0.00	0.00
W-D4-D5	005Yr-024Hr	14.49	0.00	0.00	1.61	1.61	1.61
W-D4-D5	010Yr-024Hr	19.27	0.00	1.51	1.80	1.80	1.80
W-D4-D5	025Yr-072Hr	21.15	0.00	1.73	1.92	1.92	1.92
W-D4-D5	100Yr-072Hr	24.09	0.00	1.59	2.19	2.19	2.19

Weir Link: W-D5-D6

Scenario:	OPTION 3
From Node:	NZA-D6
To Node:	NZA-D5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.94 ft
Control Elevation:	4.94 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D5-D6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D5-D6	005Yr-024Hr	6.46	0.00	0.00	1.32	1.32	1.32

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D5-D6	010Yr-024Hr	12.53	-0.53	2.06	1.39	1.39	1.39
W-D5-D6	025Yr-072Hr	14.56	0.00	-1.99	1.36	1.36	1.36
W-D5-D6	100Yr-072Hr	15.24	0.00	-3.40	1.55	1.55	1.55

Weir Link: W-D6-D7

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	NZA-D7	Default:	0.00 ft
To Node:	NZA-D6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.40 ft	**Discharge Coefficients**	
Control Elevation:	4.40 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	005Yr-001Hr	0.00	-4.42	0.00	0.00	0.00	0.00
W-D6-D7	005Yr-024Hr	0.00	-12.09	1.48	-1.63	-1.63	-1.63
W-D6-D7	010Yr-024Hr	2.55	-13.63	-1.46	-1.68	-1.68	-1.68
W-D6-D7	025Yr-072Hr	3.58	-5.42	-1.02	-1.24	-1.24	-1.24
W-D6-D7	100Yr-072Hr	3.80	-5.18	-1.24	-1.14	-1.14	-1.14

Weir Link: W-D7-FDOT4B

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	FDOT-4B	Default:	0.00 ft
To Node:	NZA-D7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	005Yr-024Hr	2.81	0.00	-0.05	1.00	1.00	1.00
W-D7-FDOT4B	010Yr-024Hr	4.45	0.00	-0.08	1.17	1.17	1.17
W-D7-FDOT4B	025Yr-072Hr	1.84	0.00	-0.01	0.87	0.87	0.87
W-D7-FDOT4B	100Yr-072Hr	1.29	0.00	0.00	0.77	0.77	0.77

Weir Link: W-E1-E2

Scenario:	OPTION 3
From Node:	NZA-E2
To Node:	NZA-E1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.22 ft
Control Elevation:	4.22 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-E2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	005Yr-024Hr	8.99	0.00	0.00	1.47	1.47	1.47
W-E1-E2	010Yr-024Hr	23.12	0.00	0.00	2.10	2.10	2.10
W-E1-E2	025Yr-072Hr	31.02	0.00	0.00	2.82	2.82	2.82
W-E1-E2	100Yr-072Hr	34.62	0.00	0.01	3.15	3.15	3.15

Weir Link: W-E1-F1

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	NZA-F1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.26 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-F1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	010Yr-024Hr	0.00	-1.64	0.00	0.00	0.00	0.00
W-E1-F1	025Yr-072Hr	0.97	-8.46	-0.04	-0.90	-0.90	-0.90
W-E1-F1	100Yr-072Hr	8.11	-22.47	2.00	-2.04	-2.04	-2.04

Weir Link: W-E1-OUTFALL A

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	OUTFALL (91st) - A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.68 ft
Control Elevation:	4.68 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	025Yr-072Hr	1.34	0.00	0.00	0.78	0.78	0.78
W-E1-OUTFALL A	100Yr-072Hr	12.65	0.00	0.00	1.65	1.65	1.65

Weir Link: W-E1-OUTFALL B

Scenario:	OPTION 3
From Node:	NZA-E1
To Node:	OUTFALL (91st) - B
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.68 ft
Control Elevation:	4.68 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	025Yr-072Hr	1.34	0.00	0.00	0.78	0.78	0.78
W-E1-OUTFALL B	100Yr-072Hr	12.65	0.00	0.00	1.65	1.65	1.65

Weir Link: W-E2-E3

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	NZA-E3	Default:	0.00 ft
To Node:	NZA-E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	**Discharge Coefficients**	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E2-E3	005Yr-024Hr	18.55	0.00	0.00	1.87	1.87	1.87
W-E2-E3	010Yr-024Hr	23.52	0.00	0.00	2.14	2.14	2.14
W-E2-E3	025Yr-072Hr	26.06	0.00	0.00	2.37	2.37	2.37
W-E2-E3	100Yr-072Hr	26.42	0.00	0.01	2.40	2.40	2.40

Weir Link: W-E3-E4

Scenario:	OPTION 3	**Bottom Clip**	

From Node:	NZA-E4
To Node:	NZA-E3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.38 ft
Control Elevation:	4.38 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E3-E4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E3-E4	005Yr-024Hr	19.02	0.00	0.00	1.89	1.89	1.89
W-E3-E4	010Yr-024Hr	25.80	0.00	0.00	2.35	2.35	2.35
W-E3-E4	025Yr-072Hr	26.61	0.00	0.00	2.42	2.42	2.42
W-E3-E4	100Yr-072Hr	31.40	0.00	0.01	2.85	2.85	2.85

Weir Link: W-E4-E5

Scenario:	OPTION 3
From Node:	NZA-E5
To Node:	NZA-E4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.81 ft
Control Elevation:	4.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E4-E5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	005Yr-024Hr	0.57	0.00	0.00	0.00	0.00	0.00
W-E4-E5	010Yr-024Hr	8.20	0.00	0.00	1.14	1.14	1.14
W-E4-E5	025Yr-072Hr	12.42	0.00	2.03	1.19	1.19	1.19
W-E4-E5	100Yr-072Hr	13.24	0.00	-2.05	1.22	1.22	1.22

Weir Link: W-E5-E6

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-E6	Default:	0.00 ft
To Node:	NZA-E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.50 ft	Discharge Coefficients	
Control Elevation:	4.50 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E5-E6	005Yr-024Hr	12.90	0.00	0.00	1.56	1.56	1.56
W-E5-E6	010Yr-024Hr	17.83	0.00	-1.88	1.62	1.62	1.62
W-E5-E6	025Yr-072Hr	18.22	0.00	2.03	1.66	1.66	1.66
W-E5-E6	100Yr-072Hr	18.57	0.00	2.10	1.69	1.69	1.69

Weir Link: W-E6-E7

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-E7	Default:	0.00 ft
To Node:	NZA-E6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.03 ft
Control Elevation:	4.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-001Hr	0.00	-4.21	0.01	-1.13	-1.13	-1.13
W-E6-E7	005Yr-024Hr	12.05	-3.64	-1.73	1.10	1.10	1.10
W-E6-E7	010Yr-024Hr	14.78	-3.01	-2.58	1.34	1.34	1.34
W-E6-E7	025Yr-072Hr	15.21	0.00	-3.14	1.38	1.38	1.38
W-E6-E7	100Yr-072Hr	18.15	0.00	-3.07	1.65	1.65	1.65

Weir Link: W-E7-E8

Scenario:	OPTION 3
From Node:	NZA-E8
To Node:	NZA-E7
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.36 ft
Control Elevation:	4.36 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E7-E8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E7-E8	005Yr-024Hr	11.29	-1.42	-3.07	1.30	1.30	1.30

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E7-E8	010Yr-024Hr	12.21	0.00	-2.03	1.53	1.53	1.53
W-E7-E8	025Yr-072Hr	13.37	0.00	-3.04	1.66	1.66	1.66
W-E7-E8	100Yr-072Hr	14.86	0.00	-2.04	1.40	1.40	1.40

Weir Link: W-E8-FDOT1A

Scenario:	OPTION 3	Bottom Clip	
From Node:	FDOT-1A	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.46 ft	Discharge Coefficients	
Control Elevation:	4.46 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT1A	005Yr-001Hr	0.40	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT1A	005Yr-024Hr	5.80	0.00	0.00	1.27	1.27	1.27
W-E8-FDOT1A	010Yr-024Hr	6.11	0.00	0.00	1.29	1.29	1.29
W-E8-FDOT1A	025Yr-072Hr	2.53	0.00	0.00	0.41	0.41	0.41
W-E8-FDOT1A	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-E8-FDOT5B

Scenario:	OPTION 3	Bottom Clip	
From Node:	FDOT-5B	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	

Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.46 ft
Control Elevation:	4.46 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT5B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT5B	005Yr-024Hr	6.12	0.00	-0.05	1.14	1.14	1.14
W-E8-FDOT5B	010Yr-024Hr	8.86	0.00	-2.01	1.29	1.29	1.29
W-E8-FDOT5B	025Yr-072Hr	9.51	0.00	-3.08	1.33	1.33	1.33
W-E8-FDOT5B	100Yr-072Hr	11.52	0.00	-3.10	1.18	1.18	1.18

Weir Link: W-F1-F2

Scenario:	OPTION 3
From Node:	NZA-F1
To Node:	NZA-F2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.23 ft
Control Elevation:	4.23 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-F2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	010Yr-024Hr	0.00	-2.84	0.00	-1.00	-1.00	-1.00
W-F1-F2	025Yr-072Hr	4.32	-12.77	2.08	-1.48	-1.48	-1.48
W-F1-F2	100Yr-072Hr	6.21	-19.65	2.07	-1.87	-1.87	-1.87

Weir Link: W-F1-G1

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.28 ft	Discharge Coefficients	
Control Elevation:	4.28 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-G1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	010Yr-024Hr	0.93	0.00	0.00	0.68	0.68	0.68
W-F1-G1	025Yr-072Hr	8.41	-0.89	-0.03	0.98	0.98	0.98
W-F1-G1	100Yr-072Hr	8.98	-3.07	-1.78	0.97	0.97	0.97

Weir Link: W-F2-F3

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.24 ft	Ref Node:	
Control Elevation:	4.24 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-F3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-F3	005Yr-024Hr	4.01	0.00	0.00	1.13	1.13	1.13
W-F2-F3	010Yr-024Hr	13.21	0.00	0.00	1.68	1.68	1.68
W-F2-F3	025Yr-072Hr	22.36	0.00	0.00	2.03	2.03	2.03
W-F2-F3	100Yr-072Hr	28.50	0.00	-1.13	2.59	2.59	2.59

Weir Link: W-F2-G2

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-F2	Default:	0.00 ft
To Node:	NZA-G2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.01 ft	Discharge Coefficients	
Control Elevation:	4.01 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-G2	005Yr-024Hr	4.30	0.00	0.00	1.15	1.15	1.15
W-F2-G2	010Yr-024Hr	12.67	0.00	0.00	1.65	1.65	1.65
W-F2-G2	025Yr-072Hr	18.51	0.00	1.94	1.88	1.88	1.88
W-F2-G2	100Yr-072Hr	23.76	0.00	-1.35	2.16	2.16	2.16

Weir Link: W-F3-F4

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Gravel Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F3-F4	005Yr-024Hr	0.00	-1.91	0.00	0.00	0.00	0.00
W-F3-F4	010Yr-024Hr	0.00	-9.89	0.00	0.00	0.00	0.00
W-F3-F4	025Yr-072Hr	0.00	-17.27	0.00	-1.83	-1.83	-1.83
W-F3-F4	100Yr-072Hr	0.00	-26.62	0.00	-2.42	-2.42	-2.42

Weir Link: W-F4-F5

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-F5	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	5.03 ft
Control Elevation:	5.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	010Yr-024Hr	5.13	0.00	0.00	1.22	1.22	1.22
W-F4-F5	025Yr-072Hr	13.43	0.00	0.00	1.69	1.69	1.69
W-F4-F5	100Yr-072Hr	23.15	0.00	0.00	2.10	2.10	2.10

Weir Link: W-F4-G4

Scenario:	OPTION 3
From Node:	NZA-F4
To Node:	NZA-G4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.05 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	010Yr-024Hr	0.12	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-G4	025Yr-072Hr	3.29	0.00	0.00	1.05	1.05	1.05
W-F4-G4	100Yr-072Hr	8.21	0.00	-1.91	1.15	1.15	1.15

Weir Link: W-F5-F6

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-F6	Default:	0.00 ft
To Node:	NZA-F5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.81 ft	Discharge Coefficients	
Control Elevation:	4.81 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F5-F6	005Yr-024Hr	0.57	-1.85	0.00	-0.78	-0.78	-0.78
W-F5-F6	010Yr-024Hr	4.55	-2.12	-0.01	1.16	1.16	1.16
W-F5-F6	025Yr-072Hr	7.27	-1.97	-1.65	-0.74	-0.74	-0.74
W-F5-F6	100Yr-072Hr	13.46	-4.32	-1.72	1.22	1.22	1.22

Weir Link: W-F6-F7

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-F7	Default:	0.00 ft
To Node:	NZA-F6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.63 ft	Discharge Coefficients	

Control Elevation:	4.63 ft		
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F6-F7	005Yr-024Hr	4.00	-4.97	-0.01	1.12	1.12	1.12
W-F6-F7	010Yr-024Hr	8.60	-6.51	1.53	1.43	1.43	1.43
W-F6-F7	025Yr-072Hr	2.26	-6.22	1.43	-0.92	-0.92	-0.92
W-F6-F7	100Yr-072Hr	7.73	-9.14	1.32	-1.07	-1.07	-1.07

Weir Link: W-F7-F8

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-F7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.60 ft	Discharge Coefficients	
Control Elevation:	4.60 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F7-F8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F7-F8	005Yr-024Hr	1.33	-7.62	0.00	-1.29	-1.29	-1.29
W-F7-F8	010Yr-024Hr	5.57	-10.51	2.07	-1.27	-1.27	-1.27
W-F7-F8	025Yr-072Hr	0.23	-10.02	2.02	-1.25	-1.25	-1.25
W-F7-F8	100Yr-072Hr	1.78	-14.57	1.98	-1.68	-1.68	-1.68

Weir Link: W-F8-F9			
Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-F9	Default:	0.00 ft
To Node:	NZA-F8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.75 ft	Discharge Coefficients	
Control Elevation:	4.75 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-F9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F8-F9	005Yr-024Hr	3.11	0.00	0.00	0.99	0.99	0.99
W-F8-F9	010Yr-024Hr	6.08	0.00	0.03	1.24	1.24	1.24
W-F8-F9	025Yr-072Hr	10.37	0.00	-2.05	1.26	1.26	1.26
W-F8-F9	100Yr-072Hr	12.33	0.00	-2.09	1.18	1.18	1.18

Weir Link: W-F8-G8			
Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	0.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-G8	005Yr-001Hr	5.52	-0.01	0.04	0.50	0.50	0.50
W-F8-G8	005Yr-024Hr	9.21	-0.01	0.07	0.84	0.84	0.84
W-F8-G8	010Yr-024Hr	11.73	-0.01	0.05	1.07	1.07	1.07
W-F8-G8	025Yr-072Hr	12.67	-0.02	-0.06	1.15	1.15	1.15
W-F8-G8	100Yr-072Hr	13.28	-0.01	0.05	1.21	1.21	1.21

Weir Link: W-F9-FDOT2A

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	FDOT-2A	Default:	0.00 ft
To Node:	NZA-F9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	**Discharge Coefficients**	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F9-FDOT2A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2A	005Yr-024Hr	0.84	0.00	0.00	0.66	0.66	0.66
W-F9-FDOT2A	010Yr-024Hr	3.33	0.00	0.00	1.04	1.04	1.04
W-F9-FDOT2A	025Yr-072Hr	4.20	0.00	0.00	1.12	1.12	1.12
W-F9-FDOT2A	100Yr-072Hr	2.13	0.00	-0.01	0.87	0.87	0.87

Weir Link: W-G1-G2

Scenario:	OPTION 3
From Node:	NZA-G2
To Node:	NZA-G1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.36 ft
Control Elevation:	4.36 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G1-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	025Yr-072Hr	2.36	-10.62	-0.01	-1.47	-1.47	-1.47
W-G1-G2	100Yr-072Hr	6.08	-11.24	2.84	-1.52	-1.52	-1.52

Weir Link: W-G2-G3

Scenario:	OPTION 3
From Node:	NZA-G2
To Node:	NZA-G3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.13 ft
Control Elevation:	4.13 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-G3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	010Yr-024Hr	0.00	-10.44	0.00	0.00	0.00	0.00
W-G2-G3	025Yr-072Hr	0.00	-23.82	0.49	-2.17	-2.17	-2.17
W-G2-G3	100Yr-072Hr	0.00	-29.96	1.16	-2.72	-2.72	-2.72

Weir Link: W-G2-I1

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-I1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.29 ft	Discharge Coefficients	
Control Elevation:	4.29 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-I1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	025Yr-072Hr	18.75	0.00	0.00	1.88	1.88	1.88
W-G2-I1	100Yr-072Hr	21.66	0.00	-1.78	1.97	1.97	1.97

Weir Link: W-G2-OUTFALL

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	OUTFALL (89th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	5.00 ft	Ref Node:	
Control Elevation:	5.00 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	100Yr-072Hr	5.86	0.00	0.00	1.28	1.28	1.28

Weir Link: W-G3-G4

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-G3	Default:	0.00 ft
To Node:	NZA-G4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.73 ft	Discharge Coefficients	
Control Elevation:	4.73 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G3-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	010Yr-024Hr	0.00	-5.81	0.00	0.00	0.00	0.00
W-G3-G4	025Yr-072Hr	0.00	-19.10	0.00	-1.90	-1.90	-1.90
W-G3-G4	100Yr-072Hr	0.00	-29.28	0.00	-2.66	-2.66	-2.66

Weir Link: W-G4-G5

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-G4	Default:	0.00 ft
To Node:	NZA-G5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.84 ft	Discharge Coefficients	
Control Elevation:	4.84 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G4-G5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	005Yr-024Hr	0.00	-0.58	0.00	0.00	0.00	0.00
W-G4-G5	010Yr-024Hr	0.00	-9.14	0.00	-1.48	-1.48	-1.48
W-G4-G5	025Yr-072Hr	0.00	-17.18	0.00	-1.82	-1.82	-1.82
W-G4-G5	100Yr-072Hr	0.00	-20.82	0.98	-1.89	-1.89	-1.89

Weir Link: W-G5-G6

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.48 ft	Ref Node:	
Control Elevation:	4.48 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G5-G6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G5-G6	005Yr-024Hr	5.47	0.00	0.00	1.14	1.14	1.14
W-G5-G6	010Yr-024Hr	8.06	0.00	-1.77	1.14	1.14	1.14
W-G5-G6	025Yr-072Hr	13.57	0.00	-2.54	1.23	1.23	1.23
W-G5-G6	100Yr-072Hr	13.81	0.00	-1.68	1.41	1.41	1.41

Weir Link: W-G6-G8

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.55 ft	Discharge Coefficients	
Control Elevation:	4.55 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G6-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G6-G8	005Yr-024Hr	0.00	-3.19	0.00	-0.89	-0.89	-0.89
W-G6-G8	010Yr-024Hr	1.14	-4.85	2.12	-1.04	-1.04	-1.04
W-G6-G8	025Yr-072Hr	0.00	-9.03	1.48	-1.08	-1.08	-1.08
W-G6-G8	100Yr-072Hr	0.00	-9.00	2.23	-1.32	-1.32	-1.32

Weir Link: W-G7-G8

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-G7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.44 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G7-G8	005Yr-024Hr	6.01	-0.22	0.00	1.29	1.29	1.29
W-G7-G8	010Yr-024Hr	7.58	-1.13	1.96	1.39	1.39	1.39
W-G7-G8	025Yr-072Hr	7.65	-2.94	0.96	1.40	1.40	1.40
W-G7-G8	100Yr-072Hr	6.02	-6.23	-1.86	1.29	1.29	1.29

Weir Link: W-G8-G9

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-G8	Default:	0.00 ft
To Node:	NZA-G9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	4.63 ft
Control Elevation:	4.63 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-G9	005Yr-024Hr	0.00	-4.57	0.00	-1.17	-1.17	-1.17
W-G8-G9	010Yr-024Hr	0.00	-8.28	-1.78	-1.42	-1.42	-1.42
W-G8-G9	025Yr-072Hr	0.00	-9.60	1.89	-1.48	-1.48	-1.48
W-G8-G9	100Yr-072Hr	0.00	-8.52	1.66	-1.40	-1.40	-1.40

Weir Link: W-G8-I7

Scenario:	OPTION 3
From Node:	NZA-I7
To Node:	NZA-G8
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.70 ft
Control Elevation:	4.70 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-I7	005Yr-024Hr	0.00	-5.05	0.00	0.00	0.00	0.00
W-G8-I7	010Yr-024Hr	0.00	-18.10	0.00	-1.84	-1.84	-1.84

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-I7	025Yr-072Hr	0.00	-21.70	1.04	-1.97	-1.97	-1.97
W-G8-I7	100Yr-072Hr	0.00	-22.16	1.58	-2.01	-2.01	-2.01

Weir Link: W-G9-FDOT3A

Scenario:	OPTION 3	Bottom Clip	
From Node:	FDOT-3A	Default:	0.00 ft
To Node:	NZA-G9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.31 ft	Discharge Coefficients	
Control Elevation:	4.31 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G9-FDOT3A	005Yr-001Hr	1.60	0.00	0.00	0.45	0.45	0.45
W-G9-FDOT3A	005Yr-024Hr	4.44	0.00	2.45	0.79	0.79	0.79
W-G9-FDOT3A	010Yr-024Hr	3.47	0.00	0.98	0.80	0.80	0.80
W-G9-FDOT3A	025Yr-072Hr	3.77	0.00	0.77	0.91	0.91	0.91
W-G9-FDOT3A	100Yr-072Hr	3.00	0.00	0.48	0.99	0.99	0.99

Weir Link: W-I1-I2

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-I2	Default:	0.00 ft
To Node:	NZA-I1	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.03 ft
Control Elevation:	4.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-I2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-I2	005Yr-024Hr	8.01	0.00	0.00	1.42	1.42	1.42
W-I1-I2	010Yr-024Hr	14.41	0.00	0.00	1.73	1.73	1.73
W-I1-I2	025Yr-072Hr	19.46	0.00	-2.02	1.91	1.91	1.91
W-I1-I2	100Yr-072Hr	28.63	0.00	-3.10	2.60	2.60	2.60

Weir Link: W-I1-OUTFALL

Scenario:	OPTION 3
From Node:	NZA-I1
To Node:	OUTFALL (88th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	5.00 ft
Control Elevation:	5.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	100Yr-072Hr	3.71	0.00	0.00	1.10	1.10	1.10

Weir Link: W-I2-I3

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	NZA-I2	Default:	0.00 ft
To Node:	NZA-I3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.55 ft	**Discharge Coefficients**	
Control Elevation:	4.55 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I2-I3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I2-I3	005Yr-024Hr	0.00	-6.87	0.00	0.00	0.00	0.00
W-I2-I3	010Yr-024Hr	0.00	-11.16	0.00	0.00	0.00	0.00
W-I2-I3	025Yr-072Hr	0.00	-14.43	0.00	-1.64	-1.64	-1.64
W-I2-I3	100Yr-072Hr	0.00	-21.97	1.44	-2.00	-2.00	-2.00

Weir Link: W-I3-I4

Scenario:	OPTION 3	**Bottom Clip**	

From Node:	NZA-I3		
To Node:	NZA-I4	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.56 ft	Ref Node:	
Control Elevation:	4.56 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I3-I4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I3-I4	005Yr-024Hr	0.09	-3.20	0.00	-0.65	-0.65	-0.65
W-I3-I4	010Yr-024Hr	0.09	-5.27	0.00	-0.76	-0.76	-0.76
W-I3-I4	025Yr-072Hr	0.12	-8.23	0.00	-1.08	-1.08	-1.08
W-I3-I4	100Yr-072Hr	0.14	-13.85	2.03	-1.26	-1.26	-1.26

Weir Link: W-I4-I5

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-I5	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.86 ft	Discharge Coefficients	
Control Elevation:	4.86 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I4-I5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	010Yr-024Hr	0.25	-0.02	0.00	0.00	0.00	0.00
W-I4-I5	025Yr-072Hr	4.30	-0.56	0.00	1.15	1.15	1.15
W-I4-I5	100Yr-072Hr	9.74	-0.60	2.09	1.43	1.43	1.43

Weir Link: W-I5-I6

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.70 ft	Discharge Coefficients	
Control Elevation:	4.70 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I5-I6	005Yr-024Hr	0.00	-1.68	0.00	0.00	0.00	0.00
W-I5-I6	010Yr-024Hr	0.00	-4.54	0.00	-1.07	-1.07	-1.07
W-I5-I6	025Yr-072Hr	1.17	-6.94	0.01	-1.33	-1.33	-1.33
W-I5-I6	100Yr-072Hr	5.09	-11.65	-1.40	-1.61	-1.61	-1.61

Weir Link: W-I6-I7

Scenario:	OPTION 3	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	11.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-I7	005Yr-024Hr	0.00	-2.75	0.00	0.00	0.00	0.00
W-I6-I7	010Yr-024Hr	0.00	-13.46	0.00	-2.45	-2.45	-2.45
W-I6-I7	025Yr-072Hr	0.00	-16.38	0.00	-2.98	-2.98	-2.98
W-I6-I7	100Yr-072Hr	0.00	-18.00	-0.01	-3.27	-3.27	-3.27

Weir Link: W-I6-OUTFALL

Scenario:	OPTION 3
From Node:	NZA-I6
To Node:	OUTFALL (CARLYLE)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	7.30 ft
Control Elevation:	7.30 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-I7-I8

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-I8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.58 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I7-I8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I7-I8	005Yr-024Hr	0.00	-6.04	0.00	-1.29	-1.29	-1.29
W-I7-I8	010Yr-024Hr	0.00	-12.60	-1.88	-1.65	-1.65	-1.65
W-I7-I8	025Yr-072Hr	0.00	-15.76	2.28	-1.77	-1.77	-1.77
W-I7-I8	100Yr-072Hr	0.00	-18.45	-2.06	-1.86	-1.86	-1.86

Weir Link: W-I8-FDOT4A

Scenario:	OPTION 3	**Bottom Clip**	
From Node:	FDOT-4A	Default:	0.00 ft
To Node:	NZA-I8	Op Table:	

Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	3.87 ft
Control Elevation:	3.87 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 3]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I8-FDOT4A	005Yr-001Hr	3.68	0.00	1.91	0.80	0.80	0.80
W-I8-FDOT4A	005Yr-024Hr	4.93	0.00	1.36	1.17	1.17	1.17
W-I8-FDOT4A	010Yr-024Hr	7.37	0.00	2.60	1.18	1.18	1.18
W-I8-FDOT4A	025Yr-072Hr	8.34	0.00	1.67	1.16	1.16	1.16
W-I8-FDOT4A	100Yr-072Hr	8.99	0.00	2.00	1.16	1.16	1.16

Rating Curve: RC-0001

Scenario: OPTION 3
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	39.60
9.90	39.60

Comment: Surfside Drainage Wells:
DW 1: 620 GPM/FT
DW 2: 800 GPM/FT
DW 3: 800 GPM/FT

Rating Curve: RC-0002

Scenario: OPTION 3
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	33.00

Upstream Stage [ft]	Discharge [cfs]
9.90	33.00

Comment: Surfside Drainage Wells:
DW 4: 500 GPM/FT
DW 5: 800 GPM/FT
DW 6: 550 GPM/FT

Rating Curve: RC-0003

Scenario: OPTION 3
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	27.67
9.90	27.67

Comment: Surfside Drainage Wells:
DW 7: 500 GPM/FT
DW 8: 400 GPM/FT
DW 9: 650 GPM/FT

Rating Curve: RC-0004

Scenario: OPTION 3
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	14.20
8.00	14.20

Comment: Existing Surfside Pump Station (92nd)

Rating Curve: RC-0005

Scenario: OPTION 3
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	42.88
9.90	42.88

Comment: FDOT Drainage Wells:
600 GPM/FT

Appendix M – Scenario Four

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #4

SHEET NUMBER CP-110

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 8:40:28 AM

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

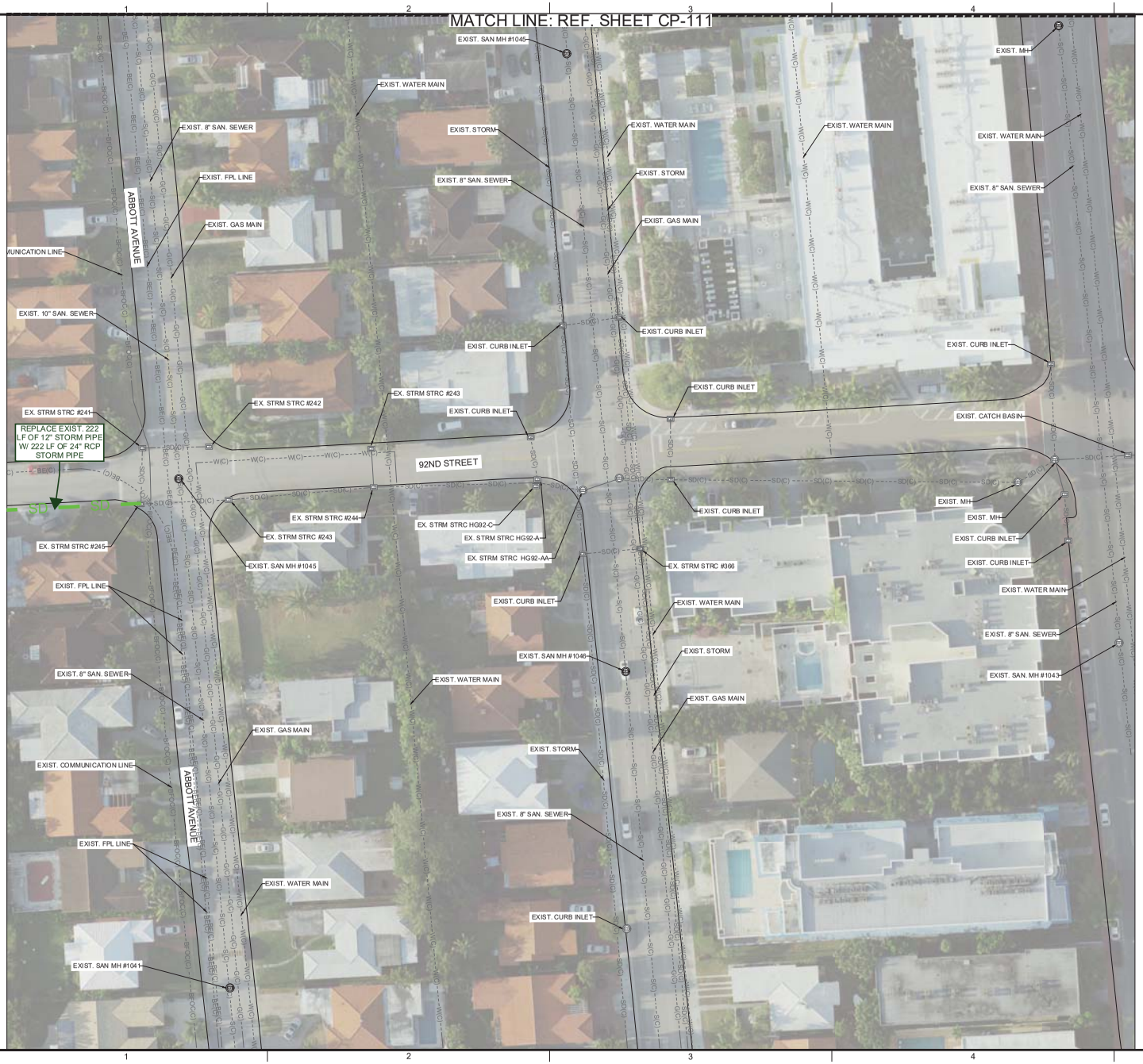
SCENARIO #4

SHEET NUMBER CP-111

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 8:40:28 AM



N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #4

SHEET NUMBER CP-112

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcollorna On Wednesday, September 23, 2020 8:40:28 AM

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
Project: Abbott Avenue Drainage Improvements
Project No. 11494.00

Scenario 4

92nd STREET IMPROVEMENTS

Updated 6/8/21

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT
	Construction Costs				
1	Mobilization	1	LS	$10,000.00	$10,000.00
2	Maintenance of Traffic	1	LS	$10,000.00	$10,000.00
3	24" RCP Drainage Pipe (Non. Perf.)	1,517	LF	$108.00	$163,836.00
4	Remove Existing Drainage Structure	17	EA	$2,206.74	$37,514.58
5	Drainage Manhole	17	EA	$7,923.77	$134,704.09
6	Pavement Restoration	1,400	SY	$54.00	$75,600.00
7	Restore/Restripe Pavement Markings	1	LS	$10,000.00	$10,000.00
8	Contingency (30%)	1	LS	$132,496.40	$132,496.40
				Subtotal	**$574,151.07**
	Additional Services				
1	Survey, Subsurface Utility Exploration (SUE) & Design Testing	1	LS	4.0%	$22,966.04
2	Professional Design Services & Permitting	1	LS	10.0%	$57,415.11
3	Construction Administration Services	1	LS	6.0%	$34,449.06
				Subtotal	**$114,830.21**
				TOTAL OPININION OF PROBABLE COST	**$688,981.29**

NOTES:

1 The quantities and unit prices are obtained from various sources (including contract bids for similar projects).
2 The unit prices are based on current construction costs (as of 6/12/21)
3 The locations and sizes of the existing utilities are based on best available information and cannot be guaranteed for their accuracy.
4 No utility coordination and/or relocation included in this estimate.
5 The quantities are based on the Proposed Exhibit (Scenerio 4)

Background Image: NETWORK DIAGRAM

---Unable to Generate Chart---

Simulation: 005Yr-001Hr

Scenario: OPTION 4
Run Date/Time: 6/13/2021 5:17:39 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.20 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 005Yr-024Hr

Scenario: OPTION 4
Run Date/Time: 6/13/2021 5:18:01 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	6.50 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 010Yr-024Hr

Scenario: OPTION 4
Run Date/Time: 6/13/2021 5:21:10 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~SCSIII-24
Rainfall Amount: 8.52 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 025Yr-072Hr

Scenario: OPTION 4
Run Date/Time: 6/13/2021 5:24:16 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.10 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100Yr-072Hr

Scenario: OPTION 4
Run Date/Time: 6/13/2021 5:31:49 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	17.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simple Basin: A1

Scenario:	OPTION 4
Node:	NZA-A1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7600 ac
Curve Number:	85.0

% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A2

Scenario:	OPTION 4
Node:	NZA-A2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A3

Scenario:	OPTION 4
Node:	NZA-A3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A4

Scenario:	OPTION 4
Node:	NZA-A4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA1

Scenario:	OPTION 4
Node:	NZA-AA1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA2

Scenario:	OPTION 4
Node:	NZA-AA2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA3

Scenario:	OPTION 4
Node:	NZA-AA3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA4

Scenario:	OPTION 4
Node:	NZA-AA4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA5

Scenario:	OPTION 4
Node:	NZA-AA5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B1

Scenario:	OPTION 4
Node:	NZA-B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B2

Scenario:	OPTION 4
Node:	NZA-B2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B3

Scenario:	OPTION 4
Node:	NZA-B3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B4

Scenario:	OPTION 4
Node:	NZA-B4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C1

Scenario:	OPTION 4
Node:	NZA-C1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C2

Scenario:	OPTION 4
Node:	NZA-C2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D1

Scenario:	OPTION 4
Node:	NZA-D1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D2

Scenario:	OPTION 4
Node:	NZA-D2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D3

Scenario:	OPTION 4
Node:	NZA-D3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D4

Scenario:	OPTION 4
Node:	NZA-D4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D5

Scenario:	OPTION 4
Node:	NZA-D5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.8200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D6

Scenario:	OPTION 4
Node:	NZA-D6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	9.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D7

Scenario:	OPTION 4
Node:	NZA-D7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E1

Scenario:	OPTION 4
Node:	NZA-E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E2

Scenario:	OPTION 4
Node:	NZA-E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E3

Scenario:	OPTION 4
Node:	NZA-E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E4

Scenario:	OPTION 4
Node:	NZA-E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E5

Scenario:	OPTION 4
Node:	NZA-E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E6

Scenario:	OPTION 4
Node:	NZA-E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E7

Scenario:	OPTION 4
Node:	NZA-E7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E8

Scenario:	OPTION 4
Node:	NZA-E8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F1

Scenario:	OPTION 4
Node:	NZA-F1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F2

Scenario:	OPTION 4
Node:	NZA-F2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F3

Scenario:	OPTION 4
Node:	NZA-F3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F4

Scenario:	OPTION 4
Node:	NZA-F4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F5

Scenario:	OPTION 4
Node:	NZA-F5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F6

Scenario:	OPTION 4
Node:	NZA-F6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F7

Scenario:	OPTION 4
Node:	NZA-F7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F8

Scenario:	OPTION 4
Node:	NZA-F8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F9

Scenario:	OPTION 4
Node:	NZA-F9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1A

Scenario:	OPTION 4
Node:	FDOT-1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1B

Scenario:	OPTION 4
Node:	FDOT-1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2A

Scenario:	OPTION 4
Node:	FDOT-2A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2B

Scenario:	OPTION 4
Node:	FDOT-2B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3A

Scenario:	OPTION 4
Node:	FDOT-3A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.5900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3B

Scenario:	OPTION 4
Node:	FDOT-3B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4A

Scenario:	OPTION 4
Node:	FDOT-4A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.3400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4B

Scenario:	OPTION 4
Node:	FDOT-4B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-5B

Scenario:	OPTION 4
Node:	FDOT-5B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G1

Scenario:	OPTION 4
Node:	NZA-G1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G2

Scenario:	OPTION 4
Node:	NZA-G2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G3

Scenario:	OPTION 4
Node:	NZA-G3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G4

Scenario:	OPTION 4
Node:	NZA-G4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G5

Scenario:	OPTION 4
Node:	NZA-G5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G6

Scenario:	OPTION 4
Node:	NZA-G6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G7

Scenario:	OPTION 4
Node:	NZA-G7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G8

Scenario:	OPTION 4
Node:	NZA-G8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G9

Scenario:	OPTION 4
Node:	NZA-G9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I1

Scenario:	OPTION 4
Node:	NZA-I1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I2

Scenario:	OPTION 4
Node:	NZA-I2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I3

Scenario:	OPTION 4
Node:	NZA-I3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I4

Scenario:	OPTION 4
Node:	NZA-I4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I5

Scenario:	OPTION 4
Node:	NZA-I5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I6

Scenario:	OPTION 4
Node:	NZA-I6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I7

Scenario:	OPTION 4
Node:	NZA-I7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: I8

Scenario: OPTION 4
Node: NZA-I8
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.9500 ac
Curve Number: 85.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: AQUIFER (89th)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (89th)	005Yr-001Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	005Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	010Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	025Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	100Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0

Node: AQUIFER (94th)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (94th)	005Yr-001Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	005Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	010Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	025Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	100Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0

Node: AQUIFER (CARLYLE)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0

Node: FDOT AQUIFER (94TH)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT AQUIFER (CARLYLE)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment: FDOT AQUIFER

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)							
FDOT AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT OUTFALL (94th)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT OUTFALL (CARLYLE)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT-1A

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6200	27007

Stage [ft]	Area [ac]	Area [ft2]
8.00	1.8900	82328

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-001Hr	4.86	4.49	0.0028	3.50	3.37	7171
FDOT-1A	005Yr-024Hr	4.86	4.87	0.0028	7.14	5.44	27132
FDOT-1A	010Yr-024Hr	4.86	5.16	0.0028	9.10	5.46	32324
FDOT-1A	025Yr-072Hr	4.86	5.41	0.0028	8.46	3.86	36715
FDOT-1A	100Yr-072Hr	4.86	5.83	0.0028	12.75	5.29	44184

Node: FDOT-1B

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.72	0.0001	4
5.22	0.4700	20473
8.00	0.8300	36155

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1B	005Yr-001Hr	5.22	4.50	0.0016	10.19	10.16	266
FDOT-1B	005Yr-024Hr	5.22	4.56	0.0016	12.75	12.75	267
FDOT-1B	010Yr-024Hr	5.22	5.08	-0.0019	17.38	17.33	14754
FDOT-1B	025Yr-072Hr	5.22	5.48	-0.0026	20.83	18.72	21963
FDOT-1B	100Yr-072Hr	5.22	5.85	0.0021	28.40	19.85	24041

Node: FDOT-2A

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.44	0.0001	4
3.94	0.5100	22216
8.00	1.5000	65340

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2A	005Yr-001Hr	3.91	4.48	0.0077	13.44	3.44	27986
FDOT-2A	005Yr-024Hr	3.91	4.85	0.0077	12.34	8.48	31879
FDOT-2A	010Yr-024Hr	3.91	5.14	0.0077	16.59	11.21	34991
FDOT-2A	025Yr-072Hr	3.91	5.38	0.0077	20.42	13.66	37524
FDOT-2A	100Yr-072Hr	3.91	5.78	0.0077	27.64	15.15	41822

Node: FDOT-2B

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.21 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.71	0.0001	4
5.21	0.6200	27007
8.00	1.2300	53579

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2B	005Yr-001Hr	5.21	2.51	0.0176	38.27	31.78	196
FDOT-2B	005Yr-024Hr	5.21	2.86	0.0176	39.66	39.65	196
FDOT-2B	010Yr-024Hr	5.21	3.74	0.0176	47.95	47.89	196
FDOT-2B	025Yr-072Hr	5.21	4.29	0.0176	50.72	50.61	196
FDOT-2B	100Yr-072Hr	5.21	4.90	0.0176	53.60	53.41	10428

Node: FDOT-3A

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.38	0.0001	4
4.88	0.5500	23958
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3A	005Yr-001Hr	4.88	4.48	0.0225	28.26	9.60	4656
FDOT-3A	005Yr-024Hr	4.88	4.82	0.0225	28.26	14.75	21183
FDOT-3A	010Yr-024Hr	4.88	5.11	0.0225	28.26	14.92	26548
FDOT-3A	025Yr-072Hr	4.88	5.33	0.0225	28.26	16.05	29000
FDOT-3A	100Yr-072Hr	4.88	5.69	0.0225	28.26	22.52	32975

Node: FDOT-3B

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.40 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.99	0.0001	4
4.40	0.6200	27007
8.00	2.7300	118919

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3B	005Yr-001Hr	4.40	2.54	0.0098	9.82	7.25	100
FDOT-3B	005Yr-024Hr	4.40	2.90	0.0098	9.82	8.53	100
FDOT-3B	010Yr-024Hr	4.40	3.79	0.0098	11.85	11.79	100
FDOT-3B	025Yr-072Hr	4.40	4.35	0.0098	14.48	14.25	23550
FDOT-3B	100Yr-072Hr	4.40	4.97	0.0098	19.74	16.10	41623

Node: FDOT-4A

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.81	0.0001	4
4.31	0.3100	13504
8.00	1.2000	52272

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4A	005Yr-001Hr	4.18	4.47	-0.0275	12.69	28.26	15648
FDOT-4A	005Yr-024Hr	4.18	4.79	-0.0275	14.64	28.26	19077
FDOT-4A	010Yr-024Hr	4.18	5.08	-0.0275	21.41	28.26	22019
FDOT-4A	025Yr-072Hr	4.18	5.27	-0.0275	25.78	28.26	24040
FDOT-4A	100Yr-072Hr	4.18	5.57	-0.0275	32.85	29.67	27129

Node: FDOT-4B

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.40	0.0001	4
3.90	0.6300	27443
8.00	1.7500	76230

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4B	005Yr-001Hr	3.90	4.13	0.0008	10.65	0.31	30151
FDOT-4B	005Yr-024Hr	3.90	4.95	0.0002	9.95	3.92	39961
FDOT-4B	010Yr-024Hr	3.90	5.30	0.0002	12.27	5.56	44085
FDOT-4B	025Yr-072Hr	3.90	5.61	0.0002	15.00	5.12	47815
FDOT-4B	100Yr-072Hr	3.90	6.17	0.0002	20.45	5.80	54509

Node: FDOT-5B

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6600	28750
8.00	2.2300	97139

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-5B	005Yr-001Hr	4.86	4.14	0.0008	3.35	3.31	100
FDOT-5B	005Yr-024Hr	4.86	4.94	0.0002	6.56	6.42	30426
FDOT-5B	010Yr-024Hr	4.86	5.28	0.0002	9.43	9.47	37884
FDOT-5B	025Yr-072Hr	4.86	5.59	0.0002	9.47	9.89	44639
FDOT-5B	100Yr-072Hr	4.86	6.14	0.0002	13.46	10.54	56744

Node: NZA-A1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.60 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.10	0.0001	4
3.60	0.5200	22651
8.00	1.3600	59242

Comment: As-built Structure D-195

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A1	005Yr-001Hr	3.60	3.18	0.0009	10.76	10.63	3624
NZA-A1	005Yr-024Hr	3.60	3.76	-0.0026	16.89	14.99	23965
NZA-A1	010Yr-024Hr	3.60	4.19	-0.0029	28.66	27.58	27606
NZA-A1	025Yr-072Hr	3.60	4.35	-0.0034	38.86	37.79	28913
NZA-A1	100Yr-072Hr	3.60	4.69	-0.0023	54.37	52.65	31696

Node: NZA-A2

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4800	20909
8.00	1.6200	70567

Comment: AS-BUILT INLET CA-95

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A2	005Yr-001Hr	4.24	4.27	0.0007	9.92	4.80	21315
NZA-A2	005Yr-024Hr	4.24	4.87	0.0007	13.80	12.70	29224
NZA-A2	010Yr-024Hr	4.24	5.04	0.0007	23.37	21.31	31491
NZA-A2	025Yr-072Hr	4.24	5.15	0.0007	30.88	28.98	32881
NZA-A2	100Yr-072Hr	4.24	5.43	0.0007	44.95	43.50	36598

Node: NZA-A3

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.95	0.0001	4
4.45	0.6200	27007
8.00	2.2100	96268

Comment: AS-BUILT STRUCTURE BY95

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A3	005Yr-001Hr	4.45	4.53	0.0007	10.45	3.15	28562
NZA-A3	005Yr-024Hr	4.45	4.95	-0.0007	12.57	8.02	36770
NZA-A3	010Yr-024Hr	4.45	5.08	-0.0006	17.47	12.92	39217
NZA-A3	025Yr-072Hr	4.45	5.18	-0.0006	21.94	17.48	41248
NZA-A3	100Yr-072Hr	4.45	5.74	-0.0006	38.07	32.12	52246

Node: NZA-A4

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.6400	27878
8.00	2.2900	99752

Comment: As-built Structrure AB95

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A4	005Yr-001Hr	4.80	4.50	0.0007	14.98	14.35	11352
NZA-A4	005Yr-024Hr	4.80	5.09	-0.0007	12.19	10.83	34337
NZA-A4	010Yr-024Hr	4.80	5.22	-0.0007	16.68	9.63	37305
NZA-A4	025Yr-072Hr	4.80	5.48	-0.0007	23.94	16.23	43083
NZA-A4	100Yr-072Hr	4.80	5.83	-0.0007	36.49	24.19	51026

Node: NZA-AA1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1000	4356
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA1	005Yr-001Hr	4.00	3.09	0.0010	11.20	11.20	308
NZA-AA1	005Yr-024Hr	4.00	3.21	0.0010	13.27	13.26	308
NZA-AA1	010Yr-024Hr	4.00	3.45	0.0010	17.53	17.53	308
NZA-AA1	025Yr-072Hr	4.00	3.58	0.0010	20.04	20.04	995
NZA-AA1	100Yr-072Hr	4.00	3.79	0.0010	24.39	24.36	2809

Node: NZA-AA2

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.0900	3920
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA2	005Yr-001Hr	4.00	3.17	0.0010	9.05	9.04	381
NZA-AA2	005Yr-024Hr	4.00	3.30	0.0010	10.67	10.66	381
NZA-AA2	010Yr-024Hr	4.00	3.55	0.0010	14.02	14.03	767
NZA-AA2	025Yr-072Hr	4.00	3.69	0.0010	15.98	16.02	1822
NZA-AA2	100Yr-072Hr	4.00	3.91	0.0010	19.35	19.43	3548

Node: NZA-AA3

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.5200	22651
8.00	1.0800	47045

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA3	005Yr-001Hr	4.00	3.22	0.0026	7.06	7.02	327
NZA-AA3	005Yr-024Hr	4.00	3.35	0.0026	8.26	8.23	328
NZA-AA3	010Yr-024Hr	4.00	3.61	0.0026	10.84	10.81	4970
NZA-AA3	025Yr-072Hr	4.00	3.75	0.0026	12.62	12.41	11323
NZA-AA3	100Yr-072Hr	4.00	3.98	0.0026	15.98	15.10	21822

Node: NZA-AA4

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1300	5663
8.00	0.7900	34412

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA4	005Yr-001Hr	4.00	3.22	0.0044	18.47	6.17	375
NZA-AA4	005Yr-024Hr	4.00	3.36	0.0044	18.47	6.17	375
NZA-AA4	010Yr-024Hr	4.00	3.62	0.0044	18.47	7.79	1537
NZA-AA4	025Yr-072Hr	4.00	3.76	0.0044	18.47	8.91	3165
NZA-AA4	100Yr-072Hr	4.00	4.00	0.0044	18.47	10.94	5848

Node: NZA-AA5

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1200	5227
8.00	0.4300	18731

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA5	005Yr-001Hr	4.00	3.50	-0.0066	3.27	19.35	404
NZA-AA5	005Yr-024Hr	4.00	3.50	-0.0066	3.71	19.35	404
NZA-AA5	010Yr-024Hr	4.00	3.63	-0.0066	4.76	19.35	1522
NZA-AA5	025Yr-072Hr	4.00	3.77	-0.0066	5.63	19.35	3029
NZA-AA5	100Yr-072Hr	4.00	4.01	-0.0066	7.35	19.35	5430

Node: NZA-AA7

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4700	20473
8.00	0.8800	38333

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA7	005Yr-001Hr	8.00	4.49	0.0007	14.35	0.00	22643
NZA-AA7	005Yr-024Hr	8.00	5.09	-0.0020	10.72	3.17	25328
NZA-AA7	010Yr-024Hr	8.00	5.22	-0.0017	8.81	2.92	25917
NZA-AA7	025Yr-072Hr	8.00	5.48	-0.0014	9.55	2.97	27065
NZA-AA7	100Yr-072Hr	8.00	5.83	-0.0002	13.19	4.10	28644

Node: NZA-B1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.17 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.67	0.0001	4
4.17	0.7000	30492
8.00	1.9500	84942

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B1	005Yr-001Hr	4.17	2.79	-0.0058	31.68	32.91	100
NZA-B1	005Yr-024Hr	4.17	3.15	-0.0062	37.06	37.57	100
NZA-B1	010Yr-024Hr	4.17	3.80	-0.0062	41.13	40.64	8124
NZA-B1	025Yr-072Hr	4.17	4.16	-0.0107	51.50	50.58	30075
NZA-B1	100Yr-072Hr	4.17	4.68	-0.0078	83.74	81.96	37836

Node: NZA-B2

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.73 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.23	0.0001	4
4.73	0.5200	22651
8.00	1.6900	73616

Comment: As-built Structure EX-283

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B2	005Yr-001Hr	4.73	3.07	-0.0045	14.80	15.24	100
NZA-B2	005Yr-024Hr	4.73	3.66	-0.0049	19.76	20.09	100
NZA-B2	010Yr-024Hr	4.73	4.55	-0.0049	25.42	23.92	14658
NZA-B2	025Yr-072Hr	4.73	4.78	-0.0049	31.90	30.32	23471
NZA-B2	100Yr-072Hr	4.73	5.07	-0.0115	44.29	43.05	27940

Node: NZA-B3

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.83 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.33	0.0001	4
4.83	0.5500	23958
8.00	1.0800	47045

Comment: As-built Structure EX-291

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B3	005Yr-001Hr	4.83	3.22	-0.0033	6.01	5.99	100
NZA-B3	005Yr-024Hr	4.83	4.00	-0.0035	8.94	9.08	100
NZA-B3	010Yr-024Hr	4.83	4.77	-0.0041	13.82	14.31	21079
NZA-B3	025Yr-072Hr	4.83	4.90	-0.0097	17.80	17.34	24492
NZA-B3	100Yr-072Hr	4.83	5.26	-0.0083	29.10	27.81	27128

Node: NZA-B4

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3400	14810
8.00	1.4300	62291

Comment: AS-BUILT STRUCTURE EX-295

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B4	005Yr-001Hr	4.80	3.22	-0.0081	19.19	19.12	100
NZA-B4	005Yr-024Hr	4.80	4.05	-0.0081	26.29	26.40	100
NZA-B4	010Yr-024Hr	4.80	5.03	-0.0084	36.07	34.13	18167
NZA-B4	025Yr-072Hr	4.80	5.47	-0.0081	37.94	39.52	24727
NZA-B4	100Yr-072Hr	4.80	5.82	-0.0081	44.53	40.45	29942

Node: NZA-C1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.6800	29621
8.00	2.1100	91912

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C1	005Yr-001Hr	4.44	3.93	-0.0006	6.93	6.98	100
NZA-C1	005Yr-024Hr	4.44	4.34	-0.0011	8.34	7.42	23573
NZA-C1	010Yr-024Hr	4.44	4.92	-0.0019	11.95	8.19	38077
NZA-C1	025Yr-072Hr	4.44	5.17	-0.0021	16.70	16.71	42411
NZA-C1	100Yr-072Hr	4.44	5.41	-0.0020	30.53	30.38	46554

Node: NZA-C2

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 5.78 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
5.28	0.0001	4
5.78	0.5000	21780
8.00	1.3900	60548

Comment: AS-BUILT STRUCTURE EX-404.

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C2	005Yr-001Hr	5.78	5.86	0.0013	9.36	5.89	23199
NZA-C2	005Yr-024Hr	5.78	5.96	-0.0007	11.25	10.04	24938
NZA-C2	010Yr-024Hr	5.78	6.05	-0.0008	15.64	14.40	26526
NZA-C2	025Yr-072Hr	5.78	6.11	-0.0007	19.12	17.77	27576
NZA-C2	100Yr-072Hr	5.78	6.21	-0.0005	26.07	24.76	29353

Node: NZA-CS-01

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-01	005Yr-001Hr	8.00	2.01	-0.0178	32.91	36.23	100
NZA-CS-01	005Yr-024Hr	8.00	2.02	0.0190	37.57	38.58	100
NZA-CS-01	010Yr-024Hr	8.00	2.13	0.0199	40.64	40.68	100
NZA-CS-01	025Yr-072Hr	8.00	2.29	0.0194	43.04	43.08	100
NZA-CS-01	100Yr-072Hr	8.00	2.47	0.0199	46.78	46.81	100

Node: NZA-CS-02

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.83	0.0010	44

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-02	005Yr-001Hr	8.00	2.01	-0.0147	23.60	28.27	100
NZA-CS-02	005Yr-024Hr	8.00	2.01	0.0153	26.74	29.85	100
NZA-CS-02	010Yr-024Hr	8.00	2.02	0.0170	33.02	33.08	100
NZA-CS-02	025Yr-072Hr	8.00	2.23	0.0170	35.45	35.53	100
NZA-CS-02	100Yr-072Hr	8.00	2.35	0.0170	37.72	37.81	100

Node: NZA-CS-03

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-03	005Yr-001Hr	8.00	3.41	0.0004	25.71	25.69	100
NZA-CS-03	005Yr-024Hr	8.00	3.92	0.0009	31.35	31.35	100
NZA-CS-03	010Yr-024Hr	8.00	4.40	0.0008	35.91	35.91	100
NZA-CS-03	025Yr-072Hr	8.00	4.52	-0.0010	36.98	36.98	100
NZA-CS-03	100Yr-072Hr	8.00	4.82	-0.0009	39.51	39.51	100

Node: NZA-CS-04

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0010	44

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	005Yr-001Hr	8.00	2.49	-0.0005	6.67	6.67	100
NZA-CS-04	005Yr-024Hr	8.00	2.70	-0.0007	8.25	8.25	100
NZA-CS-04	010Yr-024Hr	8.00	2.90	-0.0007	9.15	9.15	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	025Yr-072Hr	8.00	2.98	-0.0008	9.42	9.42	100
NZA-CS-04	100Yr-072Hr	8.00	3.15	-0.0007	9.98	9.98	100

Node: NZA-CS-05

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-05	005Yr-001Hr	8.00	3.15	0.0007	13.10	13.09	100
NZA-CS-05	005Yr-024Hr	8.00	4.48	0.0009	14.81	14.79	100
NZA-CS-05	010Yr-024Hr	8.00	4.65	0.0009	14.99	14.96	100
NZA-CS-05	025Yr-072Hr	8.00	4.87	0.0009	15.13	15.08	100
NZA-CS-05	100Yr-072Hr	8.00	5.17	0.0009	15.35	15.29	100

Node: NZA-CS-TOWN

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.15	0.0010	44

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-TOWN	005Yr-001Hr	8.00	2.94	0.0010	11.20	11.20	341
NZA-CS-TOWN	005Yr-024Hr	8.00	3.05	0.0010	13.26	13.26	343
NZA-CS-TOWN	010Yr-024Hr	8.00	3.27	0.0010	17.53	17.53	344
NZA-CS-TOWN	025Yr-072Hr	8.00	3.38	0.0010	20.04	20.04	344
NZA-CS-TOWN	100Yr-072Hr	8.00	3.57	0.0010	24.36	24.36	344

Node: NZA-D1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4400	19166
8.00	1.1600	50530

Comment: AS-BUILT STRUCTURE EX-271

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D1	005Yr-001Hr	3.56	3.19	0.0007	16.77	16.16	5152
NZA-D1	005Yr-024Hr	3.56	4.53	-0.0010	30.58	28.45	26030
NZA-D1	010Yr-024Hr	3.56	4.70	-0.0009	42.76	36.38	27256
NZA-D1	025Yr-072Hr	3.56	4.92	-0.0010	49.51	41.18	28811
NZA-D1	100Yr-072Hr	3.56	5.22	-0.0009	55.12	44.92	30877

Node: NZA-D2

Scenario: OPTION 4

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.62 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.12	0.0001	4
3.62	0.4900	21344
8.00	1.4700	64033

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D2	005Yr-001Hr	3.62	3.81	0.0009	20.68	13.03	23197
NZA-D2	005Yr-024Hr	3.62	4.63	0.0010	33.04	30.42	31239
NZA-D2	010Yr-024Hr	3.62	4.94	0.0010	45.32	39.00	34245
NZA-D2	025Yr-072Hr	3.62	5.18	0.0010	54.39	46.21	36593
NZA-D2	100Yr-072Hr	3.62	5.56	0.0010	63.24	63.41	40255

Node: NZA-D3

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.98 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.48	0.0001	4
3.98	0.4700	20473
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE EX-263

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D3	005Yr-001Hr	3.98	4.04	0.0007	13.98	9.33	21143
NZA-D3	005Yr-024Hr	3.98	4.76	0.0010	27.28	26.66	29256
NZA-D3	010Yr-024Hr	3.98	5.17	0.0010	38.17	33.40	33931
NZA-D3	025Yr-072Hr	3.98	5.48	0.0010	44.76	37.92	37371
NZA-D3	100Yr-072Hr	3.98	6.01	0.0009	51.07	47.40	43356

Node: NZA-D4

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.16 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.66	0.0001	4
4.16	0.9400	40946
8.00	2.5700	111949

Comment: AS-BUILT STRUCTURE EX-258

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D4	005Yr-001Hr	4.16	4.24	0.0007	18.55	7.43	42495
NZA-D4	005Yr-024Hr	4.16	4.96	0.0009	24.80	23.62	55760
NZA-D4	010Yr-024Hr	4.16	5.36	0.0008	40.86	29.19	63108
NZA-D4	025Yr-072Hr	4.16	5.72	0.0010	51.07	33.11	69717
NZA-D4	100Yr-072Hr	4.16	6.37	0.0009	63.12	41.25	81818

Node: NZA-D5

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.9400	40946
8.00	1.5200	66211

Comment: AS-BUILT STRUCTURE EX-253

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D5	005Yr-001Hr	4.46	4.43	0.0008	16.11	6.65	38479
NZA-D5	005Yr-024Hr	4.46	4.99	-0.0010	20.38	18.51	44770
NZA-D5	010Yr-024Hr	4.46	5.47	-0.0009	34.47	24.46	48130
NZA-D5	025Yr-072Hr	4.46	5.85	0.0009	47.43	28.07	50903
NZA-D5	100Yr-072Hr	4.46	6.58	0.0007	61.99	31.08	56074

Node: NZA-D6

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.48 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.98	0.0001	4
4.48	1.0400	45302
8.00	1.9600	85378

Comment: AS-BUILT STRUCTURE EX-249

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D6	005Yr-001Hr	4.48	4.44	0.0008	15.48	7.27	41422
NZA-D6	005Yr-024Hr	4.48	5.15	-0.0017	18.66	11.60	52959
NZA-D6	010Yr-024Hr	4.48	5.51	-0.0015	25.89	17.18	57011
NZA-D6	025Yr-072Hr	4.48	5.91	-0.0013	34.27	19.76	61575
NZA-D6	100Yr-072Hr	4.48	6.66	0.0005	46.61	21.44	70122

Node: NZA-D7

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.90	0.5900	25700
8.00	1.9200	83635

Comment: AS-BUILT STRUCTURE EX-HG92

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D7	005Yr-001Hr	3.90	4.39	0.0008	14.16	1.13	32615
NZA-D7	005Yr-024Hr	3.90	5.16	-0.0041	13.89	7.04	43454
NZA-D7	010Yr-024Hr	3.90	5.51	-0.0037	17.63	6.85	48505
NZA-D7	025Yr-072Hr	3.90	5.92	-0.0029	19.36	8.06	54193
NZA-D7	100Yr-072Hr	3.90	6.67	0.0002	26.40	8.83	64853

Node: NZA-DS1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.20	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS1	005Yr-001Hr	8.00	1.60	0.0000	0.04	0.00	100
NZA-DS1	005Yr-024Hr	8.00	1.60	0.0001	0.06	0.01	100
NZA-DS1	010Yr-024Hr	8.00	1.60	-0.0001	1.04	1.13	100
NZA-DS1	025Yr-072Hr	8.00	1.60	0.0002	3.44	3.65	100
NZA-DS1	100Yr-072Hr	8.00	1.60	-0.0002	7.18	7.32	100

Node: NZA-DS2

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.86	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS2	005Yr-001Hr	8.00	1.60	0.0000	0.02	0.00	100
NZA-DS2	005Yr-024Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS2	010Yr-024Hr	8.00	1.60	0.0001	0.06	0.02	100
NZA-DS2	025Yr-072Hr	8.00	1.60	0.0001	2.45	2.60	100
NZA-DS2	100Yr-072Hr	8.00	1.60	0.0001	4.73	4.85	100

Node: NZA-DS3

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.90	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS3	005Yr-001Hr	8.00	1.61	-0.0016	25.69	25.75	100
NZA-DS3	005Yr-024Hr	8.00	1.62	-0.0019	31.35	31.38	100
NZA-DS3	010Yr-024Hr	8.00	1.62	-0.0020	35.91	35.93	100
NZA-DS3	025Yr-072Hr	8.00	1.62	-0.0020	36.98	37.02	100
NZA-DS3	100Yr-072Hr	8.00	1.63	-0.0019	39.51	39.55	100

Node: NZA-E1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.5100	22216
8.00	1.8400	80150

Comment: AS-BUILT STRUCTURE BA91

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E1	005Yr-001Hr	4.18	2.69	0.0007	25.61	25.61	100
NZA-E1	005Yr-024Hr	4.18	3.37	0.0008	44.96	44.96	100
NZA-E1	010Yr-024Hr	4.18	4.35	0.0008	61.28	59.79	24795
NZA-E1	025Yr-072Hr	4.18	4.75	0.0008	73.71	66.35	30901
NZA-E1	100Yr-072Hr	4.18	5.03	0.0009	92.64	92.55	35163

Node: NZA-E2

Scenario: OPTION 4

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4500	19602
8.00	1.4400	62726

Comment: AS-BUILT STRUCTURE EX-180

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E2	005Yr-001Hr	4.24	3.61	0.0007	15.45	15.44	100
NZA-E2	005Yr-024Hr	4.24	4.52	-0.0009	27.61	27.26	22786
NZA-E2	010Yr-024Hr	4.24	4.74	-0.0010	35.48	34.98	25380
NZA-E2	025Yr-072Hr	4.24	5.00	-0.0013	42.07	40.62	28291
NZA-E2	100Yr-072Hr	4.24	5.36	-0.0010	50.91	44.83	32468

Node: NZA-E3

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.15	0.0001	4
4.65	0.4600	20038
8.00	1.4500	63162

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E3	005Yr-001Hr	4.65	3.95	0.0008	12.76	12.74	100
NZA-E3	005Yr-024Hr	4.65	4.63	-0.0009	27.26	25.81	19409
NZA-E3	010Yr-024Hr	4.65	4.94	-0.0009	39.98	36.80	23813
NZA-E3	025Yr-072Hr	4.65	5.19	-0.0009	47.31	41.05	26954
NZA-E3	100Yr-072Hr	4.65	5.58	-0.0009	51.36	42.38	32068

Node: NZA-E4

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.4600	20038
8.00	1.4900	64904

Comment: AS-BUILT STRUCTURE EX-191

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E4	005Yr-001Hr	4.46	4.34	0.0019	11.53	6.80	15430
NZA-E4	005Yr-024Hr	4.46	4.83	-0.0043	23.20	22.86	24702
NZA-E4	010Yr-024Hr	4.46	5.12	-0.0045	33.46	30.76	28406
NZA-E4	025Yr-072Hr	4.46	5.40	-0.0044	39.76	33.44	31938
NZA-E4	100Yr-072Hr	4.46	5.90	-0.0044	43.33	35.69	38253

Node: NZA-E5

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.59 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.09	0.0001	4
4.59	0.4600	20038
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE DI91

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E5	005Yr-001Hr	4.59	4.35	0.0018	7.10	9.32	10319
NZA-E5	005Yr-024Hr	4.59	4.84	0.0044	19.22	19.08	23447
NZA-E5	010Yr-024Hr	4.59	5.13	0.0046	26.90	24.29	27275
NZA-E5	025Yr-072Hr	4.59	5.41	0.0045	31.75	25.70	31080
NZA-E5	100Yr-072Hr	4.59	5.92	0.0045	35.76	29.80	37840

Node: NZA-E6

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.72	0.0001	4
4.22	0.4700	20473
8.00	1.4700	64033

Comment: AS-BUILT STRUCTURE EX-CA91

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E6	005Yr-001Hr	4.22	4.34	0.0007	10.36	5.11	21915
NZA-E6	005Yr-024Hr	4.22	4.87	-0.0014	15.42	15.43	27976
NZA-E6	010Yr-024Hr	4.22	5.19	-0.0012	20.90	19.81	31617
NZA-E6	025Yr-072Hr	4.22	5.48	-0.0009	24.65	20.85	35008
NZA-E6	100Yr-072Hr	4.22	6.01	-0.0008	29.92	24.61	41064

Node: NZA-E7

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.06 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.56	0.0001	4
4.06	0.4500	19602
8.00	1.3500	58806

Comment: AS-BUILT STRUCTURE EX-215

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E7	005Yr-001Hr	4.06	4.34	0.0007	11.75	2.08	22421
NZA-E7	005Yr-024Hr	4.06	4.91	-0.0016	16.15	11.99	28061
NZA-E7	010Yr-024Hr	4.06	5.24	-0.0015	21.88	15.38	31315
NZA-E7	025Yr-072Hr	4.06	5.54	-0.0013	20.35	16.58	34332
NZA-E7	100Yr-072Hr	4.06	6.08	-0.0009	24.31	19.79	39728

Node: NZA-E8

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4500	19602
8.00	1.3300	57935

Comment: AS-BUILT STRUCTURE EX-AB91

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E8	005Yr-001Hr	4.00	4.23	0.0007	7.98	1.00	21768
NZA-E8	005Yr-024Hr	4.00	4.93	-0.0015	17.71	9.87	28547
NZA-E8	010Yr-024Hr	4.00	5.27	-0.0014	22.61	11.46	31743
NZA-E8	025Yr-072Hr	4.00	5.57	0.0002	16.68	12.67	34697
NZA-E8	100Yr-072Hr	4.00	6.13	0.0002	19.45	15.19	39987

Node: NZA-F1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 2.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
2.41	0.0001	4
2.91	0.4700	20473
8.00	1.3100	57064

Comment: AS-BUILT STRUCTURE EX-114

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F1	005Yr-001Hr	2.91	3.00	0.0006	8.03	2.39	21126
NZA-F1	005Yr-024Hr	2.91	3.47	-0.0010	9.41	6.22	24522
NZA-F1	010Yr-024Hr	2.91	4.35	-0.0010	12.77	7.61	30862
NZA-F1	025Yr-072Hr	2.91	4.75	-0.0010	17.51	14.24	33741
NZA-F1	100Yr-072Hr	2.91	5.20	-0.0010	38.44	23.31	36922

Node: NZA-F2

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.08 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.58	0.0001	4
4.08	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-119

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F2	005Yr-001Hr	4.08	3.83	0.0006	5.40	4.24	6724
NZA-F2	005Yr-024Hr	4.08	4.18	-0.0011	8.77	8.43	14256
NZA-F2	010Yr-024Hr	4.08	4.36	-0.0008	16.80	16.67	15566
NZA-F2	025Yr-072Hr	4.08	4.79	-0.0007	27.72	25.90	18789
NZA-F2	100Yr-072Hr	4.08	5.28	0.0005	40.22	36.40	22421

Node: NZA-F3

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.96 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.46	0.0001	4
3.96	0.4200	18295
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 123

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F3	005Yr-001Hr	3.96	4.04	0.0006	6.45	1.79	19107
NZA-F3	005Yr-024Hr	3.96	4.40	-0.0015	7.76	5.11	23014
NZA-F3	010Yr-024Hr	3.96	4.59	-0.0016	13.87	13.68	24982
NZA-F3	025Yr-072Hr	3.96	4.91	-0.0014	23.35	22.62	28489
NZA-F3	100Yr-072Hr	3.96	5.51	-0.0012	40.64	28.71	34813

Node: NZA-F4

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.61 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.11	0.0001	4
3.61	0.4500	19602
8.00	1.4500	63162

Comment: EX.AS-BUILT STRUCTURE 126

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F4	005Yr-001Hr	3.61	3.82	0.0006	7.80	1.01	21737
NZA-F4	005Yr-024Hr	3.61	4.86	0.0001	9.12	2.85	32051
NZA-F4	010Yr-024Hr	3.61	5.05	0.0001	12.27	9.60	33915
NZA-F4	025Yr-072Hr	3.61	5.18	0.0001	19.50	19.19	35191
NZA-F4	100Yr-072Hr	3.61	5.65	0.0001	36.93	31.53	39826

Node: NZA-F5

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.38	0.0001	4
3.88	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 131

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F5	005Yr-001Hr	3.88	3.94	0.0006	6.96	2.14	20247
NZA-F5	005Yr-024Hr	3.88	4.91	0.0001	8.30	2.69	30031
NZA-F5	010Yr-024Hr	3.88	5.20	0.0001	13.76	4.93	33018
NZA-F5	025Yr-072Hr	3.88	5.37	0.0002	13.84	12.60	34686
NZA-F5	100Yr-072Hr	3.88	5.76	0.0001	27.06	23.19	38717

Node: NZA-F6

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.15	0.0001	4
3.65	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 135

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F6	005Yr-001Hr	3.65	3.95	0.0006	8.02	0.91	22485
NZA-F6	005Yr-024Hr	3.65	4.90	0.0001	9.06	5.21	31608
NZA-F6	010Yr-024Hr	3.65	5.20	0.0001	18.02	7.40	34532
NZA-F6	025Yr-072Hr	3.65	5.38	-0.0002	15.62	7.85	36219
NZA-F6	100Yr-072Hr	3.65	5.80	-0.0001	22.71	14.67	40286

Node: NZA-F7

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.29 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.79	0.0001	4
4.29	0.4400	19166
8.00	1.4700	64033

Comment: EX.AS-BUILT STRUCTURE 141

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F7	005Yr-001Hr	4.29	4.26	0.0005	6.62	3.01	18049
NZA-F7	005Yr-024Hr	4.29	4.89	-0.0003	8.03	8.01	26467
NZA-F7	010Yr-024Hr	4.29	5.20	-0.0002	14.87	11.86	30134
NZA-F7	025Yr-072Hr	4.29	5.38	-0.0001	15.36	12.43	32351
NZA-F7	100Yr-072Hr	4.29	5.81	0.0001	27.79	16.64	37540

Node: NZA-F8

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.4400	19166
8.00	1.4600	63598

Comment: EX.AS-BUILT STRUCTURE 142

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F8	005Yr-001Hr	4.44	4.13	0.0004	8.36	8.09	7185
NZA-F8	005Yr-024Hr	4.44	4.88	0.0001	12.88	12.99	24674
NZA-F8	010Yr-024Hr	4.44	5.17	0.0001	18.24	17.08	28305
NZA-F8	025Yr-072Hr	4.44	5.37	0.0001	21.77	17.81	30803
NZA-F8	100Yr-072Hr	4.44	5.81	0.0001	35.92	18.90	36236

Node: NZA-F9

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.27 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.77	0.0001	4
4.27	0.3600	15682
8.00	1.1200	48787

Comment: EX.AS-BUILT STRUCTURE 148

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F9	005Yr-001Hr	4.27	4.28	0.0005	4.92	1.70	15813
NZA-F9	005Yr-024Hr	4.27	4.88	-0.0018	5.91	2.91	21131
NZA-F9	010Yr-024Hr	4.27	5.17	-0.0018	11.20	6.68	23699
NZA-F9	025Yr-072Hr	4.27	5.38	-0.0016	15.94	7.63	25521
NZA-F9	100Yr-072Hr	4.27	5.81	-0.0014	18.19	6.52	29393

Node: NZA-G1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.81 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.31	0.0001	4
3.81	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-166

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G1	005Yr-001Hr	3.81	3.00	-0.0006	3.59	3.69	100
NZA-G1	005Yr-024Hr	3.81	3.44	-0.0009	4.68	4.77	3469
NZA-G1	010Yr-024Hr	3.81	4.35	-0.0009	5.99	6.31	17268
NZA-G1	025Yr-072Hr	3.81	4.75	-0.0009	13.17	12.18	20059
NZA-G1	100Yr-072Hr	3.81	5.20	-0.0009	20.84	13.12	23190

Node: NZA-G2

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.6800	29621
8.00	2.2400	97574

Comment: EX.AS-BUILT STRUCTURE 108

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G2	005Yr-001Hr	4.00	2.78	-0.0044	24.77	26.16	100
NZA-G2	005Yr-024Hr	4.00	3.10	-0.0043	28.40	29.38	100
NZA-G2	010Yr-024Hr	4.00	4.01	-0.0043	40.20	38.36	29735
NZA-G2	025Yr-072Hr	4.00	4.74	-0.0075	56.87	55.41	42225
NZA-G2	100Yr-072Hr	4.00	5.20	-0.0071	74.32	58.92	49992

Node: NZA-G3

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.20 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.70	0.0001	4
4.20	0.4000	17424
8.00	1.2500	54450

Comment: EX.AS-BUILT STRUCTURE 105

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G3	005Yr-001Hr	4.20	3.64	-0.0028	14.31	14.50	100
NZA-G3	005Yr-024Hr	4.20	3.95	-0.0028	15.93	15.33	8754
NZA-G3	010Yr-024Hr	4.20	4.42	-0.0028	20.57	20.11	19575
NZA-G3	025Yr-072Hr	4.20	4.91	-0.0039	32.26	29.36	24393
NZA-G3	100Yr-072Hr	4.20	5.46	-0.0042	50.58	37.50	29694

Node: NZA-G4

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3800	16553
8.00	0.9600	41818

Comment: EX.AS-BUILT STRUCTURE 101

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G4	005Yr-001Hr	4.80	3.96	0.0005	8.91	8.95	507
NZA-G4	005Yr-024Hr	4.80	4.33	-0.0008	10.15	10.21	1034
NZA-G4	010Yr-024Hr	4.80	4.92	-0.0011	15.97	15.80	17534
NZA-G4	025Yr-072Hr	4.80	5.17	-0.0012	26.67	25.94	19462
NZA-G4	100Yr-072Hr	4.80	5.64	-0.0014	39.53	37.02	23170

Node: NZA-G5

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.3900	16988
8.00	1.1100	48352

Comment: EX.AS-BUILT STRUCTURE 95

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G5	005Yr-001Hr	4.46	4.25	0.0005	5.73	4.49	10023
NZA-G5	005Yr-024Hr	4.46	4.85	-0.0042	9.18	7.86	20483
NZA-G5	010Yr-024Hr	4.46	5.11	-0.0041	12.74	11.52	22732
NZA-G5	025Yr-072Hr	4.46	5.25	-0.0043	18.50	18.26	24002
NZA-G5	100Yr-072Hr	4.46	5.72	-0.0040	26.90	22.44	28170

Node: NZA-G6

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.42 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.92	0.0001	4
4.42	0.3600	15682
8.00	1.1400	49658

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G6	005Yr-001Hr	4.42	4.27	0.0004	4.76	3.19	11140
NZA-G6	005Yr-024Hr	4.42	4.86	-0.0007	7.59	5.21	19837
NZA-G6	010Yr-024Hr	4.42	5.13	-0.0008	11.17	7.81	22395
NZA-G6	025Yr-072Hr	4.42	5.31	-0.0008	13.44	13.27	24122
NZA-G6	100Yr-072Hr	4.42	5.77	-0.0006	19.92	14.17	28474

Node: NZA-G7

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.19 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.69	0.0001	4
4.19	0.4600	20038
8.00	1.5200	66211

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G7	005Yr-001Hr	4.19	4.38	0.0010	7.07	0.00	22304
NZA-G7	005Yr-024Hr	4.19	4.86	0.0003	8.50	8.01	28148
NZA-G7	010Yr-024Hr	4.19	5.13	0.0003	14.06	10.89	31452
NZA-G7	025Yr-072Hr	4.19	5.33	0.0002	15.87	11.95	33875
NZA-G7	100Yr-072Hr	4.19	5.78	0.0002	24.18	11.08	39319

Node: NZA-G8

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.3300	14375
8.00	0.9800	42689

Comment: EX.AS-BUILT STRUCTURE 80

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G8	005Yr-001Hr	4.18	4.12	0.0004	19.79	16.36	12729
NZA-G8	005Yr-024Hr	4.18	4.86	0.0001	22.28	17.87	19434
NZA-G8	010Yr-024Hr	4.18	5.13	0.0001	27.79	25.59	21460
NZA-G8	025Yr-072Hr	4.18	5.33	0.0001	32.98	30.42	22979
NZA-G8	100Yr-072Hr	4.18	5.78	0.0001	40.79	32.38	26271

Node: NZA-G9

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.84 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.34	0.0001	4
4.84	0.4100	17860
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G9	005Yr-001Hr	4.84	4.47	0.0004	7.59	6.30	4782
NZA-G9	005Yr-024Hr	4.84	4.86	-0.0002	8.42	7.15	18113
NZA-G9	010Yr-024Hr	4.84	5.14	0.0002	13.04	10.90	21785
NZA-G9	025Yr-072Hr	4.84	5.34	0.0002	16.68	12.85	24366
NZA-G9	100Yr-072Hr	4.84	5.79	-0.0002	19.41	12.85	30151

Node: NZA-I1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.72 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.22	0.0001	4
3.72	0.2300	10019
8.00	2.0000	87120

Comment: As-built Structure EX-2011

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I1	005Yr-001Hr	3.72	2.45	-0.0012	6.76	6.68	100
NZA-I1	005Yr-024Hr	3.72	2.75	-0.0013	14.49	14.44	100
NZA-I1	010Yr-024Hr	3.72	3.24	-0.0013	22.19	22.18	363
NZA-I1	025Yr-072Hr	3.72	4.71	-0.0089	35.67	29.13	27935
NZA-I1	100Yr-072Hr	3.72	5.14	-0.0095	46.62	34.17	35653

Node: NZA-I2

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.95	0.2900	12632
8.00	0.9600	41818

Comment: As-built Structure EX-2013

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I2	005Yr-001Hr	3.95	3.82	0.0005	3.72	1.70	9624
NZA-I2	005Yr-024Hr	3.95	4.29	-0.0012	10.04	9.76	15052
NZA-I2	010Yr-024Hr	3.95	4.41	-0.0012	16.32	15.90	15937
NZA-I2	025Yr-072Hr	3.95	4.76	-0.0011	21.05	20.58	18484
NZA-I2	100Yr-072Hr	3.95	5.26	-0.0009	29.77	29.35	22042

Node: NZA-I3

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.49 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.99	0.0001	4
4.49	0.3300	14375
8.00	1.0900	47480

Comment: As-built Structure EX-2071

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I3	005Yr-001Hr	4.49	4.53	0.0007	4.06	1.14	14733
NZA-I3	005Yr-024Hr	4.49	4.78	-0.0006	7.02	6.83	17122
NZA-I3	010Yr-024Hr	4.49	4.87	-0.0006	11.47	11.11	17955
NZA-I3	025Yr-072Hr	4.49	4.93	-0.0005	14.78	14.31	18509
NZA-I3	100Yr-072Hr	4.49	5.33	-0.0004	23.25	21.82	22301

Node: NZA-I4

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.93	0.0001	4
4.43	0.3000	13068
8.00	1.0800	47045

Comment: As-built Structure EX-2021

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I4	005Yr-001Hr	4.43	4.52	0.0007	4.53	1.24	13977
NZA-I4	005Yr-024Hr	4.43	4.78	-0.0009	5.09	3.54	16449
NZA-I4	010Yr-024Hr	4.43	4.87	-0.0008	6.99	5.64	17294
NZA-I4	025Yr-072Hr	4.43	4.93	-0.0007	8.55	8.28	17854
NZA-I4	100Yr-072Hr	4.43	5.36	-0.0006	17.64	14.76	21919

Node: NZA-I5

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.41 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.91	0.0001	4
4.41	0.3300	14375
8.00	1.3300	57935

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I5	005Yr-001Hr	4.41	4.41	0.0006	5.56	2.39	14432
NZA-I5	005Yr-024Hr	4.41	4.79	-0.0004	6.57	3.75	18982
NZA-I5	010Yr-024Hr	4.41	4.87	-0.0004	8.61	6.30	20018
NZA-I5	025Yr-072Hr	4.41	5.01	-0.0002	10.50	8.49	21708
NZA-I5	100Yr-072Hr	4.41	5.39	-0.0002	14.03	12.63	26214

Node: NZA-I6

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	1.0300	44867
8.00	2.2800	99317

Comment: EX.AS-BUILT STRUCTURE 2025

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I6	005Yr-001Hr	4.24	3.65	0.0004	25.74	25.71	100
NZA-I6	005Yr-024Hr	4.24	4.27	-0.0012	33.50	31.35	45360
NZA-I6	010Yr-024Hr	4.24	4.86	-0.0013	47.47	35.91	53925
NZA-I6	025Yr-072Hr	4.24	5.02	-0.0015	57.70	37.58	56110
NZA-I6	100Yr-072Hr	4.24	5.39	0.0015	70.51	43.11	61514

Node: NZA-I7

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4700	20473
8.00	1.4300	62291

Comment: EX.AS-BUILT STRUCTURE 36

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I7	005Yr-001Hr	3.56	3.86	0.0004	28.43	20.01	23372
NZA-I7	005Yr-024Hr	3.56	4.64	0.0008	32.02	28.60	30679
NZA-I7	010Yr-024Hr	3.56	5.07	0.0008	44.87	37.67	34768
NZA-I7	025Yr-072Hr	3.56	5.26	0.0010	55.55	43.73	36532
NZA-I7	100Yr-072Hr	3.56	5.69	-0.0009	69.89	47.84	40569

Node: NZA-I8

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.51 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.01	0.0001	4
4.51	0.4200	18295
8.00	1.3600	59242

Comment: EX.AS-BUILT STRUCTURE 42

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I8	005Yr-001Hr	4.51	4.46	0.0005	10.46	5.53	16594
NZA-I8	005Yr-024Hr	4.51	4.79	-0.0004	10.99	9.15	21530
NZA-I8	010Yr-024Hr	4.51	5.08	-0.0005	15.56	14.23	24952
NZA-I8	025Yr-072Hr	4.51	5.27	-0.0004	20.38	17.50	27244
NZA-I8	100Yr-072Hr	4.51	5.70	-0.0002	28.00	20.84	32301

Node: NZA-PS0

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0050	218

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS0	005Yr-001Hr	8.00	1.71	-0.0137	13.09	14.20	100
NZA-PS0	005Yr-024Hr	8.00	4.10	-0.0142	14.79	14.20	218
NZA-PS0	010Yr-024Hr	8.00	4.27	-0.0142	14.96	14.20	218
NZA-PS0	025Yr-072Hr	8.00	4.49	-0.0142	15.08	14.20	218
NZA-PS0	100Yr-072Hr	8.00	4.78	-0.0142	15.29	14.20	218

Node: NZA-PS1

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS1	005Yr-001Hr	8.00	2.00	-0.0211	36.23	39.60	100
NZA-PS1	005Yr-024Hr	8.00	2.00	0.0235	38.58	39.60	100
NZA-PS1	010Yr-024Hr	8.00	2.10	0.0248	39.67	39.60	100
NZA-PS1	025Yr-072Hr	8.00	2.25	0.0246	39.70	39.60	100
NZA-PS1	100Yr-072Hr	8.00	2.44	0.0247	39.71	39.60	105

Node: NZA-PS2

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS2	005Yr-001Hr	8.00	2.00	-0.0153	28.27	33.00	121
NZA-PS2	005Yr-024Hr	8.00	2.00	0.0164	29.85	33.00	122
NZA-PS2	010Yr-024Hr	8.00	2.00	0.0196	33.08	33.00	122
NZA-PS2	025Yr-072Hr	8.00	2.21	0.0195	33.09	33.00	161
NZA-PS2	100Yr-072Hr	8.00	2.33	0.0195	33.11	33.00	185

Node: NZA-PS3

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100

Node: NZA-S-106

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
4.49	0.0070	305

Comment: FDOT PUMP STATION

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-106	005Yr-001Hr	8.00	2.00	-0.0116	17.72	42.88	768
NZA-S-106	005Yr-024Hr	8.00	2.00	-0.0117	21.28	42.88	768
NZA-S-106	010Yr-024Hr	8.00	2.00	-0.0117	25.24	46.04	768
NZA-S-106	025Yr-072Hr	8.00	2.00	-0.0118	28.49	47.91	768
NZA-S-106	100Yr-072Hr	8.00	2.00	-0.0119	34.29	51.89	768

Node: NZA-S-77

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-77	005Yr-001Hr	8.00	1.82	0.0000	0.28	0.06	1305
NZA-S-77	005Yr-024Hr	8.00	2.00	0.0001	0.26	0.28	1692
NZA-S-77	010Yr-024Hr	8.00	3.42	0.0002	3.06	1.02	1918
NZA-S-77	025Yr-072Hr	8.00	4.00	0.0003	4.69	1.71	1886
NZA-S-77	100Yr-072Hr	8.00	4.62	0.0004	6.09	3.20	1977

Node: NZA-S-82

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
0.00	0.0070	305

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-82	005Yr-001Hr	8.00	2.00	-0.0030	31.78	43.16	1715
NZA-S-82	005Yr-024Hr	8.00	2.00	0.0030	39.72	43.14	1779
NZA-S-82	010Yr-024Hr	8.00	3.42	-0.0030	47.89	45.94	1887
NZA-S-82	025Yr-072Hr	8.00	4.00	-0.0030	50.61	47.57	1887
NZA-S-82	100Yr-072Hr	8.00	4.62	0.0030	53.41	48.97	1893

Node: NZA-S101

Scenario: OPTION 4
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174

Stage [ft]	Area [ac]	Area [ft2]
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S101	005Yr-001Hr	8.00	2.00	-0.0080	2.47	14.45	181
NZA-S101	005Yr-024Hr	8.00	2.00	-0.0081	4.13	14.74	181
NZA-S101	010Yr-024Hr	8.00	2.00	-0.0081	5.51	14.74	181
NZA-S101	025Yr-072Hr	8.00	2.00	-0.0082	7.26	14.77	181
NZA-S101	100Yr-072Hr	8.00	2.00	-0.0082	10.37	14.77	181

Node: OUTFALL (88th)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.20 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.20
0	0	0	99999.0000	1.20

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (88th)	005Yr-001Hr	8.00	1.20	0.0000	6.68	0.00	0
OUTFALL (88th)	005Yr-024Hr	8.00	1.20	0.0000	14.43	0.00	0
OUTFALL (88th)	010Yr-024Hr	8.00	1.20	0.0000	22.18	0.00	0
OUTFALL (88th)	025Yr-072Hr	8.00	1.20	0.0000	29.13	0.00	0
OUTFALL	100Yr-072Hr	8.00	1.20	0.0000	34.17	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(88th)							

Node: OUTFALL (89th)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (89th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	010Yr-024Hr	8.00	1.60	0.0000	0.02	0.00	0
OUTFALL (89th)	025Yr-072Hr	8.00	1.60	0.0000	2.60	0.00	0
OUTFALL (89th)	100Yr-072Hr	8.00	1.60	0.0000	10.23	0.00	0

Node: OUTFALL (91st) - A

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - A	005Yr-001Hr	8.00	1.60	0.0000	12.92	0.00	0
OUTFALL (91st) - A	005Yr-024Hr	8.00	1.60	0.0000	25.22	0.00	0
OUTFALL (91st) - A	010Yr-024Hr	8.00	1.60	0.0000	35.20	0.00	0
OUTFALL (91st) - A	025Yr-072Hr	8.00	1.60	0.0000	38.86	0.00	0
OUTFALL (91st) - A	100Yr-072Hr	8.00	1.60	0.0000	52.20	0.00	0

Node: OUTFALL (91st) - B

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - B	005Yr-001Hr	8.00	1.60	0.0000	12.69	0.00	0
OUTFALL	005Yr-024Hr	8.00	1.60	0.0000	19.74	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(91st) - B							
OUTFALL (91st) - B	010Yr-024Hr	8.00	1.60	0.0000	24.59	0.00	0
OUTFALL (91st) - B	025Yr-072Hr	8.00	1.60	0.0000	27.49	0.00	0
OUTFALL (91st) - B	100Yr-072Hr	8.00	1.60	0.0000	40.34	0.00	0

Node: OUTFALL (92nd)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (92nd)	005Yr-001Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	005Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	010Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	025Yr-072Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	100Yr-072Hr	8.00	1.60	0.0000	20.37	0.00	0

Node: OUTFALL (94th)

Scenario: OPTION 4

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.01	0.00	0
OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	1.13	0.00	0
OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	11.18	0.00	0
OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	42.48	0.00	0

Node: OUTFALL (95th)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (95th)	005Yr-001Hr	8.00	1.60	0.0000	6.66	0.00	0
OUTFALL (95th)	005Yr-024Hr	8.00	1.60	0.0000	8.25	0.00	0
OUTFALL (95th)	010Yr-024Hr	8.00	1.60	0.0000	23.82	0.00	0
OUTFALL (95th)	025Yr-072Hr	8.00	1.60	0.0000	35.14	0.00	0
OUTFALL (95th)	100Yr-072Hr	8.00	1.60	0.0000	51.86	0.00	0

Node: OUTFALL (96th)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (96th)	005Yr-001Hr	8.00	1.60	0.0000	11.20	0.00	0
OUTFALL (96th)	005Yr-024Hr	8.00	1.60	0.0000	13.26	0.00	0
OUTFALL (96th)	010Yr-024Hr	8.00	1.60	0.0000	17.53	0.00	0
OUTFALL (96th)	025Yr-072Hr	8.00	1.60	0.0000	20.04	0.00	0
OUTFALL (96th)	100Yr-072Hr	8.00	1.60	0.0000	24.36	0.00	0

Node: OUTFALL (CARLYLE)

Scenario: OPTION 4
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 4]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	25.75	0.00	0
OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	31.38	0.00	0
OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	35.93	0.00	0
OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	37.02	0.00	0
OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	39.55	0.00	0

Drop Structure Link: CS-01

Scenario: OPTION 4
From Node: NZA-CS-01
To Node: NZA-DS1
Link Count: 1
Flow Direction: Both
Solution: Combine
Increments: 0
Pipe Count: 1
Damping: 0.0000 ft
Length: 175.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec

Upstream Pipe

Invert: -1.83 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Downstream Pipe

Invert: -1.20 ft
Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Top Clip

Default: 0.00 ft
Op Table:
Ref Node:
Manning's N: 0.0000

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-01 - Pipe	005Yr-001Hr	0.04	0.00	0.03	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-001Hr	0.04	0.00	0.03	0.00	0.00	0.00
CS-01 - Pipe	005Yr-024Hr	0.06	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-024Hr	0.06	0.00	0.05	0.00	0.00	0.00
CS-01 - Pipe	010Yr-024Hr	1.04	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	010Yr-024Hr	1.04	0.00	0.05	1.15	1.15	1.15
CS-01 - Pipe	025Yr-072Hr	3.44	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	025Yr-072Hr	3.44	0.00	0.05	1.71	1.71	1.71
CS-01 - Pipe	100Yr-072Hr	7.18	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	100Yr-072Hr	7.18	0.00	0.05	2.19	2.19	2.19

Drop Structure Link: CS-02		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 4	Invert:	-2.30 ft	Invert:	-1.20 ft
From Node:	NZA-CS-02	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	80.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Pipe	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Pipe	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-024Hr	0.03	0.00	0.02	0.00	0.00	0.00
CS-02 - Pipe	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Pipe	025Yr-072Hr	2.45	0.00	0.04	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Weir: 1	025Yr-072Hr	2.46	0.00	0.04	1.53	1.53	1.53
CS-02 - Pipe	100Yr-072Hr	4.73	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	100Yr-072Hr	4.73	0.00	0.04	1.91	1.91	1.91

Drop Structure Link: CS-03		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 4	Invert:	-4.50 ft	Invert:	-4.70 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	60.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-03 - Pipe	005Yr-001Hr	25.69	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-001Hr	25.69	0.00	0.01	4.89	4.89	4.89
CS-03 - Pipe	005Yr-024Hr	31.35	0.00	-0.02	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-024Hr	31.35	0.00	-0.02	5.97	5.97	5.97
CS-03 - Pipe	010Yr-024Hr	35.91	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	010Yr-024Hr	35.91	0.00	-0.02	6.84	6.84	6.84
CS-03 - Pipe	025Yr-072Hr	36.98	0.00	0.02	0.00	0.00	0.00
CS-03 - Weir: 1	025Yr-072Hr	36.98	0.00	0.03	7.04	7.04	7.04
CS-03 - Pipe	100Yr-072Hr	39.51	0.00	0.02	0.00	0.00	0.00
CS-03 - Weir: 1	100Yr-072Hr	39.51	0.00	0.03	7.52	7.52	7.52

Drop Structure Link: CS-04		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 4	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-CS-04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (95th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	181.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft		

Control Elevation:	2.00 ft
Max Depth:	0.75 ft
Max Width:	7.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-04 - Pipe	005Yr-001Hr	6.66	0.00	0.00	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-001Hr	6.67	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	005Yr-024Hr	8.25	0.00	-0.01	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-024Hr	8.25	0.00	-0.01	2.00	2.00	2.00
CS-04 - Pipe	010Yr-024Hr	9.15	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	010Yr-024Hr	9.15	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	025Yr-072Hr	9.42	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	025Yr-072Hr	9.42	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	100Yr-072Hr	9.98	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	100Yr-072Hr	9.98	0.00	0.04	2.00	2.00	2.00

Drop Structure Link: CS-05		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 4	Invert:	-2.33 ft	Invert:	1.21 ft
From Node:	NZA-CS-05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS0	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	

Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.10 ft	Ref Node:	
Control Elevation:	2.10 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-05 - Pipe	005Yr-001Hr	13.09	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-001Hr	13.09	0.00	0.00	2.49	2.49	2.49
CS-05 - Pipe	005Yr-024Hr	14.79	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-024Hr	14.79	0.00	0.00	2.82	2.82	2.82
CS-05 - Pipe	010Yr-024Hr	14.96	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	010Yr-024Hr	14.96	0.00	0.00	2.85	2.85	2.85
CS-05 - Pipe	025Yr-072Hr	15.08	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	025Yr-072Hr	15.08	0.00	0.00	2.87	2.87	2.87
CS-05 - Pipe	100Yr-072Hr	15.29	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	100Yr-072Hr	15.29	0.00	0.00	2.91	2.91	2.91

Drop Structure Link: CS-06(R3)		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 4	Invert:	-1.88 ft	Invert:	-2.30 ft

From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	153.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	005Yr-001Hr	12.92	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-001Hr	12.92	0.00	0.00	2.66	2.66	2.66
CS-06(R3) - Pipe	005Yr-024Hr	25.22	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-024Hr	25.22	0.00	0.00	4.80	4.80	4.80

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	010Yr-024Hr	35.20	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	010Yr-024Hr	35.20	0.00	0.00	6.70	6.70	6.70
CS-06(R3) - Pipe	025Yr-072Hr	37.69	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	025Yr-072Hr	37.69	0.00	-0.01	7.18	7.18	7.18
CS-06(R3) - Pipe	100Yr-072Hr	39.34	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	100Yr-072Hr	39.34	0.00	0.00	7.49	7.49	7.49

Drop Structure Link: CS-07		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 4	Invert:	-2.19 ft	Invert:	-2.90 ft
From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	213.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft		

Orifice Default: 0.600
Orifice Table:

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-07 - Pipe	005Yr-001Hr	12.69	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-001Hr	12.69	0.00	0.00	2.62	2.62	2.62
CS-07 - Pipe	005Yr-024Hr	19.74	0.00	0.00	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-024Hr	19.74	0.00	0.00	3.76	3.76	3.76
CS-07 - Pipe	010Yr-024Hr	24.59	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	010Yr-024Hr	24.59	0.00	0.00	4.68	4.68	4.68
CS-07 - Pipe	025Yr-072Hr	26.32	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	025Yr-072Hr	26.33	0.00	0.00	5.01	5.01	5.01
CS-07 - Pipe	100Yr-072Hr	27.47	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	100Yr-072Hr	27.47	0.00	0.00	5.23	5.23	5.23

Drop Structure Link: CS-08		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 4	Invert:	-1.58 ft	Invert:	-1.58 ft
From Node:	NZA-I1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (88th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	15.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-08 - Pipe	005Yr-001Hr	6.68	0.00	-0.01	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-001Hr	6.68	0.00	-0.01	2.14	2.14	2.14
CS-08 - Pipe	005Yr-024Hr	14.43	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-024Hr	14.44	0.00	-0.02	2.76	2.76	2.76
CS-08 - Pipe	010Yr-024Hr	22.18	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	010Yr-024Hr	22.18	0.00	-0.02	4.23	4.23	4.23
CS-08 - Pipe	025Yr-072Hr	29.13	0.00	-0.11	0.00	0.00	0.00
CS-08 - Weir: 1	025Yr-072Hr	29.13	0.00	-0.12	5.55	5.55	5.55
CS-08 - Pipe	100Yr-072Hr	30.86	0.00	-0.12	0.00	0.00	0.00
CS-08 - Weir: 1	100Yr-072Hr	30.86	0.00	-0.13	5.88	5.88	5.88

Rating Curve Link: D-00

Scenario:	OPTION 4
From Node:	NZA-PS0
To Node:	OUTFALL (92nd)
Link Count:	1
Flow Direction:	Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0004	1.70		1.60	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D-00	005Yr-001Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	005Yr-024Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	010Yr-024Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	025Yr-072Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	100Yr-072Hr	14.20	0.00	13.98	0.00	0.00	0.00

Rating Curve Link: DW 1-3

Scenario: OPTION 4
From Node: NZA-PS1
To Node: AQUIFER (94th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0001	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 1-3	005Yr-001Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	005Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	010Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	025Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	100Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00

Rating Curve Link: DW 4-6

Scenario: OPTION 4
From Node: NZA-PS2
To Node: AQUIFER (89th)

Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0002	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 4-6	005Yr-001Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	005Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	010Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	025Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	100Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00

Rating Curve Link: DW 7-9

Scenario: OPTION 4
From Node: NZA-PS3
To Node: AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0003	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 7-9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S102-S105

Scenario: OPTION 4

From Node: NZA-S-82
To Node: FDOT AQUIFER (94TH)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-102, S-103, S-104, S-105

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S102-S105	005Yr-001Hr	42.88	0.00	41.54	0.00	0.00	0.00
FDOT DW-S102-S105	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	010Yr-024Hr	42.88	0.00	-42.88	0.00	0.00	0.00
FDOT DW-S102-S105	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	100Yr-072Hr	42.88	0.00	42.88	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S96-S99

Scenario: OPTION 4
From Node: NZA-S-106
To Node: FDOT AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-96, S-97, S-98, S-99

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S96-S99	005Yr-001Hr	42.88	0.00	40.20	0.00	0.00	0.00
FDOT DW-	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S96-S99							
FDOT DW-S96-S99	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	100Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00

Pipe Link: P-A1-A2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.61 ft	Invert:	-1.81 ft
From Node:	NZA-A2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-A2	005Yr-001Hr	4.80	-0.07	0.12	3.91	3.91	3.91
P-A1-A2	005Yr-024Hr	6.20	-0.07	0.12	5.05	5.05	5.05
P-A1-A2	010Yr-024Hr	6.17	-0.07	0.12	5.03	5.03	5.03
P-A1-A2	025Yr-072Hr	6.17	-0.07	0.12	5.02	5.02	5.02
P-A1-A2	100Yr-072Hr	6.16	-0.07	0.12	5.02	5.02	5.02

Pipe Link: P-A1-B1		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-4.90 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	490.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-B1	005Yr-001Hr	4.22	0.00	-0.17	2.39	2.39	2.39
P-A1-B1	005Yr-024Hr	6.81	-0.11	0.26	3.85	3.85	3.85
P-A1-B1	010Yr-024Hr	7.02	-0.09	0.26	3.97	3.97	3.97
P-A1-B1	025Yr-072Hr	6.82	-1.34	0.32	3.86	3.86	3.86
P-A1-B1	100Yr-072Hr	5.98	-1.72	0.26	3.38	3.38	3.38

Pipe Link: P-A1-CS-04		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.81 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-CS-04	005Yr-001Hr	6.67	-0.53	-0.06	3.77	3.77	3.77
P-A1-CS-04	005Yr-024Hr	8.25	-0.73	-0.08	4.67	4.67	4.67
P-A1-CS-04	010Yr-024Hr	9.15	-0.73	-0.08	5.18	5.18	5.18
P-A1-CS-04	025Yr-072Hr	9.42	-0.75	-0.09	5.33	5.33	5.33
P-A1-CS-04	100Yr-072Hr	9.98	-0.74	-0.08	5.65	5.65	5.65

Pipe Link: P-A2-A3		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.54 ft	Invert:	-1.61 ft
From Node:	NZA-A3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A2-A3	005Yr-001Hr	2.75	-0.17	-0.12	2.24	2.24	2.24
P-A2-A3	005Yr-024Hr	4.25	-0.17	-0.12	3.46	3.46	3.46
P-A2-A3	010Yr-024Hr	4.23	-0.17	-0.12	3.45	3.45	3.45
P-A2-A3	025Yr-072Hr	4.11	-0.17	-0.12	3.35	3.35	3.35
P-A2-A3	100Yr-072Hr	4.00	-0.17	-0.12	3.26	3.26	3.26

Pipe Link: P-A3-A4		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.08 ft	Invert:	-1.54 ft
From Node:	NZA-A4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A3-A4	005Yr-001Hr	1.05	-0.98	0.09	0.86	0.86	0.86
P-A3-A4	005Yr-024Hr	2.96	-0.77	0.09	2.41	2.41	2.41
P-A3-A4	010Yr-024Hr	2.86	-0.83	0.09	2.33	2.33	2.33
P-A3-A4	025Yr-072Hr	2.71	-0.76	0.09	2.21	2.21	2.21
P-A3-A4	100Yr-072Hr	2.50	-0.36	0.09	2.04	2.04	2.04

Pipe Link: P-A4-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-0.82 ft	Invert:	-1.08 ft
From Node:	FDOT-1B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	229.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A4-FDOT1B	005Yr-001Hr	0.86	-0.70	0.02	1.59	1.59	1.59
P-A4-FDOT1B	005Yr-024Hr	0.81	-1.32	0.02	-2.43	-2.43	-2.43
P-A4-FDOT1B	010Yr-024Hr	0.78	-1.35	0.02	-2.48	-2.48	-2.48
P-A4-FDOT1B	025Yr-072Hr	0.67	-1.39	0.02	-2.55	-2.55	-2.55
P-A4-FDOT1B	100Yr-072Hr	0.67	-1.43	0.02	-2.62	-2.62	-2.62

Pipe Link: P-AA1-AA2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	117.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA1-AA2	005Yr-001Hr	9.04	0.00	0.00	2.41	2.58	2.50
P-AA1-AA2	005Yr-024Hr	10.66	0.00	0.00	2.58	2.75	2.66
P-AA1-AA2	010Yr-024Hr	14.03	0.00	0.01	2.89	3.07	2.98
P-AA1-AA2	025Yr-072Hr	16.02	0.00	0.01	3.06	3.26	3.16
P-AA1-AA2	100Yr-072Hr	19.43	0.00	0.01	3.34	3.54	3.44

Pipe Link: P-AA2-AA3		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	133.29 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA2-AA3	005Yr-001Hr	7.02	0.00	0.00	1.81	2.64	1.97
P-AA2-AA3	005Yr-024Hr	8.23	0.00	0.01	1.92	2.64	1.97
P-AA2-AA3	010Yr-024Hr	10.81	0.00	0.01	2.17	2.64	2.20
P-AA2-AA3	025Yr-072Hr	12.41	0.00	0.02	2.32	2.64	2.36
P-AA2-AA3	100Yr-072Hr	15.10	0.00	0.02	2.55	2.64	2.59

Pipe Link: P-AA3-AA4		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	0.00 ft	Invert:	0.00 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.03 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA3-AA4	005Yr-001Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	005Yr-024Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	010Yr-024Hr	7.79	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	025Yr-072Hr	8.91	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	100Yr-072Hr	10.94	0.00	1.64	1.55	1.55	1.55

Pipe Link: P-AA4-AA5		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	126.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA4-AA5	005Yr-001Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	005Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	010Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	025Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	100Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88

Pipe Link: P-AA5-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-1B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	626.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA5-FDOT1B	005Yr-001Hr	0.87	-1.32	0.00	-2.41	3.23	-2.42
P-AA5-FDOT1B	005Yr-024Hr	0.87	-1.33	0.00	-2.44	3.23	-2.46
P-AA5-FDOT1B	010Yr-024Hr	0.87	-1.32	0.00	-2.42	3.23	-2.43
P-AA5-FDOT1B	025Yr-072Hr	0.87	-1.42	0.00	-2.60	3.23	-2.60
P-AA5-FDOT1B	100Yr-072Hr	0.87	-1.48	0.00	-2.71	3.23	-2.71

Pipe Link: P-AA7-A4		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA7-A4	005Yr-001Hr	0.00	-3.19	-0.01	-2.60	-2.60	-2.60
P-AA7-A4	005Yr-024Hr	2.68	-2.11	-0.01	2.18	2.18	2.18
P-AA7-A4	010Yr-024Hr	2.38	-1.87	-0.01	1.94	1.94	1.94
P-AA7-A4	025Yr-072Hr	2.15	-1.12	-0.01	1.75	1.75	1.75
P-AA7-A4	100Yr-072Hr	1.59	-1.18	0.02	1.30	1.30	1.30

Pipe Link: P-B1-B2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-4.86 ft	Invert:	-4.90 ft
From Node:	NZA-B2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-B2	005Yr-001Hr	15.24	-3.68	1.71	3.10	3.10	3.10
P-B1-B2	005Yr-024Hr	20.09	-4.93	2.00	4.09	4.09	4.09
P-B1-B2	010Yr-024Hr	23.69	-4.89	1.92	4.83	4.83	4.83
P-B1-B2	025Yr-072Hr	23.38	-4.87	2.02	4.76	4.76	4.76
P-B1-B2	100Yr-072Hr	23.35	-4.74	2.02	4.76	4.76	4.76

Pipe Link: P-B1-CS-01		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.75 ft	Invert:	-2.83 ft
From Node:	NZA-B1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-CS-01	005Yr-001Hr	32.91	-0.59	2.11	6.70	6.70	6.70
P-B1-CS-01	005Yr-024Hr	37.57	-0.59	2.34	7.65	7.65	7.65
P-B1-CS-01	010Yr-024Hr	40.64	-0.59	2.33	8.28	8.28	8.28
P-B1-CS-01	025Yr-072Hr	43.04	-0.59	2.35	8.77	8.77	8.77
P-B1-CS-01	100Yr-072Hr	46.78	-0.59	2.32	9.53	9.53	9.53

Pipe Link: P-B2-B3		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-4.54 ft	Invert:	-4.86 ft
From Node:	NZA-B3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B2-B3	005Yr-001Hr	5.99	-4.31	0.66	1.91	1.91	1.91
P-B2-B3	005Yr-024Hr	9.08	-4.90	0.91	2.89	2.89	2.89
P-B2-B3	010Yr-024Hr	13.26	-4.89	0.93	4.22	4.22	4.22
P-B2-B3	025Yr-072Hr	9.55	-4.88	0.98	3.04	3.04	3.04
P-B2-B3	100Yr-072Hr	9.56	-5.59	0.97	3.04	3.04	3.04

Pipe Link: P-B3-B4		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-3.77 ft	Invert:	-4.54 ft
From Node:	NZA-B4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B3-B4	005Yr-001Hr	2.65	-4.90	-0.73	-1.56	-1.56	-1.56
P-B3-B4	005Yr-024Hr	3.47	-5.07	-0.76	-1.61	-1.61	-1.61
P-B3-B4	010Yr-024Hr	7.47	-5.07	-0.78	2.38	2.38	2.38
P-B3-B4	025Yr-072Hr	11.21	-5.25	-0.79	3.57	3.57	3.57
P-B3-B4	100Yr-072Hr	11.65	-9.28	-0.77	3.71	3.71	3.71

Pipe Link: P-B4-C2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	0.58 ft	Invert:	-0.46 ft
From Node:	NZA-C2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	628.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B4-C2	005Yr-001Hr	1.75	-0.01	0.05	3.20	3.20	3.20
P-B4-C2	005Yr-024Hr	1.85	-0.01	0.05	3.40	3.40	3.40
P-B4-C2	010Yr-024Hr	1.85	-0.01	0.05	3.39	3.39	3.39
P-B4-C2	025Yr-072Hr	1.85	-0.01	0.05	3.39	3.39	3.39
P-B4-C2	100Yr-072Hr	1.85	-0.01	0.05	3.39	3.39	3.39

Pipe Link: P-C1-B1		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.88 ft	Invert:	-2.60 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	674.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-B1	005Yr-001Hr	5.30	-0.15	-0.15	3.00	3.00	3.00
P-C1-B1	005Yr-024Hr	6.83	-0.15	0.21	3.87	3.87	3.87
P-C1-B1	010Yr-024Hr	7.74	-0.15	0.21	4.38	4.38	4.38
P-C1-B1	025Yr-072Hr	8.10	-0.15	0.25	4.58	4.58	4.58
P-C1-B1	100Yr-072Hr	8.21	-0.15	0.23	4.65	4.65	4.65

Pipe Link: P-C1-D2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.60 ft	Invert:	-2.05 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	715.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-D2	005Yr-001Hr	1.70	-2.46	0.09	-1.39	-1.39	-1.39
P-C1-D2	005Yr-024Hr	2.23	-4.63	0.09	-2.62	-2.62	-2.62
P-C1-D2	010Yr-024Hr	2.41	-4.74	0.09	-2.69	-2.69	-2.69
P-C1-D2	025Yr-072Hr	2.35	-4.93	-0.14	-2.79	-2.79	-2.79
P-C1-D2	100Yr-072Hr	1.22	-4.90	-0.14	-2.77	-2.77	-2.77

Pipe Link: P-CS-TOWN-AA1		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-TOWN	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-TOWN-AA1	005Yr-001Hr	11.20	0.00	0.00	3.20	3.67	3.44
P-CS-TOWN-AA1	005Yr-024Hr	13.26	0.00	0.00	3.42	3.91	3.66
P-CS-TOWN-AA1	010Yr-024Hr	17.53	0.00	0.00	3.83	4.34	4.08
P-CS-TOWN-AA1	025Yr-072Hr	20.04	0.00	0.00	4.05	4.57	4.31
P-CS-TOWN-AA1	100Yr-072Hr	24.36	0.00	-0.01	4.40	4.95	4.68

Pipe Link: P-CS3-S3		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS3-S3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-D1-CS-05		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.50 ft	Invert:	-2.70 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-05	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-CS-05	005Yr-001Hr	13.10	-0.04	-0.10	4.17	4.17	4.17
P-D1-CS-05	005Yr-024Hr	14.81	-0.09	0.30	4.72	4.72	4.72
P-D1-CS-05	010Yr-024Hr	14.99	-0.08	-0.30	4.77	4.77	4.77
P-D1-CS-05	025Yr-072Hr	15.13	-0.10	0.30	4.81	4.81	4.81
P-D1-CS-05	100Yr-072Hr	15.35	-0.10	-0.62	4.89	4.89	4.89

Pipe Link: P-D1-D2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.05 ft	Invert:	-2.35 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-D2	005Yr-001Hr	13.03	-0.10	0.18	4.15	4.15	4.15
P-D1-D2	005Yr-024Hr	15.10	-0.10	-0.26	4.81	4.81	4.81
P-D1-D2	010Yr-024Hr	15.01	-0.10	0.30	4.78	4.78	4.78
P-D1-D2	025Yr-072Hr	15.17	-0.16	-0.34	4.83	4.83	4.83
P-D1-D2	100Yr-072Hr	15.52	-0.13	-0.31	4.94	4.94	4.94

Pipe Link: P-D1-E1		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.35 ft	Invert:	-2.90 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	694.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-E1	005Yr-001Hr	3.06	-0.06	-0.03	1.73	1.73	1.73
P-D1-E1	005Yr-024Hr	5.37	-0.06	-0.05	3.04	3.04	3.04
P-D1-E1	010Yr-024Hr	5.36	-0.06	-0.05	3.03	3.03	3.03
P-D1-E1	025Yr-072Hr	5.38	-0.07	-0.07	3.04	3.04	3.04
P-D1-E1	100Yr-072Hr	5.40	-0.06	0.09	3.05	3.05	3.05

Pipe Link: P-D2-D3		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.70 ft	Invert:	-2.05 ft
From Node:	NZA-D3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-D3	005Yr-001Hr	9.33	-0.03	-0.34	2.97	2.97	2.97
P-D2-D3	005Yr-024Hr	13.58	-0.03	0.41	4.32	4.32	4.32
P-D2-D3	010Yr-024Hr	13.60	-0.03	-0.36	4.33	4.33	4.33
P-D2-D3	025Yr-072Hr	13.49	-0.03	0.53	4.29	4.29	4.29
P-D2-D3	100Yr-072Hr	13.53	-0.03	-0.55	4.31	4.31	4.31

Pipe Link: P-D2-E3		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.70 ft	Invert:	-2.10 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.83 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-E3	005Yr-001Hr	0.45	-4.21	0.08	-1.75	-1.75	-1.75
P-D2-E3	005Yr-024Hr	2.36	-4.93	0.15	-2.05	-2.05	-2.05
P-D2-E3	010Yr-024Hr	2.27	-5.46	-0.17	-2.27	-2.27	-2.27
P-D2-E3	025Yr-072Hr	2.09	-6.07	-0.20	-2.53	-2.53	-2.53
P-D2-E3	100Yr-072Hr	1.80	-6.13	0.16	-2.55	-2.55	-2.55

Pipe Link: P-D3-D4		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.33 ft	Invert:	-2.70 ft
From Node:	NZA-D4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D3-D4	005Yr-001Hr	7.43	-0.01	0.34	2.37	2.37	2.37
P-D3-D4	005Yr-024Hr	12.06	-0.01	-0.30	3.84	3.84	3.84
P-D3-D4	010Yr-024Hr	11.96	-0.01	0.33	3.81	3.81	3.81
P-D3-D4	025Yr-072Hr	11.77	-0.01	-0.46	3.75	3.75	3.75
P-D3-D4	100Yr-072Hr	11.52	-0.01	0.44	3.67	3.67	3.67

Pipe Link: P-D4-D5		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.43 ft	Invert:	-2.33 ft
From Node:	NZA-D5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D4-D5	005Yr-001Hr	6.62	-0.01	-0.26	2.11	2.11	2.11
P-D4-D5	005Yr-024Hr	9.84	-0.01	0.20	3.13	3.13	3.13
P-D4-D5	010Yr-024Hr	9.61	-0.01	-0.20	3.06	3.06	3.06
P-D4-D5	025Yr-072Hr	9.42	-0.01	0.30	3.00	3.00	3.00
P-D4-D5	100Yr-072Hr	8.59	-0.01	-0.31	2.73	2.73	2.73

Pipe Link: P-D5-D6		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.42 ft	Invert:	-2.43 ft
From Node:	NZA-D6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	301.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D5-D6	005Yr-001Hr	3.40	-0.64	0.13	1.08	1.08	1.08
P-D5-D6	005Yr-024Hr	8.62	-0.01	0.07	2.75	2.75	2.75
P-D5-D6	010Yr-024Hr	8.31	-0.01	-0.08	2.65	2.65	2.65
P-D5-D6	025Yr-072Hr	8.06	-0.01	-0.16	2.57	2.57	2.57
P-D5-D6	100Yr-072Hr	5.99	-0.01	0.12	1.91	1.91	1.91

Pipe Link: P-D6-D7		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.42 ft	Invert:	-2.42 ft
From Node:	NZA-D7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D6-D7	005Yr-001Hr	1.13	-6.96	-0.03	-2.22	-2.22	-2.22
P-D6-D7	005Yr-024Hr	7.04	-3.95	-0.08	2.24	2.24	2.24
P-D6-D7	010Yr-024Hr	6.56	-1.95	-0.07	2.09	2.09	2.09
P-D6-D7	025Yr-072Hr	6.23	-0.22	-0.10	1.98	1.98	1.98
P-D6-D7	100Yr-072Hr	2.00	0.00	0.08	0.64	0.64	0.64

Pipe Link: P-DS1-OUTFALL (94TH)		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.20 ft	Invert:	-3.12 ft
From Node:	NZA-DS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS1-OUTFALL (94TH)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	005Yr-024Hr	0.01	0.00	0.01	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	010Yr-024Hr	1.13	0.00	0.15	0.23	0.23	0.23
P-DS1-OUTFALL (94TH)	025Yr-072Hr	3.65	0.00	-0.37	0.74	0.74	0.74
P-DS1-OUTFALL (94TH)	100Yr-072Hr	7.32	0.00	0.36	1.49	1.49	1.49

Pipe Link: P-DS2-OUTFALL	Upstream	Downstream

Scenario:	OPTION 4	Invert:	-1.20 ft	Invert:	-2.47 ft
From Node:	NZA-DS2	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (89th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	010Yr-024Hr	0.02	0.00	0.01	0.01	0.01	0.01
P-DS2-OUTFALL	025Yr-072Hr	2.60	0.00	0.23	0.83	0.83	0.83
P-DS2-OUTFALL	100Yr-072Hr	4.85	0.00	0.22	1.54	1.54	1.54

Pipe Link: P-DS3-OUTFALL(CARLYLE)		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-4.70 ft	Invert:	-4.00 ft
From Node:	NZA-DS3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	11.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	

Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS3-OUTFALL(CARLYLE)	005Yr-001Hr	25.75	0.00	-10.25	3.64	3.64	3.64
P-DS3-OUTFALL(CARLYLE)	005Yr-024Hr	31.38	0.00	10.52	4.44	4.44	4.44
P-DS3-OUTFALL(CARLYLE)	010Yr-024Hr	35.93	0.00	10.56	5.08	5.08	5.08
P-DS3-OUTFALL(CARLYLE)	025Yr-072Hr	37.02	0.00	10.49	5.24	5.24	5.24
P-DS3-OUTFALL(CARLYLE)	100Yr-072Hr	39.55	0.00	10.55	5.59	5.59	5.59

Pipe Link: P-E1-E2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.57 ft	Invert:	-2.18 ft
From Node:	NZA-E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	230.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	005Yr-001Hr	15.44	-0.02	0.04	4.92	4.92	4.92
P-E1-E2	005Yr-024Hr	19.67	-0.02	0.20	6.26	6.26	6.26
P-E1-E2	010Yr-024Hr	19.45	-0.02	0.22	6.19	6.19	6.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	025Yr-072Hr	19.49	-0.02	0.25	6.21	6.21	6.21
P-E1-E2	100Yr-072Hr	19.56	-0.02	0.22	6.23	6.23	6.23

Pipe Link: P-E1-F1		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.90 ft	Invert:	-2.71 ft
From Node:	NZA-F1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	692.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-F1	005Yr-001Hr	2.39	-1.36	-0.01	1.35	1.35	1.35
P-E1-F1	005Yr-024Hr	3.42	-1.92	0.05	1.93	1.93	1.93
P-E1-F1	010Yr-024Hr	3.25	-1.87	0.05	1.84	1.84	1.84
P-E1-F1	025Yr-072Hr	2.87	-1.75	0.05	1.63	1.63	1.63
P-E1-F1	100Yr-072Hr	2.55	-1.70	0.08	1.44	1.44	1.44

Pipe Link: P-E2-E3		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-0.45 ft	Invert:	-1.57 ft
From Node:	NZA-E3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E2-E3	005Yr-001Hr	8.95	-0.03	0.06	2.85	2.85	2.85
P-E2-E3	005Yr-024Hr	13.55	-0.03	0.23	4.31	4.31	4.31
P-E2-E3	010Yr-024Hr	13.52	-0.03	0.30	4.30	4.30	4.30
P-E2-E3	025Yr-072Hr	13.61	-0.06	0.27	4.33	4.33	4.33
P-E2-E3	100Yr-072Hr	13.58	-0.04	0.27	4.32	4.32	4.32

Pipe Link: P-E3-E4		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.57 ft	Invert:	-0.45 ft
From Node:	NZA-E4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	283.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	005Yr-001Hr	6.80	-0.02	0.17	2.17	3.85	3.01
P-E3-E4	005Yr-024Hr	9.72	-0.03	0.27	3.09	5.50	4.30
P-E3-E4	010Yr-024Hr	9.74	-0.03	0.26	3.10	5.51	4.31

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	025Yr-072Hr	9.69	-0.03	-0.27	3.09	5.49	4.29
P-E3-E4	100Yr-072Hr	9.71	-0.03	0.27	3.09	5.49	4.29

Pipe Link: P-E4-E5		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.57 ft	Invert:	-1.57 ft
From Node:	NZA-E5	Manning's N:	0.0012	Manning's N:	0.0012
To Node:	NZA-E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	277.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E4-E5	005Yr-001Hr	9.32	-0.02	-8.99	2.97	2.97	2.97
P-E4-E5	005Yr-024Hr	18.71	-0.29	-12.93	5.96	5.96	5.96
P-E4-E5	010Yr-024Hr	20.83	-0.41	-13.49	6.63	6.63	6.63
P-E4-E5	025Yr-072Hr	21.36	-0.47	-13.29	6.80	6.80	6.80
P-E4-E5	100Yr-072Hr	21.92	-0.40	-13.12	6.98	6.98	6.98

Pipe Link: P-E5-E6		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.79 ft	Invert:	-1.57 ft
From Node:	NZA-E6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.25 ft	Max Depth:	2.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E5-E6	005Yr-001Hr	3.44	-3.45	0.73	-0.87	-0.87	-0.87
P-E5-E6	005Yr-024Hr	7.89	-3.01	0.76	1.98	1.98	1.98
P-E5-E6	010Yr-024Hr	7.81	-2.32	0.77	1.96	1.96	1.96
P-E5-E6	025Yr-072Hr	7.50	-0.02	0.82	1.89	1.89	1.89
P-E5-E6	100Yr-072Hr	7.44	-0.02	0.63	1.87	1.87	1.87

Pipe Link: P-E6-E7		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.89 ft	Invert:	-1.79 ft
From Node:	NZA-E7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	005Yr-001Hr	2.08	-1.99	0.03	1.18	1.18	1.18
P-E6-E7	005Yr-024Hr	5.17	-1.52	0.06	2.93	2.93	2.93
P-E6-E7	010Yr-024Hr	5.06	-0.84	0.05	2.86	2.86	2.86

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	025Yr-072Hr	4.92	-0.01	0.06	2.78	2.78	2.78
P-E6-E7	100Yr-072Hr	4.76	-0.01	0.06	2.69	2.69	2.69

Pipe Link: P-E7-E8		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-0.69 ft	Invert:	-1.89 ft
From Node:	NZA-E8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E7-E8	005Yr-001Hr	1.00	-0.81	-0.01	1.27	1.27	1.27
P-E7-E8	005Yr-024Hr	2.53	-0.66	0.01	3.23	3.23	3.23
P-E7-E8	010Yr-024Hr	2.51	-0.33	0.01	3.19	3.19	3.19
P-E7-E8	025Yr-072Hr	2.47	0.00	-0.02	3.14	3.14	3.14
P-E7-E8	100Yr-072Hr	2.36	0.00	0.02	3.00	3.00	3.00

Pipe Link: P-F1-F2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.66 ft	Invert:	-1.36 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-F2	005Yr-001Hr	2.45	-0.14	-0.01	3.12	3.12	3.12
P-F1-F2	005Yr-024Hr	2.42	-0.24	-0.01	3.08	3.08	3.08
P-F1-F2	010Yr-024Hr	2.43	-0.24	-0.01	3.09	3.09	3.09
P-F1-F2	025Yr-072Hr	2.43	-0.57	-0.01	3.10	3.10	3.10
P-F1-F2	100Yr-072Hr	2.39	-0.75	-0.02	3.04	3.04	3.04

Pipe Link: P-F1-G1		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.71 ft	Invert:	-2.80 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	119.25 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	005Yr-001Hr	1.17	-2.28	-0.05	-1.29	-1.29	-1.29
P-F1-G1	005Yr-024Hr	1.69	-3.78	0.09	-2.14	-2.14	-2.14
P-F1-G1	010Yr-024Hr	3.09	-4.70	-0.08	-2.66	-2.66	-2.66

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	025Yr-072Hr	3.76	-4.95	-0.09	-2.80	-2.80	-2.80
P-F1-G1	100Yr-072Hr	4.10	-5.30	-0.10	-3.00	-3.00	-3.00

Pipe Link: P-F2-F3		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	0.36 ft	Invert:	-1.66 ft
From Node:	NZA-F3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-F3	005Yr-001Hr	1.79	0.00	0.00	2.27	2.27	2.27
P-F2-F3	005Yr-024Hr	2.52	-0.09	0.03	3.21	3.21	3.21
P-F2-F3	010Yr-024Hr	2.49	-0.09	0.03	3.17	3.17	3.17
P-F2-F3	025Yr-072Hr	2.44	-0.09	0.03	3.11	3.11	3.11
P-F2-F3	100Yr-072Hr	2.36	-0.09	0.03	3.00	3.00	3.00

Pipe Link: P-F2-G2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.65 ft	Invert:	-1.65 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	495.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-G2	005Yr-001Hr	1.82	0.00	0.02	2.32	2.32	2.32
P-F2-G2	005Yr-024Hr	2.19	0.00	0.06	2.78	2.78	2.78
P-F2-G2	010Yr-024Hr	2.17	0.00	0.07	2.76	2.76	2.76
P-F2-G2	025Yr-072Hr	2.17	-0.01	0.08	2.76	2.76	2.76
P-F2-G2	100Yr-072Hr	2.17	-0.01	0.07	2.77	2.77	2.77

Pipe Link: P-F4-F5		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	0.51 ft	Invert:	1.47 ft
From Node:	NZA-F5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	005Yr-001Hr	0.58	0.00	0.00	1.06	1.06	1.06
P-F4-F5	005Yr-024Hr	0.59	-0.01	0.00	1.09	1.09	1.09
P-F4-F5	010Yr-024Hr	0.62	-0.01	0.00	1.13	1.13	1.13

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	025Yr-072Hr	0.63	0.00	0.00	1.16	1.16	1.16
P-F4-F5	100Yr-072Hr	0.62	-0.01	0.00	1.14	1.14	1.14

Pipe Link: P-F4-G4		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	1.47 ft	Invert:	1.47 ft
From Node:	NZA-F4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	510.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-G4	005Yr-001Hr	1.01	-0.48	0.00	1.86	1.90	1.88
P-F4-G4	005Yr-024Hr	1.67	-0.45	0.00	3.06	3.19	3.11
P-F4-G4	010Yr-024Hr	1.67	-0.48	0.00	3.06	3.16	3.10
P-F4-G4	025Yr-072Hr	1.64	-0.12	0.00	3.00	3.11	3.04
P-F4-G4	100Yr-072Hr	1.64	-0.02	0.00	3.01	3.04	3.03

Pipe Link: P-F5-F6		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-F6	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-F5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F5-F6	005Yr-001Hr	0.58	-1.58	-0.02	-0.89	-0.89	-0.89
P-F5-F6	005Yr-024Hr	1.39	-1.48	0.01	-0.84	-0.84	-0.84
P-F5-F6	010Yr-024Hr	1.93	-1.44	-0.02	1.09	1.09	1.09
P-F5-F6	025Yr-072Hr	0.81	-1.43	0.02	-0.81	-0.81	-0.81
P-F5-F6	100Yr-072Hr	1.77	-1.43	0.02	1.00	1.00	1.00

Pipe Link: P-F6-F7		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	0.25 ft	Invert:	-2.00 ft
From Node:	NZA-F7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	271.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	005Yr-001Hr	1.40	-0.91	0.00	1.79	1.79	1.79
P-F6-F7	005Yr-024Hr	1.13	-2.12	0.00	-2.70	-2.70	-2.70
P-F6-F7	010Yr-024Hr	0.91	-2.04	0.01	-2.60	-2.60	-2.60

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	025Yr-072Hr	0.47	-1.99	0.01	-2.53	-2.53	-2.53
P-F6-F7	100Yr-072Hr	0.30	-1.60	0.01	-2.03	-2.03	-2.03

Pipe Link: P-F7-F8		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.17 ft	Invert:	0.25 ft
From Node:	NZA-F8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	303.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F7-F8	005Yr-001Hr	0.00	-1.73	0.00	-2.21	-2.21	-2.21
P-F7-F8	005Yr-024Hr	0.02	-2.99	0.01	-3.81	-3.81	-3.81
P-F7-F8	010Yr-024Hr	0.14	-2.97	0.00	-3.79	-3.79	-3.79
P-F7-F8	025Yr-072Hr	0.01	-2.92	0.01	-3.72	-3.72	-3.72
P-F7-F8	100Yr-072Hr	0.00	-2.95	0.01	-3.75	-3.75	-3.75

Pipe Link: P-F8-F9		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.83 ft	Invert:	-2.17 ft
From Node:	NZA-F9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	321.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-F9	005Yr-001Hr	1.70	0.00	0.00	2.16	2.16	2.16
P-F8-F9	005Yr-024Hr	2.52	0.00	-0.01	3.20	3.20	3.20
P-F8-F9	010Yr-024Hr	2.54	0.00	0.00	3.24	3.24	3.24
P-F8-F9	025Yr-072Hr	2.51	-0.15	0.01	3.19	3.19	3.19
P-F8-F9	100Yr-072Hr	2.35	-0.15	-0.01	2.99	2.99	2.99

Pipe Link: P-F8-G8		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	0.88 ft	Invert:	0.61 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	525.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	005Yr-001Hr	0.04	-3.02	0.00	-0.43	-0.43	-0.43
P-F8-G8	005Yr-024Hr	0.01	-4.85	-0.01	-0.69	-0.69	-0.69
P-F8-G8	010Yr-024Hr	0.01	-6.37	0.01	-0.90	-0.90	-0.90

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	025Yr-072Hr	0.00	-6.65	0.01	-0.94	-0.94	-0.94
P-F8-G8	100Yr-072Hr	0.00	-7.06	-0.01	-1.00	-1.00	-1.00

Pipe Link: P-FDOT-1A-2A		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-4.86 ft	Invert:	-3.43 ft
From Node:	FDOT-1A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-2A	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.42 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-1A-2A	005Yr-001Hr	3.37	-2.85	-0.76	1.07	1.07	1.07
P-FDOT-1A-2A	005Yr-024Hr	2.91	-3.20	-0.76	-1.02	-1.02	-1.02
P-FDOT-1A-2A	010Yr-024Hr	2.90	-3.36	-0.76	-1.07	-1.07	-1.07
P-FDOT-1A-2A	025Yr-072Hr	3.86	-2.85	-0.76	1.23	1.23	1.23
P-FDOT-1A-2A	100Yr-072Hr	5.29	-3.06	-0.76	1.68	1.68	1.68

Pipe Link: P-FDOT-2A-3A		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-3.43 ft	Invert:	-2.16 ft
From Node:	FDOT-2A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3A	Geometry:	Circular	Geometry:	Circular

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	235.86 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2A-3A	005Yr-001Hr	3.44	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	005Yr-024Hr	8.42	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	010Yr-024Hr	9.83	-9.60	-4.15	1.39	1.39	1.39
P-FDOT-2A-3A	025Yr-072Hr	10.54	-9.60	-4.15	1.49	1.49	1.49
P-FDOT-2A-3A	100Yr-072Hr	15.15	-9.60	-4.15	2.14	2.14	2.14

Pipe Link: P-FDOT-2B-3B		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.97 ft	Invert:	-4.38 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	657.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-3 B	005Yr-001Hr	9.82	-7.25	3.06	1.02	1.02	1.02
P-FDOT-2B-3 B	005Yr-024Hr	9.82	-8.53	3.06	1.02	1.02	1.02
P-FDOT-2B-3 B	010Yr-024Hr	9.82	-11.79	3.06	-1.23	-1.23	-1.23
P-FDOT-2B-3 B	025Yr-072Hr	9.82	-14.25	3.06	-1.48	-1.48	-1.48
P-FDOT-2B-3 B	100Yr-072Hr	9.82	-16.10	3.06	-1.67	-1.67	-1.67

Pipe Link: P-FDOT-2B-B4		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.97 ft	Invert:	-3.77 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.04 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-B 4	005Yr-001Hr	1.86	-17.90	0.96	-5.70	-5.70	-5.70
P-FDOT-2B-B 4	005Yr-024Hr	2.80	-23.04	1.14	-7.33	-7.33	-7.33
P-FDOT-2B-B 4	010Yr-024Hr	2.79	-28.41	-1.20	-9.04	-9.04	-9.04
P-FDOT-2B-B 4	025Yr-072Hr	2.87	-30.54	-1.31	-9.72	-9.72	-9.72
P-FDOT-2B-B	100Yr-072Hr	2.81	-31.39	-1.28	-9.99	-9.99	-9.99

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
4							

Pipe Link: P-FDOT-3A-4A		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.16 ft	Invert:	-7.00 ft
From Node:	FDOT-3A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-4A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	264.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3A-4A	005Yr-001Hr	7.00	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	005Yr-024Hr	11.24	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	010Yr-024Hr	14.92	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	025Yr-072Hr	16.05	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	100Yr-072Hr	22.52	-28.26	4.31	-2.94	-2.94	-2.94

Pipe Link: P-FDOT-3B-4B		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-4.38 ft	Invert:	-5.00 ft
From Node:	FDOT-5B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.53 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3B-4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-FDOT-4B-5B		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-5.00 ft	Invert:	-4.16 ft
From Node:	FDOT-4B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.31 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-4B-5 B	005Yr-001Hr	0.31	-3.31	-0.06	-0.67	-0.67	-0.67
P-FDOT-4B-5 B	005Yr-024Hr	3.92	-2.97	0.06	0.80	0.80	0.80
P-FDOT-4B-5 B	010Yr-024Hr	4.93	-1.17	0.06	1.00	1.00	1.00
P-FDOT-4B-5 B	025Yr-072Hr	5.12	-0.14	0.05	1.04	1.04	1.04
P-FDOT-4B-5 B	100Yr-072Hr	5.80	-0.19	-0.07	1.18	1.18	1.18

Pipe Link: P-FDOT-S106-S101		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-6.18 ft	Invert:	-9.20 ft
From Node:	NZA-S-106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-S106 -S101	005Yr-001Hr	2.47	-14.45	-6.53	-2.04	-2.04	-2.04
P-FDOT-S106 -S101	005Yr-024Hr	4.13	-14.74	-7.01	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	010Yr-024Hr	5.51	-14.74	-7.02	-2.08	-2.08	-2.08
P-FDOT-S106 -S101	025Yr-072Hr	7.26	-14.77	-7.00	-2.09	-2.09	-2.09
P-FDOT-S106	100Yr-072Hr	10.37	-14.77	-7.04	-2.09	-2.09	-2.09

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
-S101							

Pipe Link: P-FDOT2B - S-82		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-3.45 ft	Invert:	0.00 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	378.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT2B - S-82	005Yr-001Hr	31.78	-29.10	2.24	-6.21	6.35	4.43
P-FDOT2B - S-82	005Yr-024Hr	39.65	-29.10	2.24	-6.21	6.84	5.00
P-FDOT2B - S-82	010Yr-024Hr	47.89	-29.10	2.24	-6.21	7.16	5.39
P-FDOT2B - S-82	025Yr-072Hr	50.61	-29.10	2.24	-6.21	7.21	5.46
P-FDOT2B - S-82	100Yr-072Hr	53.41	-29.10	2.24	-6.21	7.15	5.39

Pipe Link: P-FDOT4A-S106		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	3.81 ft	Invert:	-6.18 ft
From Node:	FDOT-4A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	823.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT4A-S106	005Yr-001Hr	4.42	0.00	0.00	3.85	0.63	2.24
P-FDOT4A-S106	005Yr-024Hr	9.67	0.00	0.00	4.80	1.37	3.08
P-FDOT4A-S106	010Yr-024Hr	15.76	0.00	0.00	5.55	2.23	3.89
P-FDOT4A-S106	025Yr-072Hr	20.75	0.00	0.00	6.06	2.94	4.50
P-FDOT4A-S106	100Yr-072Hr	29.67	0.00	0.00	6.86	4.20	5.53

Pipe Link: P-G1-G2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.80 ft	Invert:	-3.19 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G1-G2	005Yr-001Hr	3.19	-0.03	0.06	1.80	1.80	1.80
P-G1-G2	005Yr-024Hr	4.77	-0.03	0.18	2.70	2.70	2.70
P-G1-G2	010Yr-024Hr	6.31	-0.03	0.19	3.57	3.57	3.57
P-G1-G2	025Yr-072Hr	6.70	-0.81	0.30	3.79	3.79	3.79
P-G1-G2	100Yr-072Hr	6.90	-2.21	0.21	3.90	3.90	3.90

Pipe Link: P-G2-CS-02		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.22 ft	Invert:	-2.30 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-CS-02	005Yr-001Hr	23.60	-0.01	1.35	7.51	7.51	7.51
P-G2-CS-02	005Yr-024Hr	26.74	-0.01	1.78	8.51	8.51	8.51
P-G2-CS-02	010Yr-024Hr	33.02	-0.01	1.64	10.51	10.51	10.51
P-G2-CS-02	025Yr-072Hr	35.45	-0.01	1.80	11.29	11.29	11.29
P-G2-CS-02	100Yr-072Hr	37.72	-0.01	1.69	12.01	12.01	12.01

Pipe Link: P-G2-G3		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-3.38 ft	Invert:	-2.22 ft
From Node:	NZA-G3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-G3	005Yr-001Hr	14.50	-0.91	0.86	4.61	4.61	4.61
P-G2-G3	005Yr-024Hr	15.33	-0.15	0.75	4.88	4.88	4.88
P-G2-G3	010Yr-024Hr	15.26	-0.18	0.58	4.86	4.86	4.86
P-G2-G3	025Yr-072Hr	15.85	-0.09	0.52	5.04	5.04	5.04
P-G2-G3	100Yr-072Hr	15.61	-0.16	0.83	4.97	4.97	4.97

Pipe Link: P-G2-I1		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-3.19 ft	Invert:	-2.93 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	563.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-I1	005Yr-001Hr	2.77	-1.60	-0.22	1.57	1.57	1.57
P-G2-I1	005Yr-024Hr	3.18	-1.59	-0.35	1.80	1.80	1.80
P-G2-I1	010Yr-024Hr	5.37	-1.59	-0.38	3.04	3.04	3.04
P-G2-I1	025Yr-072Hr	6.21	-1.59	-0.38	3.51	3.51	3.51
P-G2-I1	100Yr-072Hr	6.24	-1.59	-0.38	3.53	3.53	3.53

Pipe Link: P-G3-G4		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	1.48 ft	Invert:	-3.38 ft
From Node:	NZA-G4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	270.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G3-G4	005Yr-001Hr	8.56	-1.05	0.14	3.15	2.72	2.72
P-G3-G4	005Yr-024Hr	10.21	-0.15	0.11	3.55	3.25	3.26
P-G3-G4	010Yr-024Hr	11.19	-0.18	0.10	3.56	3.56	3.56
P-G3-G4	025Yr-072Hr	10.34	-0.08	0.09	3.53	3.29	3.29
P-G3-G4	100Yr-072Hr	10.40	-0.11	0.09	3.52	3.31	3.31

Pipe Link: P-G4-G5		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	0.28 ft	Invert:	1.48 ft
From Node:	NZA-G5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G4-G5	005Yr-001Hr	4.49	-0.31	0.01	2.54	2.54	2.54
P-G4-G5	005Yr-024Hr	7.86	-0.09	0.02	4.45	4.45	4.45
P-G4-G5	010Yr-024Hr	7.96	-0.10	-0.01	4.50	4.50	4.50
P-G4-G5	025Yr-072Hr	7.93	-0.05	0.02	4.49	4.49	4.49
P-G4-G5	100Yr-072Hr	7.84	-0.06	0.01	4.44	4.44	4.44

Pipe Link: P-G5-G6		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	0.19 ft	Invert:	0.28 ft
From Node:	NZA-G6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G5-G6	005Yr-001Hr	1.06	-0.42	0.00	1.35	1.35	1.35
P-G5-G6	005Yr-024Hr	2.86	-0.09	0.01	3.64	3.64	3.64
P-G5-G6	010Yr-024Hr	2.85	-0.11	0.01	3.63	3.63	3.63
P-G5-G6	025Yr-072Hr	2.87	-0.05	0.01	3.66	3.66	3.66
P-G5-G6	100Yr-072Hr	2.83	-0.07	0.01	3.60	3.60	3.60

Pipe Link: P-G6-G8		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-0.37 ft	Invert:	0.19 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	550.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-G8	005Yr-001Hr	0.13	-2.44	0.00	-1.38	-1.38	-1.38
P-G6-G8	005Yr-024Hr	1.76	-2.18	0.03	-1.23	-1.23	-1.23
P-G6-G8	010Yr-024Hr	1.82	-1.83	0.03	-1.04	-1.04	-1.04
P-G6-G8	025Yr-072Hr	1.81	-1.56	-0.03	1.03	1.03	1.03
P-G6-G8	100Yr-072Hr	1.65	-0.97	0.03	0.93	0.93	0.93

Pipe Link: P-G6-I7		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.97 ft	Invert:	-3.42 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-I7	005Yr-001Hr	20.01	-0.28	0.00	2.83	2.83	2.83
P-G6-I7	005Yr-024Hr	27.15	-0.09	-1.89	3.84	3.84	3.84
P-G6-I7	010Yr-024Hr	29.73	-0.08	-1.53	4.21	4.21	4.21
P-G6-I7	025Yr-072Hr	31.26	-0.09	-2.23	4.42	4.42	4.42
P-G6-I7	100Yr-072Hr	32.62	-0.11	2.25	4.62	4.62	4.62

Pipe Link: P-G8-G9		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	0.81 ft	Invert:	-0.37 ft
From Node:	NZA-G9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-G9	005Yr-001Hr	6.30	0.00	0.00	2.62	2.62	2.62
P-G8-G9	005Yr-024Hr	6.47	0.00	-0.04	2.69	2.69	2.69
P-G8-G9	010Yr-024Hr	6.39	0.00	0.03	2.66	2.66	2.66
P-G8-G9	025Yr-072Hr	6.50	0.00	0.04	2.70	2.70	2.70
P-G8-G9	100Yr-072Hr	6.27	0.00	-0.04	2.61	2.61	2.61

Pipe Link: P-G8-I7		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.30 ft	Invert:	-1.83 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	570.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-I7	005Yr-001Hr	1.00	-16.36	-0.01	-2.31	-2.31	-2.31
P-G8-I7	005Yr-024Hr	0.16	-16.79	-0.74	-2.38	-2.38	-2.38
P-G8-I7	010Yr-024Hr	0.16	-16.90	0.66	-2.39	-2.39	-2.39
P-G8-I7	025Yr-072Hr	0.16	-17.09	0.81	-2.42	-2.42	-2.42
P-G8-I7	100Yr-072Hr	0.15	-17.63	-0.80	-2.49	-2.49	-2.49

Pipe Link: P-I1-I2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.17 ft	Invert:	-2.32 ft
From Node:	NZA-I2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I1-I2	005Yr-001Hr	1.70	-0.01	0.02	3.12	3.12	3.12
P-I1-I2	005Yr-024Hr	1.97	-0.18	0.04	3.61	3.61	3.61
P-I1-I2	010Yr-024Hr	1.95	-0.18	0.04	3.57	3.57	3.57
P-I1-I2	025Yr-072Hr	1.93	-0.19	0.04	3.54	3.54	3.54
P-I1-I2	100Yr-072Hr	1.91	-0.19	0.04	3.50	3.50	3.50

Pipe Link: P-I3-I4		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-1.54 ft	Invert:	1.02 ft
From Node:	NZA-I4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I3-I4	005Yr-001Hr	0.00	-1.14	-0.01	-0.65	-0.65	-0.65
P-I3-I4	005Yr-024Hr	0.36	-1.01	-0.03	-0.57	-0.57	-0.57
P-I3-I4	010Yr-024Hr	0.41	-1.00	-0.02	-0.57	-0.57	-0.57
P-I3-I4	025Yr-072Hr	0.62	-0.95	0.05	-0.54	-0.54	-0.54
P-I3-I4	100Yr-072Hr	1.65	-0.96	-0.04	0.94	0.94	0.94

Pipe Link: P-I4-I5		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-0.68 ft	Invert:	-1.54 ft
From Node:	NZA-I5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I4-I5	005Yr-001Hr	0.00	-1.24	0.00	-1.58	-1.58	-1.58
P-I4-I5	005Yr-024Hr	0.28	-2.02	-0.01	-2.57	-2.57	-2.57
P-I4-I5	010Yr-024Hr	0.76	-2.01	0.00	-2.55	-2.55	-2.55
P-I4-I5	025Yr-072Hr	0.89	-1.91	-0.01	-2.43	-2.43	-2.43
P-I4-I5	100Yr-072Hr	0.81	-1.91	-0.01	-2.43	-2.43	-2.43

Pipe Link: P-I5-I6		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.97 ft	Invert:	-0.74 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I5-I6	005Yr-001Hr	0.00	-2.39	0.00	-3.04	-3.04	-3.04
P-I5-I6	005Yr-024Hr	0.00	-2.71	0.01	-3.45	-3.45	-3.45
P-I5-I6	010Yr-024Hr	0.00	-2.72	0.01	-3.46	-3.46	-3.46
P-I5-I6	025Yr-072Hr	0.01	-2.69	0.03	-3.42	-3.42	-3.42
P-I5-I6	100Yr-072Hr	0.16	-2.61	-0.02	-3.32	-3.32	-3.32

Pipe Link: P-I6-CS-03		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-3.46 ft	Invert:	-4.50 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I6-CS-03	005Yr-001Hr	25.71	0.00	0.00	3.64	3.64	3.64
P-I6-CS-03	005Yr-024Hr	31.35	0.00	2.44	4.44	4.44	4.44
P-I6-CS-03	010Yr-024Hr	35.91	0.00	2.06	5.08	5.08	5.08
P-I6-CS-03	025Yr-072Hr	36.98	0.00	2.70	5.23	5.23	5.23
P-I6-CS-03	100Yr-072Hr	39.51	0.00	-2.70	5.59	5.59	5.59

Pipe Link: P-I7-I8		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.67 ft	Invert:	-2.97 ft
From Node:	NZA-I8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I7-I8	005Yr-001Hr	5.53	0.00	0.00	3.13	3.13	3.13
P-I7-I8	005Yr-024Hr	6.62	0.00	0.19	3.75	3.75	3.75
P-I7-I8	010Yr-024Hr	6.69	0.00	-0.18	3.79	3.79	3.79
P-I7-I8	025Yr-072Hr	6.67	0.00	0.15	3.77	3.77	3.77
P-I7-I8	100Yr-072Hr	6.47	0.00	0.16	3.66	3.66	3.66

Pipe Link: P-OUTFALL(96th)-CS-TOWN		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-CS-TOWN	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (96th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-OUTFALL(96th)-CS-TOWN	005Yr-001Hr	11.20	0.00	0.00	3.67	5.01	4.34
P-OUTFALL(96th)-CS-TOWN	005Yr-024Hr	13.26	0.00	0.00	3.91	5.27	4.59
P-OUTFALL(96th)-CS-TOWN	010Yr-024Hr	17.53	0.00	0.00	4.34	5.74	5.04
P-OUTFALL(96th)-CS-TOWN	025Yr-072Hr	20.04	0.00	0.00	4.57	5.99	5.28
P-OUTFALL(96th)-CS-TOWN	100Yr-072Hr	24.36	0.00	-0.01	4.95	6.40	5.67

Pipe Link: P-PS1-CS1		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.78 ft	Invert:	-2.75 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

	Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-CS1	005Yr-001Hr	0.30	-36.23	-21.47	-5.12	-5.12	-5.12
P-PS1-CS1	005Yr-024Hr	0.30	-38.58	-27.36	-5.46	-5.46	-5.46
P-PS1-CS1	010Yr-024Hr	0.30	-39.67	-24.79	-5.61	-5.61	-5.61
P-PS1-CS1	025Yr-072Hr	0.30	-39.70	-28.87	-5.62	-5.62	-5.62
P-PS1-CS1	100Yr-072Hr	0.30	-39.71	-26.31	-5.62	-5.62	-5.62

Pipe Link: P-PS1-DS1		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-DS1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS2-CS-02		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	-2.50 ft	Invert:	-2.30 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-CS-02	005Yr-001Hr	0.01	-28.27	22.41	-4.00	-4.00	-4.00
P-PS2-CS-02	005Yr-024Hr	0.17	-29.85	23.45	-4.22	-4.22	-4.22
P-PS2-CS-02	010Yr-024Hr	0.09	-33.08	23.58	-4.68	-4.68	-4.68
P-PS2-CS-02	025Yr-072Hr	0.18	-33.09	23.47	-4.68	-4.68	-4.68
P-PS2-CS-02	100Yr-072Hr	0.42	-33.11	-26.54	-4.68	-4.68	-4.68

Pipe Link: P-PS2-DS2		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-DS2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS3-DS3		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS3-DS3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-S-82 - S-77		Upstream		Downstream	
Scenario:	OPTION 4	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-S-82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-77	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	888.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-S-82 - S-77	005Yr-001Hr	0.28	-0.06	0.01	0.51	1.89	1.20
P-S-82 - S-77	005Yr-024Hr	0.26	-0.28	-0.03	-0.50	-1.87	-1.19
P-S-82 - S-77	010Yr-024Hr	3.06	-1.02	-0.04	1.23	-2.39	1.73
P-S-82 - S-77	025Yr-072Hr	4.69	-1.71	-0.03	1.46	3.05	2.14
P-S-82 - S-77	100Yr-072Hr	6.09	-3.20	-0.03	1.60	3.02	2.19

Drop Structure Link: S-101		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 4	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL	Geometry: Circular		Geometry: Circular	
	(CARLYLE)	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft

Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	1.50 ft
Max Width:	6.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-101 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Drop Structure Link: S-77		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 4	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S-77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	

Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Paved Road Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	8.00 ft	Op Table:	
Control Elevation:	8.00 ft	Ref Node:	
Max Depth:	1.50 ft	Discharge Coefficients	
Max Width:	6.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-77 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-A1-A2

Scenario:	OPTION 4
From Node:	NZA-A1
To Node:	NZA-A2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.61 ft
Control Elevation:	4.61 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-A2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-A2	005Yr-024Hr	0.00	-8.12	0.00	0.00	0.00	0.00
W-A1-A2	010Yr-024Hr	0.00	-17.41	0.00	0.00	0.00	0.00
W-A1-A2	025Yr-072Hr	0.00	-25.21	0.00	0.00	0.00	0.00
W-A1-A2	100Yr-072Hr	0.00	-39.87	-0.01	-3.62	-3.62	-3.62

Weir Link: W-A1-B1

Scenario:	OPTION 4
From Node:	NZA-A1
To Node:	NZA-B1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.38 ft
Control Elevation:	4.38 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	100Yr-072Hr	4.30	-0.02	0.00	1.15	1.15	1.15

Weir Link: W-A1-OUTFALL

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	OUTFALL (95th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.81 ft	Discharge Coefficients	
Control Elevation:	3.81 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	010Yr-024Hr	14.67	0.00	0.00	1.74	1.74	1.74
W-A1-OUTFALL	025Yr-072Hr	25.72	0.00	0.00	2.34	2.34	2.34
W-A1-OUTFALL	100Yr-072Hr	41.88	0.00	0.01	3.81	3.81	3.81

Weir Link: W-A2-A3

Scenario:	OPTION 4
From Node:	NZA-A2
To Node:	NZA-A3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.72 ft
Control Elevation:	4.72 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A2-A3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A2-A3	005Yr-024Hr	0.00	-6.80	0.00	-1.34	-1.34	-1.34
W-A2-A3	010Yr-024Hr	0.00	-12.10	0.00	-1.60	-1.60	-1.60
W-A2-A3	025Yr-072Hr	0.00	-16.70	0.00	-1.72	-1.72	-1.72
W-A2-A3	100Yr-072Hr	0.00	-29.75	-0.21	-2.70	-2.70	-2.70

Weir Link: W-A3-A4

Scenario:	OPTION 4
From Node:	NZA-A4
To Node:	NZA-A3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.41 ft
Control Elevation:	5.41 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A3-A4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	025Yr-072Hr	1.06	0.00	0.00	0.72	0.72	0.72
W-A3-A4	100Yr-072Hr	16.78	0.00	0.00	1.82	1.82	1.82

Weir Link: W-A4-B4

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-A4	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.02 ft	Discharge Coefficients	
Control Elevation:	5.02 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	005Yr-024Hr	1.07	0.00	0.00	0.73	0.73	0.73
W-A4-B4	010Yr-024Hr	5.48	0.00	0.00	1.25	1.25	1.25
W-A4-B4	025Yr-072Hr	13.63	0.00	0.00	1.63	1.63	1.63
W-A4-B4	100Yr-072Hr	15.46	-1.89	-3.73	1.67	1.67	1.67

Weir Link: W-A4-FDOT1B

Scenario:	OPTION 4	Bottom Clip	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.22 ft	Ref Node:	
Control Elevation:	4.22 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-FDOT1 B	005Yr-001Hr	4.37	0.00	0.01	1.16	1.16	1.16
W-A4-FDOT1 B	005Yr-024Hr	3.63	0.00	0.01	1.08	1.08	1.08
W-A4-FDOT1 B	010Yr-024Hr	1.54	0.00	0.00	0.80	0.80	0.80
W-A4-FDOT1 B	025Yr-072Hr	5.62	0.00	0.01	0.51	0.51	0.51
W-A4-FDOT1 B	100Yr-072Hr	9.01	0.00	0.04	0.82	0.82	0.82

Weir Link: W-AA1-AA2

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-AA1	Default:	0.00 ft
To Node:	NZA-AA2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-AA2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA1-OUTFALL(96th)

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-AA1	Default:	0.00 ft
To Node:	OUTFALL (96th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-OUTFALL(96th)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA2-AA3

Scenario:	OPTION 4
From Node:	NZA-AA3
To Node:	NZA-AA2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA2-AA3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA3-AA4

Scenario:	OPTION 4
From Node:	NZA-AA4
To Node:	NZA-AA3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA3-AA4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	100Yr-072Hr	0.02	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA4-AA5

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-AA5	Default:	0.00 ft
To Node:	NZA-AA4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA4-AA5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	100Yr-072Hr	0.10	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA7-A4

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-AA7	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-001Hr	0.00	-12.80	0.01	-1.65	-1.65	-1.65
W-AA7-A4	005Yr-024Hr	2.66	-9.54	-2.08	-1.45	-1.45	-1.45
W-AA7-A4	010Yr-024Hr	2.43	-8.04	-2.08	-0.95	-0.95	-0.95
W-AA7-A4	025Yr-072Hr	2.71	-8.71	-3.23	0.83	0.83	0.83
W-AA7-A4	100Yr-072Hr	3.74	-12.03	-1.11	-1.09	-1.09	-1.09

Weir Link: W-B1-B2

Scenario:	OPTION 4
From Node:	NZA-B1
To Node:	NZA-B2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.50 ft
Control Elevation:	4.50 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	010Yr-024Hr	0.00	-0.69	0.00	0.00	0.00	0.00
W-B1-B2	025Yr-072Hr	0.00	-8.38	0.00	0.00	0.00	0.00
W-B1-B2	100Yr-072Hr	0.00	-25.74	0.00	-2.57	-2.57	-2.57

Weir Link: W-B1-OUTFALL

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	OUTFALL (94th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.90 ft	**Discharge Coefficients**	
Control Elevation:	3.90 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	025Yr-072Hr	7.54	0.00	0.00	1.44	1.44	1.44
W-B1-OUTFALL	100Yr-072Hr	35.18	0.00	0.00	3.52	3.52	3.52

Weir Link: W-B2-B3

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-B2	Default:	0.00 ft

To Node:	NZA-B3		
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.54 ft	Ref Node:	
Control Elevation:	4.54 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	20.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B2-B3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	010Yr-024Hr	0.00	-6.16	0.00	0.00	0.00	0.00
W-B2-B3	025Yr-072Hr	0.00	-12.19	0.00	-1.68	-1.68	-1.68
W-B2-B3	100Yr-072Hr	0.00	-21.27	0.00	-2.13	-2.13	-2.13

Weir Link: W-B3-B4

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-B3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.52 ft	Discharge Coefficients	
Control Elevation:	5.52 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B3-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	100Yr-072Hr	9.15	0.00	0.00	1.53	1.53	1.53

Weir Link: W-B4-C2

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.69 ft	Discharge Coefficients	
Control Elevation:	5.69 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-C2	005Yr-001Hr	0.00	-4.35	0.00	0.00	0.00	0.00
W-B4-C2	005Yr-024Hr	0.00	-8.67	0.00	0.00	0.00	0.00
W-B4-C2	010Yr-024Hr	0.00	-13.39	0.00	0.00	0.00	0.00
W-B4-C2	025Yr-072Hr	0.00	-16.86	0.00	0.00	0.00	0.00
W-B4-C2	100Yr-072Hr	0.00	-24.00	0.00	-2.00	-2.00	-2.00

Weir Link: W-B4-FDOT2B

Scenario:	OPTION 4	Bottom Clip	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.21 ft
Control Elevation:	4.21 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2 B	005Yr-001Hr	8.89	0.00	0.01	1.52	1.52	1.52
W-B4-FDOT2 B	005Yr-024Hr	11.72	0.00	0.00	1.66	1.66	1.66
W-B4-FDOT2 B	010Yr-024Hr	16.33	0.00	-1.85	1.83	1.83	1.83
W-B4-FDOT2 B	025Yr-072Hr	17.73	0.00	-2.41	1.87	1.87	1.87
W-B4-FDOT2 B	100Yr-072Hr	18.85	0.00	-1.69	1.91	1.91	1.91

Weir Link: W-C1-B1

Scenario:	OPTION 4
From Node:	NZA-B1
To Node:	NZA-C1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.86 ft
Control Elevation:	4.86 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	010Yr-024Hr	0.00	-0.95	0.00	0.00	0.00	0.00
W-C1-B1	025Yr-072Hr	0.00	-10.62	0.00	0.00	0.00	0.00
W-C1-B1	100Yr-072Hr	0.00	-26.22	0.00	0.00	0.00	0.00

Weir Link: W-C1-D2

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-C1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.80 ft	Discharge Coefficients	
Control Elevation:	4.80 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	010Yr-024Hr	3.18	0.00	0.00	1.04	1.04	1.04
W-C1-D2	025Yr-072Hr	10.46	0.00	0.00	1.35	1.35	1.35
W-C1-D2	100Yr-072Hr	20.87	0.00	1.81	1.90	1.90	1.90

Weir Link: W-C2-FDOT3B

Scenario:	OPTION 4	Bottom Clip	
From Node:	FDOT-3B	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical		
Geometry Type:	Rectangular	Op Table:	
Invert:	3.95 ft	Ref Node:	
Control Elevation:	3.95 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C2-FDOT3B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-D1-D2

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-D1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.10 ft	Discharge Coefficients	
Control Elevation:	4.10 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-D2	005Yr-024Hr	22.03	0.00	0.00	2.00	2.00	2.00
W-D1-D2	010Yr-024Hr	28.30	0.00	0.00	2.57	2.57	2.57
W-D1-D2	025Yr-072Hr	32.10	0.00	0.01	2.92	2.92	2.92
W-D1-D2	100Yr-072Hr	34.12	0.00	0.01	3.10	3.10	3.10

Weir Link: W-D1-E1

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	NZA-E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.24 ft	Discharge Coefficients	
Control Elevation:	4.24 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-E1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	005Yr-024Hr	9.60	0.00	0.00	1.51	1.51	1.51
W-D1-E1	010Yr-024Hr	19.42	0.00	0.00	1.91	1.91	1.91
W-D1-E1	025Yr-072Hr	24.68	0.00	0.01	2.24	2.24	2.24
W-D1-E1	100Yr-072Hr	28.09	0.00	0.01	2.55	2.55	2.55

Weir Link: W-D1-OUTFALL

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	OUTFALL (92nd)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Rectangular	Op Table:	
Invert:	5.00 ft	Ref Node:	
Control Elevation:	5.00 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	100Yr-072Hr	6.17	0.00	0.00	1.30	1.30	1.30

Weir Link: W-D2-D3

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.18 ft	Discharge Coefficients	
Control Elevation:	4.18 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-D3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-D3	005Yr-024Hr	0.00	-21.57	0.00	-1.96	-1.96	-1.96
W-D2-D3	010Yr-024Hr	0.00	-25.61	0.00	-2.33	-2.33	-2.33
W-D2-D3	025Yr-072Hr	0.00	-29.08	-0.01	-2.64	-2.64	-2.64
W-D2-D3	100Yr-072Hr	0.00	-36.35	0.01	-3.30	-3.30	-3.30

Weir Link: W-D2-E3

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	Discharge Coefficients	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-E3	005Yr-024Hr	0.72	-7.48	0.00	-1.37	-1.37	-1.37
W-D2-E3	010Yr-024Hr	3.54	-11.32	-2.01	-1.56	-1.56	-1.56
W-D2-E3	025Yr-072Hr	3.81	-14.13	-2.09	-1.69	-1.69	-1.69
W-D2-E3	100Yr-072Hr	3.74	-13.94	-2.07	-1.68	-1.68	-1.68

Weir Link: W-D3-D4

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-D4	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.54 ft
Control Elevation:	4.54 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D3-D4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D3-D4	005Yr-024Hr	16.80	0.00	0.00	1.82	1.82	1.82
W-D3-D4	010Yr-024Hr	22.90	0.00	0.00	2.08	2.08	2.08
W-D3-D4	025Yr-072Hr	25.97	0.00	0.00	2.36	2.36	2.36
W-D3-D4	100Yr-072Hr	32.36	0.00	0.01	2.94	2.94	2.94

Weir Link: W-D4-D5

Scenario:	OPTION 4
From Node:	NZA-D5
To Node:	NZA-D4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.56 ft
Control Elevation:	4.56 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D4-D5	005Yr-024Hr	15.65	0.00	0.00	1.65	1.65	1.65

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	010Yr-024Hr	20.77	0.00	-1.29	1.89	1.89	1.89
W-D4-D5	025Yr-072Hr	21.86	0.00	-1.44	1.99	1.99	1.99
W-D4-D5	100Yr-072Hr	24.17	0.00	-0.78	2.20	2.20	2.20

Weir Link: W-D5-D6

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-D6	Default:	0.00 ft
To Node:	NZA-D5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.94 ft	**Discharge Coefficients**	
Control Elevation:	4.94 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D5-D6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D5-D6	005Yr-024Hr	5.99	0.00	0.00	1.29	1.29	1.29
W-D5-D6	010Yr-024Hr	14.99	0.00	-1.86	1.68	1.68	1.68
W-D5-D6	025Yr-072Hr	16.73	0.00	2.09	1.77	1.77	1.77
W-D5-D6	100Yr-072Hr	18.39	0.00	-2.40	1.82	1.82	1.82

Weir Link: W-D6-D7

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-D7	Default:	0.00 ft
To Node:	NZA-D6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.40 ft
Control Elevation:	4.40 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	005Yr-001Hr	0.00	-0.44	0.00	0.00	0.00	0.00
W-D6-D7	005Yr-024Hr	3.48	-1.25	-1.15	-0.72	-0.72	-0.72
W-D6-D7	010Yr-024Hr	5.39	-0.94	-1.15	0.71	0.71	0.71
W-D6-D7	025Yr-072Hr	6.34	-0.88	-1.45	0.73	0.73	0.73
W-D6-D7	100Yr-072Hr	6.95	0.00	-1.13	0.73	0.73	0.73

Weir Link: W-D7-FDOT4B

Scenario:	OPTION 4
From Node:	FDOT-4B
To Node:	NZA-D7
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	005Yr-024Hr	1.64	0.00	-0.01	0.82	0.82	0.82

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	010Yr-024Hr	3.81	0.00	-0.02	1.10	1.10	1.10
W-D7-FDOT4B	025Yr-072Hr	2.66	0.00	-0.01	0.98	0.98	0.98
W-D7-FDOT4B	100Yr-072Hr	1.42	0.00	0.00	0.80	0.80	0.80

Weir Link: W-E1-E2

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-E2	Default:	0.00 ft
To Node:	NZA-E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.22 ft	**Discharge Coefficients**	
Control Elevation:	4.22 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-E2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	005Yr-024Hr	9.96	0.00	0.00	1.53	1.53	1.53
W-E1-E2	010Yr-024Hr	23.97	0.00	0.00	2.18	2.18	2.18
W-E1-E2	025Yr-072Hr	31.09	0.00	0.00	2.83	2.83	2.83
W-E1-E2	100Yr-072Hr	34.34	0.00	0.01	3.12	3.12	3.12

Weir Link: W-E1-F1

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	NZA-F1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.26 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-F1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	010Yr-024Hr	0.00	-1.47	0.00	-0.79	-0.79	-0.79
W-E1-F1	025Yr-072Hr	3.57	-5.21	0.05	1.03	1.03	1.03
W-E1-F1	100Yr-072Hr	9.33	-21.55	0.90	-1.96	-1.96	-1.96

Weir Link: W-E1-OUTFALL A

Scenario:	OPTION 4
From Node:	NZA-E1
To Node:	OUTFALL (91st) - A
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.68 ft
Control Elevation:	4.68 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFA	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LL A							
W-E1-OUTFALL A	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	025Yr-072Hr	1.17	0.00	0.00	0.75	0.75	0.75
W-E1-OUTFALL A	100Yr-072Hr	12.87	0.00	0.00	1.66	1.66	1.66

Weir Link: W-E1-OUTFALL B

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	OUTFALL (91st) - B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.68 ft	Discharge Coefficients	
Control Elevation:	4.68 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	025Yr-072Hr	1.17	0.00	0.00	0.75	0.75	0.75
W-E1-OUTFALL B	100Yr-072Hr	12.87	0.00	0.00	1.66	1.66	1.66

Weir Link: W-E2-E3			
Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-E3	Default:	0.00 ft
To Node:	NZA-E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	Discharge Coefficients	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E2-E3	005Yr-024Hr	19.22	0.00	0.00	1.89	1.89	1.89
W-E2-E3	010Yr-024Hr	23.67	0.00	0.00	2.15	2.15	2.15
W-E2-E3	025Yr-072Hr	26.04	0.00	0.00	2.37	2.37	2.37
W-E2-E3	100Yr-072Hr	26.43	0.00	0.00	2.40	2.40	2.40

Weir Link: W-E3-E4			
Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-E4	Default:	0.00 ft
To Node:	NZA-E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.38 ft	Discharge Coefficients	
Control Elevation:	4.38 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E3-E4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E3-E4	005Yr-024Hr	18.42	0.00	0.00	1.87	1.87	1.87
W-E3-E4	010Yr-024Hr	25.92	0.00	0.00	2.36	2.36	2.36
W-E3-E4	025Yr-072Hr	28.32	0.00	0.00	2.57	2.57	2.57
W-E3-E4	100Yr-072Hr	30.27	0.00	0.00	2.75	2.75	2.75

Weir Link: W-E4-E5

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-E5	Default:	0.00 ft
To Node:	NZA-E4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.81 ft	Discharge Coefficients	
Control Elevation:	4.81 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E4-E5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	005Yr-024Hr	0.37	0.00	0.00	0.00	0.00	0.00
W-E4-E5	010Yr-024Hr	7.70	0.00	0.00	1.10	1.10	1.10
W-E4-E5	025Yr-072Hr	12.07	0.00	2.01	1.16	1.16	1.16
W-E4-E5	100Yr-072Hr	13.18	0.00	-2.05	1.21	1.21	1.21

Weir Link: W-E5-E6

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-E6	Default:	0.00 ft
To Node:	NZA-E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.50 ft	Ref Node:	
Control Elevation:	4.50 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E5-E6	005Yr-024Hr	12.08	0.00	0.00	1.49	1.49	1.49
W-E5-E6	010Yr-024Hr	16.80	0.00	1.80	1.57	1.57	1.57
W-E5-E6	025Yr-072Hr	17.57	0.00	2.01	1.60	1.60	1.60
W-E5-E6	100Yr-072Hr	18.02	0.00	2.08	1.64	1.64	1.64

Weir Link: W-E6-E7

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-E7	Default:	0.00 ft
To Node:	NZA-E6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.03 ft	Discharge Coefficients	
Control Elevation:	4.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-001Hr	0.00	-4.10	0.01	-1.11	-1.11	-1.11

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-024Hr	10.61	-3.21	-1.67	1.05	1.05	1.05
W-E6-E7	010Yr-024Hr	13.61	-1.98	-2.49	1.24	1.24	1.24
W-E6-E7	025Yr-072Hr	14.68	0.00	-2.90	1.33	1.33	1.33
W-E6-E7	100Yr-072Hr	17.52	0.00	1.98	1.59	1.59	1.59

Weir Link: W-E7-E8

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-E8	Default:	0.00 ft
To Node:	NZA-E7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.36 ft	**Discharge Coefficients**	
Control Elevation:	4.36 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E7-E8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E7-E8	005Yr-024Hr	9.70	-1.46	-3.13	1.30	1.30	1.30
W-E7-E8	010Yr-024Hr	10.98	0.00	-2.08	1.49	1.49	1.49
W-E7-E8	025Yr-072Hr	12.14	0.00	-2.06	1.49	1.49	1.49
W-E7-E8	100Yr-072Hr	14.55	0.00	-3.60	1.32	1.32	1.32

Weir Link: W-E8-FDOT1A

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	FDOT-1A	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	4.46 ft
Control Elevation:	4.46 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT1A	005Yr-001Hr	0.36	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT1A	005Yr-024Hr	5.44	0.00	0.00	1.24	1.24	1.24
W-E8-FDOT1A	010Yr-024Hr	5.46	0.00	-0.01	1.24	1.24	1.24
W-E8-FDOT1A	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT1A	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-E8-FDOT5B

Scenario:	OPTION 4
From Node:	FDOT-5B
To Node:	NZA-E8
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.46 ft
Control Elevation:	4.46 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT5B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT5B	005Yr-024Hr	6.42	0.00	0.05	1.14	1.14	1.14
W-E8-FDOT5B	010Yr-024Hr	9.47	0.00	-3.58	1.28	1.28	1.28
W-E8-FDOT5B	025Yr-072Hr	9.89	0.00	-2.07	1.20	1.20	1.20
W-E8-FDOT5B	100Yr-072Hr	10.54	0.00	-4.01	1.13	1.13	1.13

Weir Link: W-F1-F2

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.23 ft	**Discharge Coefficients**	
Control Elevation:	4.23 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-F2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	010Yr-024Hr	0.00	-2.61	0.00	-0.98	-0.98	-0.98
W-F1-F2	025Yr-072Hr	5.86	-11.69	2.09	-1.37	-1.37	-1.37
W-F1-F2	100Yr-072Hr	8.18	-18.51	2.64	-1.83	-1.83	-1.83

Weir Link: W-F1-G1

Scenario:	OPTION 4	**Bottom Clip**	

From Node:	NZA-F1
To Node:	NZA-G1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.28 ft
Control Elevation:	4.28 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-G1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	010Yr-024Hr	1.07	0.00	0.00	0.72	0.72	0.72
W-F1-G1	025Yr-072Hr	9.03	-0.54	-0.03	1.01	1.01	1.01
W-F1-G1	100Yr-072Hr	10.31	-2.56	-1.96	1.05	1.05	1.05

Weir Link: W-F2-F3

Scenario:	OPTION 4
From Node:	NZA-F3
To Node:	NZA-F2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.24 ft
Control Elevation:	4.24 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-F3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-F3	005Yr-024Hr	4.01	0.00	0.00	1.13	1.13	1.13
W-F2-F3	010Yr-024Hr	12.55	0.00	0.00	1.65	1.65	1.65
W-F2-F3	025Yr-072Hr	21.84	0.00	-0.13	1.99	1.99	1.99
W-F2-F3	100Yr-072Hr	27.51	0.00	-1.53	2.50	2.50	2.50

Weir Link: W-F2-G2

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-F2	Default:	0.00 ft
To Node:	NZA-G2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.01 ft	Discharge Coefficients	
Control Elevation:	4.01 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-G2	005Yr-024Hr	4.31	0.00	0.00	1.15	1.15	1.15
W-F2-G2	010Yr-024Hr	12.52	0.00	0.00	1.65	1.65	1.65
W-F2-G2	025Yr-072Hr	19.06	0.00	-2.05	1.86	1.86	1.86
W-F2-G2	100Yr-072Hr	23.51	0.00	-1.02	2.14	2.14	2.14

Weir Link: W-F3-F4

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Gravel Road Vertical
Geometry Type:	Rectangular
Invert:	4.77 ft
Control Elevation:	4.77 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F3-F4	005Yr-024Hr	0.00	-1.77	0.00	0.00	0.00	0.00
W-F3-F4	010Yr-024Hr	0.00	-9.21	0.00	0.00	0.00	0.00
W-F3-F4	025Yr-072Hr	0.00	-16.20	0.00	-1.79	-1.79	-1.79
W-F3-F4	100Yr-072Hr	0.00	-25.91	0.00	-2.36	-2.36	-2.36

Weir Link: W-F4-F5

Scenario:	OPTION 4
From Node:	NZA-F5
To Node:	NZA-F4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.03 ft
Control Elevation:	5.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	010Yr-024Hr	4.36	0.00	0.00	1.16	1.16	1.16
W-F4-F5	025Yr-072Hr	11.97	0.00	0.00	1.62	1.62	1.62
W-F4-F5	100Yr-072Hr	22.63	0.00	0.00	2.06	2.06	2.06

Weir Link: W-F4-G4

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-F4	Default:	0.00 ft
To Node:	NZA-G4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.05 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	025Yr-072Hr	2.87	0.00	0.00	1.01	1.01	1.01
W-F4-G4	100Yr-072Hr	7.88	0.00	1.91	1.14	1.14	1.14

Weir Link: W-F5-F6

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-F6	Default:	0.00 ft
To Node:	NZA-F5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.81 ft
Control Elevation:	4.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F5-F6	005Yr-024Hr	0.15	-1.69	0.00	-0.81	-0.81	-0.81
W-F5-F6	010Yr-024Hr	4.21	-2.48	0.02	1.13	1.13	1.13
W-F5-F6	025Yr-072Hr	5.92	-2.66	-1.56	-0.75	-0.75	-0.75
W-F5-F6	100Yr-072Hr	12.90	-4.71	-1.62	1.17	1.17	1.17

Weir Link: W-F6-F7

Scenario:	OPTION 4
From Node:	NZA-F7
To Node:	NZA-F6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.63 ft
Control Elevation:	4.63 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F6-F7	005Yr-024Hr	3.15	-5.04	-0.01	1.03	1.03	1.03
W-F6-F7	010Yr-024Hr	8.08	-7.29	1.69	1.40	1.40	1.40
W-F6-F7	025Yr-072Hr	2.12	-7.73	1.68	-0.94	-0.94	-0.94

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	100Yr-072Hr	6.75	-10.07	2.91	-1.12	-1.12	-1.12

Weir Link: W-F7-F8

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-F7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.60 ft	Discharge Coefficients	
Control Elevation:	4.60 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F7-F8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F7-F8	005Yr-024Hr	0.52	-7.74	0.00	-1.33	-1.33	-1.33
W-F7-F8	010Yr-024Hr	5.19	-11.67	2.08	-1.30	-1.30	-1.30
W-F7-F8	025Yr-072Hr	0.24	-12.23	3.13	-1.29	-1.29	-1.29
W-F7-F8	100Yr-072Hr	0.00	-16.17	2.08	-1.76	-1.76	-1.76

Weir Link: W-F8-F9

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-F9	Default:	0.00 ft
To Node:	NZA-F8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.75 ft	Discharge Coefficients	
Control Elevation:	4.75 ft	Weir Default:	2.800

Max Depth:	0.50 ft		
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-F9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F8-F9	005Yr-024Hr	2.50	0.00	0.00	0.96	0.96	0.96
W-F8-F9	010Yr-024Hr	6.33	0.00	0.04	1.29	1.29	1.29
W-F8-F9	025Yr-072Hr	7.34	0.00	-1.68	1.29	1.29	1.29
W-F8-F9	100Yr-072Hr	6.37	-0.32	-1.49	0.81	0.81	0.81

Weir Link: W-F8-G8

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	0.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-G8	005Yr-001Hr	5.07	-0.21	0.00	0.46	0.46	0.46
W-F8-G8	005Yr-024Hr	8.14	-0.03	0.04	0.74	0.74	0.74
W-F8-G8	010Yr-024Hr	10.70	-0.03	0.04	0.97	0.97	0.97
W-F8-G8	025Yr-072Hr	11.16	-0.01	0.04	1.01	1.01	1.01
W-F8-G8	100Yr-072Hr	11.84	-0.02	0.04	1.08	1.08	1.08

Weir Link: W-F9-FDOT2A			
Scenario:	OPTION 4	Bottom Clip	
From Node:	FDOT-2A	Default:	0.00 ft
To Node:	NZA-F9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F9-FDOT2A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2A	005Yr-024Hr	0.83	0.00	0.00	0.67	0.67	0.67
W-F9-FDOT2A	010Yr-024Hr	3.81	0.00	0.00	1.10	1.10	1.10
W-F9-FDOT2A	025Yr-072Hr	6.08	0.00	-0.36	1.28	1.28	1.28
W-F9-FDOT2A	100Yr-072Hr	5.59	0.00	-0.03	1.24	1.24	1.24

Weir Link: W-G1-G2			
Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.36 ft	Discharge Coefficients	
Control Elevation:	4.36 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G1-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	025Yr-072Hr	0.59	-11.21	0.00	-1.51	-1.51	-1.51
W-G1-G2	100Yr-072Hr	5.20	-12.25	1.85	-1.57	-1.57	-1.57

Weir Link: W-G2-G3

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-G3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.13 ft	Discharge Coefficients	
Control Elevation:	4.13 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-G3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	010Yr-024Hr	0.00	-9.60	0.00	0.00	0.00	0.00
W-G2-G3	025Yr-072Hr	0.00	-22.95	0.61	-2.09	-2.09	-2.09
W-G2-G3	100Yr-072Hr	0.00	-29.16	1.51	-2.65	-2.65	-2.65

Weir Link: W-G2-I1

Scenario:	OPTION 4	Bottom Clip	

From Node:	NZA-G2
To Node:	NZA-I1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.29 ft
Control Elevation:	4.29 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-I1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	025Yr-072Hr	18.45	0.00	0.00	1.87	1.87	1.87
W-G2-I1	100Yr-072Hr	21.72	0.00	-1.75	1.97	1.97	1.97

Weir Link: W-G2-OUTFALL

Scenario:	OPTION 4
From Node:	NZA-G2
To Node:	OUTFALL (89th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	5.00 ft
Control Elevation:	5.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	100Yr-072Hr	5.41	0.00	0.00	1.24	1.24	1.24

Weir Link: W-G3-G4

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-G3	Default:	0.00 ft
To Node:	NZA-G4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.73 ft	**Discharge Coefficients**	
Control Elevation:	4.73 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G3-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	010Yr-024Hr	0.00	-5.20	0.00	0.00	0.00	0.00
W-G3-G4	025Yr-072Hr	0.00	-17.78	0.00	-1.85	-1.85	-1.85
W-G3-G4	100Yr-072Hr	0.00	-28.56	0.00	-2.60	-2.60	-2.60

Weir Link: W-G4-G5

Scenario:	OPTION 4	**Bottom Clip**	

From Node:	NZA-G4
To Node:	NZA-G5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.84 ft
Control Elevation:	4.84 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G4-G5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	005Yr-024Hr	0.00	-0.10	0.00	0.00	0.00	0.00
W-G4-G5	010Yr-024Hr	0.00	-8.52	0.00	-1.45	-1.45	-1.45
W-G4-G5	025Yr-072Hr	0.00	-16.22	0.00	-1.79	-1.79	-1.79
W-G4-G5	100Yr-072Hr	0.00	-20.75	1.28	-1.89	-1.89	-1.89

Weir Link: W-G5-G6

Scenario:	OPTION 4
From Node:	NZA-G6
To Node:	NZA-G5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G5-G6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G5-G6	005Yr-024Hr	5.07	0.00	0.00	1.10	1.10	1.10
W-G5-G6	010Yr-024Hr	7.49	-0.58	-1.69	1.11	1.11	1.11
W-G5-G6	025Yr-072Hr	12.72	-0.37	-1.59	1.16	1.16	1.16
W-G5-G6	100Yr-072Hr	13.58	0.00	-2.29	1.23	1.23	1.23

Weir Link: W-G6-G8

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.55 ft	Discharge Coefficients	
Control Elevation:	4.55 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G6-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G6-G8	005Yr-024Hr	0.71	-2.98	0.01	-0.89	-0.89	-0.89
W-G6-G8	010Yr-024Hr	2.33	-4.34	2.05	-1.05	-1.05	-1.05
W-G6-G8	025Yr-072Hr	1.71	-8.21	1.34	-1.09	-1.09	-1.09
W-G6-G8	100Yr-072Hr	0.00	-8.38	1.29	-1.17	-1.17	-1.17

Weir Link: W-G7-G8

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-G7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.44 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G7-G8	005Yr-024Hr	6.01	0.00	0.00	1.29	1.29	1.29
W-G7-G8	010Yr-024Hr	7.73	-0.47	1.94	1.40	1.40	1.40
W-G7-G8	025Yr-072Hr	8.29	-2.17	1.17	1.43	1.43	1.43
W-G7-G8	100Yr-072Hr	7.76	-5.74	-1.88	1.40	1.40	1.40

Weir Link: W-G8-G9

Scenario:	OPTION 4
From Node:	NZA-G8
To Node:	NZA-G9
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.63 ft
Control Elevation:	4.63 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-G9	005Yr-024Hr	0.00	-4.63	0.00	-1.18	-1.18	-1.18

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	010Yr-024Hr	0.00	-8.68	0.02	-1.44	-1.44	-1.44
W-G8-G9	025Yr-072Hr	0.00	-10.65	1.98	-1.54	-1.54	-1.54
W-G8-G9	100Yr-072Hr	0.00	-10.76	-1.47	-1.54	-1.54	-1.54

Weir Link: W-G8-I7

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.70 ft	**Discharge Coefficients**	
Control Elevation:	4.70 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-I7	005Yr-024Hr	0.00	-3.81	0.00	0.00	0.00	0.00
W-G8-I7	010Yr-024Hr	0.00	-17.05	0.00	-1.81	-1.81	-1.81
W-G8-I7	025Yr-072Hr	0.00	-21.55	1.25	-1.96	-1.96	-1.96
W-G8-I7	100Yr-072Hr	0.00	-22.08	1.42	-2.01	-2.01	-2.01

Weir Link: W-G9-FDOT3A

Scenario:	OPTION 4	**Bottom Clip**	
From Node:	FDOT-3A	Default:	0.00 ft
To Node:	NZA-G9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.31 ft
Control Elevation:	4.31 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G9-FDOT3 A	005Yr-001Hr	1.76	0.00	0.00	0.53	0.53	0.53
W-G9-FDOT3 A	005Yr-024Hr	4.08	0.00	1.54	0.91	0.91	0.91
W-G9-FDOT3 A	010Yr-024Hr	3.92	0.00	2.00	0.90	0.90	0.90
W-G9-FDOT3 A	025Yr-072Hr	4.61	0.00	1.09	0.94	0.94	0.94
W-G9-FDOT3 A	100Yr-072Hr	4.13	0.00	0.80	1.09	1.09	1.09

Weir Link: W-I1-I2

Scenario:	OPTION 4
From Node:	NZA-I2
To Node:	NZA-I1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.03 ft
Control Elevation:	4.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-I2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-I2	005Yr-024Hr	7.95	0.00	0.00	1.42	1.42	1.42
W-I1-I2	010Yr-024Hr	14.33	0.00	0.00	1.72	1.72	1.72
W-I1-I2	025Yr-072Hr	19.28	0.00	-2.00	1.90	1.90	1.90
W-I1-I2	100Yr-072Hr	28.53	0.00	-3.60	2.59	2.59	2.59

Weir Link: W-I1-OUTFALL

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-I1	Default:	0.00 ft
To Node:	OUTFALL (88th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	100Yr-072Hr	3.31	0.00	0.00	1.06	1.06	1.06

Weir Link: W-I2-I3

Scenario:	OPTION 4	Bottom Clip	

From Node:	NZA-I2
To Node:	NZA-I3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.55 ft
Control Elevation:	4.55 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I2-I3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I2-I3	005Yr-024Hr	0.00	-6.83	0.00	0.00	0.00	0.00
W-I2-I3	010Yr-024Hr	0.00	-11.11	0.00	0.00	0.00	0.00
W-I2-I3	025Yr-072Hr	0.00	-14.31	0.00	-1.61	-1.61	-1.61
W-I2-I3	100Yr-072Hr	0.00	-21.82	1.59	-1.98	-1.98	-1.98

Weir Link: W-I3-I4

Scenario:	OPTION 4
From Node:	NZA-I3
To Node:	NZA-I4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.56 ft
Control Elevation:	4.56 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I3-I4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I3-I4	005Yr-024Hr	0.10	-3.18	0.00	-0.64	-0.64	-0.64
W-I3-I4	010Yr-024Hr	0.10	-5.23	0.00	-0.76	-0.76	-0.76
W-I3-I4	025Yr-072Hr	0.12	-7.66	0.00	-1.04	-1.04	-1.04
W-I3-I4	100Yr-072Hr	0.16	-14.00	2.07	-1.27	-1.27	-1.27

Weir Link: W-I4-I5

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-I5	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.86 ft	Discharge Coefficients	
Control Elevation:	4.86 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I4-I5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	010Yr-024Hr	0.06	-0.02	0.00	0.00	0.00	0.00
W-I4-I5	025Yr-072Hr	3.72	-0.62	0.00	1.10	1.10	1.10
W-I4-I5	100Yr-072Hr	9.21	-0.67	0.01	1.45	1.45	1.45

Weir Link: W-I5-I6

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.70 ft
Control Elevation:	4.70 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I5-I6	005Yr-024Hr	0.00	-1.64	0.00	0.00	0.00	0.00
W-I5-I6	010Yr-024Hr	0.00	-4.49	0.00	-1.06	-1.06	-1.06
W-I5-I6	025Yr-072Hr	0.60	-6.84	0.01	-1.32	-1.32	-1.32
W-I5-I6	100Yr-072Hr	3.86	-11.55	-1.08	-1.60	-1.60	-1.60

Weir Link: W-I6-I7

Scenario:	OPTION 4
From Node:	NZA-I6
To Node:	NZA-I7
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	11.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-I7	005Yr-024Hr	0.00	-1.98	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	010Yr-024Hr	0.00	-13.17	0.00	-2.39	-2.39	-2.39
W-I6-I7	025Yr-072Hr	0.00	-16.20	0.00	-2.95	-2.95	-2.95
W-I6-I7	100Yr-072Hr	0.00	-17.96	-0.01	-3.27	-3.27	-3.27

Weir Link: W-I6-OUTFALL

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	OUTFALL (CARLYLE)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.30 ft	Discharge Coefficients	
Control Elevation:	7.30 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-I7-I8

Scenario:	OPTION 4	Bottom Clip	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-I8	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.58 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I7-I8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I7-I8	005Yr-024Hr	0.00	-5.73	0.00	-1.25	-1.25	-1.25
W-I7-I8	010Yr-024Hr	0.00	-12.48	0.00	-1.64	-1.64	-1.64
W-I7-I8	025Yr-072Hr	0.00	-15.70	2.13	-1.77	-1.77	-1.77
W-I7-I8	100Yr-072Hr	0.00	-19.08	-2.08	-1.88	-1.88	-1.88

Weir Link: W-I8-FDOT4A

Scenario:	OPTION 4
From Node:	FDOT-4A
To Node:	NZA-I8
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	3.87 ft
Control Elevation:	3.87 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 4]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I8-FDOT4A	005Yr-001Hr	3.72	0.00	1.28	0.84	0.84	0.84
W-I8-FDOT4A	005Yr-024Hr	5.56	0.00	2.45	1.25	1.25	1.25
W-I8-FDOT4A	010Yr-024Hr	7.32	0.00	2.48	1.26	1.26	1.26
W-I8-FDOT4A	025Yr-072Hr	8.30	0.00	2.36	1.25	1.25	1.25
W-I8-FDOT4A	100Yr-072Hr	9.21	0.00	2.04	1.23	1.23	1.23

Rating Curve: RC-0001

Scenario: OPTION 4
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	39.60
9.90	39.60

Comment: Surfside Drainage Wells:
DW 1: 620 GPM/FT
DW 2: 800 GPM/FT
DW 3: 800 GPM/FT

Rating Curve: RC-0002

Scenario: OPTION 4
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	33.00
9.90	33.00

Comment: Surfside Drainage Wells:
DW 4: 500 GPM/FT
DW 5: 800 GPM/FT
DW 6: 550 GPM/FT

Rating Curve: RC-0003

Scenario: OPTION 4
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	27.67
9.90	27.67

Comment: Surfside Drainage Wells:
DW 7: 500 GPM/FT
DW 8: 400 GPM/FT
DW 9: 650 GPM/FT

Rating Curve: RC-0004

Scenario: OPTION 4
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	14.20
8.00	14.20

Comment: Existing Surfside Pump Station (92nd)

Rating Curve: RC-0005

Scenario: OPTION 4
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	42.88
9.90	42.88

Comment: FDOT Drainage Wells:
600 GPM/FT

Appendix N – Scenario Five

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

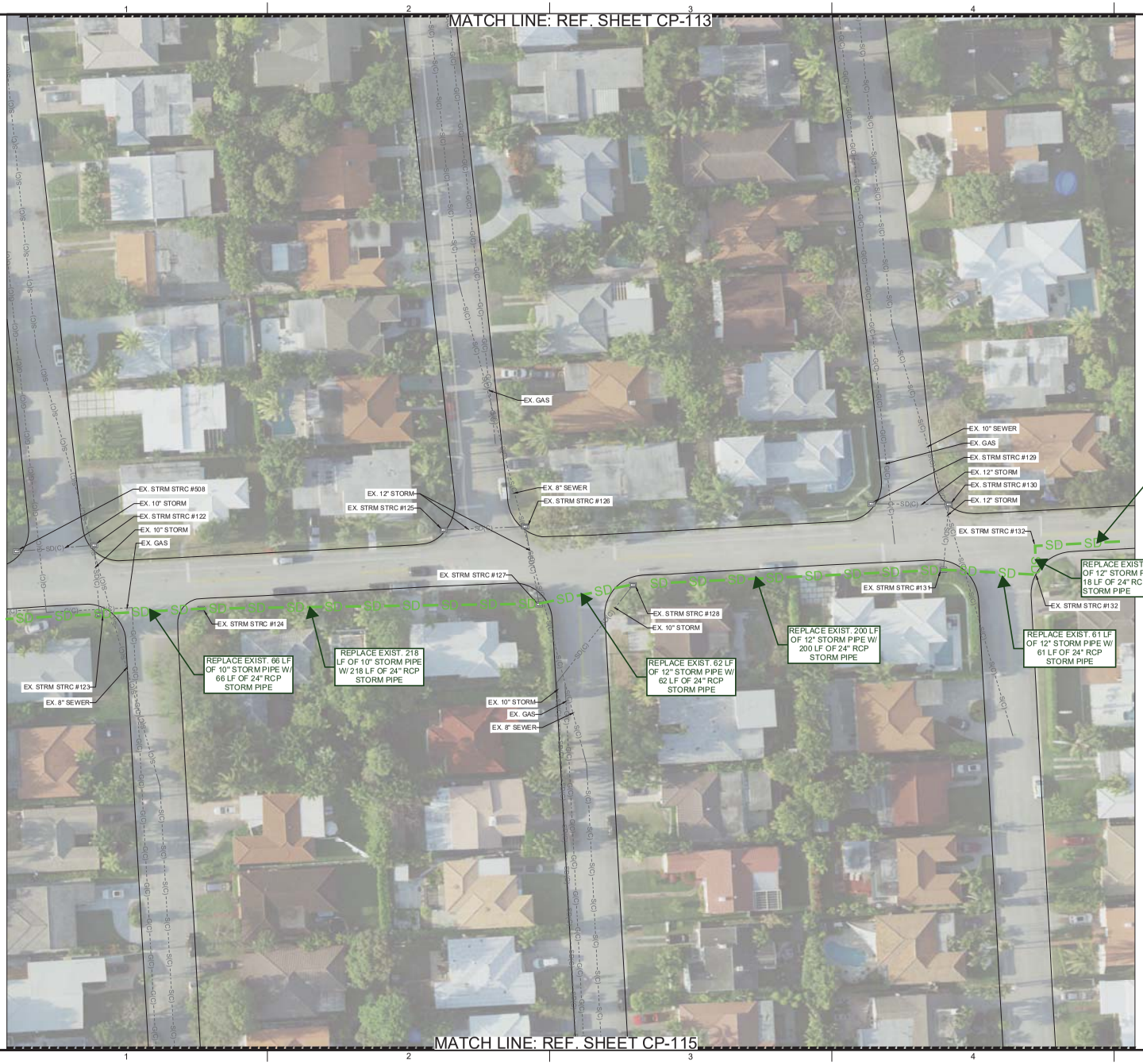
SCENARIO #5

SHEET NUMBER CP-113

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 9:40:28 AM



N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD SD — PROPOSED 24" RCP PIPE
- FM FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #5

SHEET NUMBER CP-114

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #5

SHEET NUMBER CP-115

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 8:40:28 AM

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #5

SHEET NUMBER CP-116

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 8:40:28 AM

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
Project: Abbott Avenue Drainage Improvements
Project No. 11494.00

Scenario 5

92nd STREET IMPROVEMENTS

Updated 6/12/21

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT
	Construction Costs				
1	Mobilization	1	LS	$10,000.00	$10,000.00
2	Maintenance of Traffic	1	LS	$10,000.00	$10,000.00
3	24" RCP Drainage Pipe (Non. Perf.)	2,226	LF	$108.00	$240,408.00
4	Remove Existing Drainage Structure	20	EA	$2,206.74	$44,134.80
5	Drainage Manhole	20	EA	$7,923.77	$158,475.40
6	Pavement Restoration	2,000	SY	$54.00	$108,000.00
7	Restore/Restripe Pavement Markings	1	LS	$10,000.00	$10,000.00
8	Contingency (30%)	1	LS	$174,305.46	$174,305.46
				Subtotal	**$755,323.66**
	Additional Services				
1	Survey, Subsurface Utility Exploration (SUE) & Design Testing	1	LS	4.0%	$30,212.95
2	Professional Design Services & Permitting	1	LS	10.0%	$75,532.37
3	Construction Administration Services	1	LS	6.0%	$45,319.42
				Subtotal	**$151,064.73**
				TOTAL OPININION OF PROBABLE COST	**$906,388.39**

NOTES:

1 The quantities and unit prices are obtained from various sources (including contract bids for similar projects).
2 The unit prices are based on current construction costs (as of 6/12/21)
3 The locations and sizes of the existing utilities are based on best available information and cannot be guaranteed for their accuracy.
4 No utility coordination and/or relocation included in this estimate.
5 The quantities are based on the Proposed Exhibit (Scenerio 5)

Background Image: NETWORK DIAGRAM

---Unable to Generate Chart---

Simulation: 005Yr-001Hr

Scenario: OPTION 5
Run Date/Time: 6/13/2021 5:49:17 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.20 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 005Yr-024Hr

Scenario: OPTION 5
Run Date/Time: 6/13/2021 5:49:33 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	6.50 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 010Yr-024Hr

Scenario: OPTION 5
Run Date/Time: 6/13/2021 5:52:10 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:

Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr

Smp/Man Basin Rain Opt: Global

Rainfall Name: ~SCSIII-24
Rainfall Amount: 8.52 in
Storm Duration: 24.0000 hr

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 025Yr-072Hr

Scenario: OPTION 5
Run Date/Time: 6/13/2021 5:54:58 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.10 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100Yr-072Hr

Scenario: OPTION 5
Run Date/Time: 6/13/2021 6:01:46 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	17.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simple Basin: A1

Scenario:	OPTION 5
Node:	NZA-A1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7600 ac
Curve Number:	85.0

% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A2

Scenario:	OPTION 5
Node:	NZA-A2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A3

Scenario:	OPTION 5
Node:	NZA-A3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A4

Scenario:	OPTION 5
Node:	NZA-A4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA1

Scenario:	OPTION 5
Node:	NZA-AA1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA2

Scenario:	OPTION 5
Node:	NZA-AA2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA3

Scenario:	OPTION 5
Node:	NZA-AA3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA4

Scenario:	OPTION 5
Node:	NZA-AA4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA5

Scenario:	OPTION 5
Node:	NZA-AA5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B1

Scenario:	OPTION 5
Node:	NZA-B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B2

Scenario:	OPTION 5
Node:	NZA-B2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B3

Scenario:	OPTION 5
Node:	NZA-B3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B4

Scenario:	OPTION 5
Node:	NZA-B4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C1

Scenario:	OPTION 5
Node:	NZA-C1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C2

Scenario:	OPTION 5
Node:	NZA-C2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D1

Scenario:	OPTION 5
Node:	NZA-D1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D2

Scenario:	OPTION 5
Node:	NZA-D2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D3

Scenario:	OPTION 5
Node:	NZA-D3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D4

Scenario:	OPTION 5
Node:	NZA-D4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D5

Scenario:	OPTION 5
Node:	NZA-D5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.8200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D6

Scenario:	OPTION 5
Node:	NZA-D6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	9.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D7

Scenario:	OPTION 5
Node:	NZA-D7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E1

Scenario:	OPTION 5
Node:	NZA-E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E2

Scenario:	OPTION 5
Node:	NZA-E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E3

Scenario:	OPTION 5
Node:	NZA-E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E4

Scenario:	OPTION 5
Node:	NZA-E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E5

Scenario:	OPTION 5
Node:	NZA-E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E6

Scenario:	OPTION 5
Node:	NZA-E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E7

Scenario:	OPTION 5
Node:	NZA-E7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E8

Scenario:	OPTION 5
Node:	NZA-E8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F1

Scenario:	OPTION 5
Node:	NZA-F1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F2

Scenario:	OPTION 5
Node:	NZA-F2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F3

Scenario:	OPTION 5
Node:	NZA-F3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F4

Scenario:	OPTION 5
Node:	NZA-F4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F5

Scenario:	OPTION 5
Node:	NZA-F5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F6

Scenario:	OPTION 5
Node:	NZA-F6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F7

Scenario:	OPTION 5
Node:	NZA-F7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F8

Scenario:	OPTION 5
Node:	NZA-F8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F9

Scenario:	OPTION 5
Node:	NZA-F9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1A

Scenario:	OPTION 5
Node:	FDOT-1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1B

Scenario:	OPTION 5
Node:	FDOT-1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2A

Scenario:	OPTION 5
Node:	FDOT-2A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2B

Scenario:	OPTION 5
Node:	FDOT-2B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3A

Scenario:	OPTION 5
Node:	FDOT-3A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.5900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3B

Scenario:	OPTION 5
Node:	FDOT-3B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4A

Scenario:	OPTION 5
Node:	FDOT-4A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.3400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4B

Scenario:	OPTION 5
Node:	FDOT-4B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-5B

Scenario:	OPTION 5
Node:	FDOT-5B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G1

Scenario:	OPTION 5
Node:	NZA-G1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G2

Scenario:	OPTION 5
Node:	NZA-G2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G3

Scenario:	OPTION 5
Node:	NZA-G3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G4

Scenario:	OPTION 5
Node:	NZA-G4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G5

Scenario:	OPTION 5
Node:	NZA-G5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G6

Scenario:	OPTION 5
Node:	NZA-G6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G7

Scenario:	OPTION 5
Node:	NZA-G7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G8

Scenario:	OPTION 5
Node:	NZA-G8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G9

Scenario:	OPTION 5
Node:	NZA-G9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I1

Scenario:	OPTION 5
Node:	NZA-I1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I2

Scenario:	OPTION 5
Node:	NZA-I2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I3

Scenario:	OPTION 5
Node:	NZA-I3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I4

Scenario:	OPTION 5
Node:	NZA-I4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I5

Scenario:	OPTION 5
Node:	NZA-I5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I6

Scenario:	OPTION 5
Node:	NZA-I6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I7

Scenario:	OPTION 5
Node:	NZA-I7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: I8

Scenario: OPTION 5
Node: NZA-I8
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.9500 ac
Curve Number: 85.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: AQUIFER (89th)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (89th)	005Yr-001Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	005Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	010Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	025Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	100Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0

Node: AQUIFER (94th)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (94th)	005Yr-001Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	005Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	010Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	025Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	100Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0

Node: AQUIFER (CARLYLE)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0

Node: FDOT AQUIFER (94TH)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT AQUIFER (CARLYLE)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment: FDOT AQUIFER

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)							
FDOT AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT OUTFALL (94th)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT OUTFALL (CARLYLE)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT-1A

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6200	27007

Stage [ft]	Area [ac]	Area [ft2]
8.00	1.8900	82328

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-001Hr	4.86	4.49	0.0028	3.50	3.37	7142
FDOT-1A	005Yr-024Hr	4.86	4.85	0.0028	7.10	5.52	26572
FDOT-1A	010Yr-024Hr	4.86	5.12	0.0028	9.26	5.86	31641
FDOT-1A	025Yr-072Hr	4.86	5.35	0.0028	8.42	3.68	35628
FDOT-1A	100Yr-072Hr	4.86	5.77	0.0028	10.87	5.05	43081

Node: FDOT-1B

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.72	0.0001	4
5.22	0.4700	20473
8.00	0.8300	36155

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1B	005Yr-001Hr	5.22	4.50	0.0016	10.19	10.16	266
FDOT-1B	005Yr-024Hr	5.22	4.56	0.0016	12.75	12.75	267
FDOT-1B	010Yr-024Hr	5.22	5.08	-0.0019	17.38	17.34	14578
FDOT-1B	025Yr-072Hr	5.22	5.48	-0.0026	20.83	18.72	21965
FDOT-1B	100Yr-072Hr	5.22	5.85	-0.0020	28.40	19.85	24041

Node: FDOT-2A

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.44	0.0001	4
3.94	0.5100	22216
8.00	1.5000	65340

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2A	005Yr-001Hr	3.91	4.48	0.0077	13.44	3.51	27977
FDOT-2A	005Yr-024Hr	3.91	4.83	0.0077	12.38	9.03	31676
FDOT-2A	010Yr-024Hr	3.91	5.10	0.0077	16.59	13.17	34562
FDOT-2A	025Yr-072Hr	3.91	5.32	0.0077	20.62	15.96	36857
FDOT-2A	100Yr-072Hr	3.91	5.72	0.0077	27.95	17.86	41184

Node: FDOT-2B

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.21 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.71	0.0001	4
5.21	0.6200	27007
8.00	1.2300	53579

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2B	005Yr-001Hr	5.21	2.51	0.0176	38.27	31.74	196
FDOT-2B	005Yr-024Hr	5.21	2.86	0.0176	39.67	39.71	196
FDOT-2B	010Yr-024Hr	5.21	3.72	0.0176	48.07	48.01	196
FDOT-2B	025Yr-072Hr	5.21	4.29	0.0176	50.69	50.58	196
FDOT-2B	100Yr-072Hr	5.21	4.90	0.0176	53.94	53.76	10313

Node: FDOT-3A

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.38	0.0001	4
4.88	0.5500	23958
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3A	005Yr-001Hr	4.88	4.48	0.0225	28.26	9.60	4603
FDOT-3A	005Yr-024Hr	4.88	4.80	0.0225	28.26	12.48	20121
FDOT-3A	010Yr-024Hr	4.88	5.07	0.0225	28.26	15.01	26077
FDOT-3A	025Yr-072Hr	4.88	5.28	0.0225	28.26	16.65	28406
FDOT-3A	100Yr-072Hr	4.88	5.63	0.0225	28.26	21.53	32392

Node: FDOT-3B

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.40 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.99	0.0001	4
4.40	0.6200	27007
8.00	2.7300	118919

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3B	005Yr-001Hr	4.40	2.54	0.0098	9.82	7.25	100
FDOT-3B	005Yr-024Hr	4.40	2.90	0.0098	9.82	8.53	100
FDOT-3B	010Yr-024Hr	4.40	3.78	0.0098	11.85	11.80	100
FDOT-3B	025Yr-072Hr	4.40	4.35	0.0098	14.48	14.25	23588
FDOT-3B	100Yr-072Hr	4.40	4.97	0.0098	19.74	16.22	41565

Node: FDOT-4A

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.81	0.0001	4
4.31	0.3100	13504
8.00	1.2000	52272

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4A	005Yr-001Hr	4.18	4.47	-0.0275	12.64	28.26	15638
FDOT-4A	005Yr-024Hr	4.18	4.78	-0.0275	13.74	28.26	18928
FDOT-4A	010Yr-024Hr	4.18	5.03	-0.0275	20.55	28.26	21568
FDOT-4A	025Yr-072Hr	4.18	5.23	-0.0275	24.31	28.26	23570
FDOT-4A	100Yr-072Hr	4.18	5.53	-0.0275	30.73	28.31	26693

Node: FDOT-4B

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.40	0.0001	4
3.90	0.6300	27443
8.00	1.7500	76230

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4B	005Yr-001Hr	3.90	4.13	0.0008	10.65	0.31	30151
FDOT-4B	005Yr-024Hr	3.90	4.95	0.0002	9.95	3.77	39903
FDOT-4B	010Yr-024Hr	3.90	5.30	0.0002	12.27	5.10	44106
FDOT-4B	025Yr-072Hr	3.90	5.64	0.0002	15.00	5.41	48137
FDOT-4B	100Yr-072Hr	3.90	6.20	0.0002	20.45	5.94	54836

Node: FDOT-5B

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6600	28750
8.00	2.2300	97139

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-5B	005Yr-001Hr	4.86	4.14	0.0008	3.35	3.31	100
FDOT-5B	005Yr-024Hr	4.86	4.93	0.0002	6.88	6.27	30317
FDOT-5B	010Yr-024Hr	4.86	5.28	0.0002	10.65	9.61	37922
FDOT-5B	025Yr-072Hr	4.86	5.62	0.0002	11.16	10.10	45223
FDOT-5B	100Yr-072Hr	4.86	6.17	0.0002	13.52	10.83	57316

Node: NZA-A1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.60 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.10	0.0001	4
3.60	0.5200	22651
8.00	1.3600	59242

Comment: As-built Structure D-195

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A1	005Yr-001Hr	3.60	3.18	-0.0008	10.77	10.65	3566
NZA-A1	005Yr-024Hr	3.60	3.76	-0.0025	16.89	14.99	23961
NZA-A1	010Yr-024Hr	3.60	4.19	-0.0031	28.66	27.57	27604
NZA-A1	025Yr-072Hr	3.60	4.35	-0.0033	38.86	37.72	28927
NZA-A1	100Yr-072Hr	3.60	4.71	-0.0024	54.32	52.88	31903

Node: NZA-A2

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4800	20909
8.00	1.6200	70567

Comment: AS-BUILT INLET CA-95

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A2	005Yr-001Hr	4.24	4.27	0.0005	9.92	4.80	21313
NZA-A2	005Yr-024Hr	4.24	4.87	-0.0006	13.80	12.70	29223
NZA-A2	010Yr-024Hr	4.24	5.04	-0.0005	23.37	21.30	31490
NZA-A2	025Yr-072Hr	4.24	5.15	-0.0005	30.88	28.98	32882
NZA-A2	100Yr-072Hr	4.24	5.43	-0.0005	44.92	43.47	36609

Node: NZA-A3

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.95	0.0001	4
4.45	0.6200	27007
8.00	2.2100	96268

Comment: AS-BUILT STRUCTURE BY95

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A3	005Yr-001Hr	4.45	4.53	0.0007	10.45	3.15	28562
NZA-A3	005Yr-024Hr	4.45	4.95	-0.0007	12.57	8.02	36769
NZA-A3	010Yr-024Hr	4.45	5.08	-0.0006	17.47	12.92	39216
NZA-A3	025Yr-072Hr	4.45	5.18	-0.0005	21.95	17.48	41248
NZA-A3	100Yr-072Hr	4.45	5.74	-0.0005	38.05	32.10	52252

Node: NZA-A4

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.6400	27878
8.00	2.2900	99752

Comment: As-built Structrure AB95

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A4	005Yr-001Hr	4.80	4.50	0.0007	14.98	14.36	11351
NZA-A4	005Yr-024Hr	4.80	5.09	-0.0007	12.19	10.83	34336
NZA-A4	010Yr-024Hr	4.80	5.22	-0.0007	16.68	9.63	37301
NZA-A4	025Yr-072Hr	4.80	5.48	-0.0007	23.95	16.23	43090
NZA-A4	100Yr-072Hr	4.80	5.83	-0.0007	36.46	24.18	51025

Node: NZA-AA1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1000	4356
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA1	005Yr-001Hr	4.00	3.09	0.0010	11.20	11.20	308
NZA-AA1	005Yr-024Hr	4.00	3.21	0.0010	13.27	13.26	308
NZA-AA1	010Yr-024Hr	4.00	3.45	0.0010	17.53	17.53	308
NZA-AA1	025Yr-072Hr	4.00	3.58	0.0010	20.04	20.03	995
NZA-AA1	100Yr-072Hr	4.00	3.79	0.0010	24.39	24.36	2809

Node: NZA-AA2

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.0900	3920
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA2	005Yr-001Hr	4.00	3.17	0.0010	9.05	9.04	381
NZA-AA2	005Yr-024Hr	4.00	3.30	0.0010	10.67	10.66	381
NZA-AA2	010Yr-024Hr	4.00	3.55	0.0010	14.02	14.03	766
NZA-AA2	025Yr-072Hr	4.00	3.69	0.0010	15.98	16.02	1822
NZA-AA2	100Yr-072Hr	4.00	3.91	0.0010	19.35	19.43	3548

Node: NZA-AA3

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.5200	22651
8.00	1.0800	47045

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA3	005Yr-001Hr	4.00	3.22	0.0026	7.04	7.02	327
NZA-AA3	005Yr-024Hr	4.00	3.35	0.0026	8.25	8.23	328
NZA-AA3	010Yr-024Hr	4.00	3.61	0.0026	10.84	10.81	4968
NZA-AA3	025Yr-072Hr	4.00	3.75	0.0026	12.62	12.41	11323
NZA-AA3	100Yr-072Hr	4.00	3.98	0.0026	15.98	15.10	21822

Node: NZA-AA4

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1300	5663
8.00	0.7900	34412

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA4	005Yr-001Hr	4.00	3.22	0.0044	18.47	6.17	375
NZA-AA4	005Yr-024Hr	4.00	3.36	0.0044	18.47	6.17	375
NZA-AA4	010Yr-024Hr	4.00	3.62	0.0044	18.47	7.78	1537
NZA-AA4	025Yr-072Hr	4.00	3.76	0.0044	18.47	8.91	3165
NZA-AA4	100Yr-072Hr	4.00	4.00	0.0044	18.47	10.94	5848

Node: NZA-AA5

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1200	5227
8.00	0.4300	18731

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA5	005Yr-001Hr	4.00	3.50	-0.0066	3.27	19.35	404
NZA-AA5	005Yr-024Hr	4.00	3.50	-0.0066	3.71	19.35	404
NZA-AA5	010Yr-024Hr	4.00	3.63	-0.0066	4.76	19.35	1522
NZA-AA5	025Yr-072Hr	4.00	3.77	-0.0066	5.63	19.35	3029
NZA-AA5	100Yr-072Hr	4.00	4.01	-0.0066	7.35	19.35	5430

Node: NZA-AA7

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4700	20473
8.00	0.8800	38333

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA7	005Yr-001Hr	8.00	4.49	0.0007	14.36	0.00	22643
NZA-AA7	005Yr-024Hr	8.00	5.09	-0.0020	10.73	3.18	25328
NZA-AA7	010Yr-024Hr	8.00	5.22	-0.0017	8.80	2.92	25916
NZA-AA7	025Yr-072Hr	8.00	5.48	-0.0014	9.56	2.97	27066
NZA-AA7	100Yr-072Hr	8.00	5.83	-0.0002	13.18	4.10	28644

Node: NZA-B1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.17 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.67	0.0001	4
4.17	0.7000	30492
8.00	1.9500	84942

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B1	005Yr-001Hr	4.17	2.79	-0.0058	31.62	32.86	100
NZA-B1	005Yr-024Hr	4.17	3.15	-0.0062	37.03	37.55	100
NZA-B1	010Yr-024Hr	4.17	3.80	-0.0062	41.10	40.63	7995
NZA-B1	025Yr-072Hr	4.17	4.20	-0.0099	53.75	52.73	31010
NZA-B1	100Yr-072Hr	4.17	4.71	-0.0082	85.27	83.16	38220

Node: NZA-B2

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.73 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.23	0.0001	4
4.73	0.5200	22651
8.00	1.6900	73616

Comment: As-built Structure EX-283

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B2	005Yr-001Hr	4.73	3.07	-0.0044	14.84	15.29	100
NZA-B2	005Yr-024Hr	4.73	3.66	-0.0049	19.76	20.10	100
NZA-B2	010Yr-024Hr	4.73	4.55	-0.0049	25.40	23.88	14567
NZA-B2	025Yr-072Hr	4.73	4.79	-0.0049	31.90	30.12	23569
NZA-B2	100Yr-072Hr	4.73	5.07	-0.0111	44.04	42.99	28027

Node: NZA-B3

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.83 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.33	0.0001	4
4.83	0.5500	23958
8.00	1.0800	47045

Comment: As-built Structure EX-291

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B3	005Yr-001Hr	4.83	3.21	-0.0034	6.02	6.04	100
NZA-B3	005Yr-024Hr	4.83	4.00	-0.0035	8.95	9.09	100
NZA-B3	010Yr-024Hr	4.83	4.77	-0.0039	13.77	14.26	21013
NZA-B3	025Yr-072Hr	4.83	4.90	-0.0097	17.80	17.27	24502
NZA-B3	100Yr-072Hr	4.83	5.27	-0.0082	29.04	27.75	27163

Node: NZA-B4

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3400	14810
8.00	1.4300	62291

Comment: AS-BUILT STRUCTURE EX-295

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B4	005Yr-001Hr	4.80	3.22	-0.0081	19.19	19.16	100
NZA-B4	005Yr-024Hr	4.80	4.05	-0.0081	26.29	26.40	100
NZA-B4	010Yr-024Hr	4.80	5.02	-0.0082	36.10	34.09	18102
NZA-B4	025Yr-072Hr	4.80	5.47	-0.0081	37.92	39.50	24732
NZA-B4	100Yr-072Hr	4.80	5.82	-0.0081	44.68	40.42	29942

Node: NZA-C1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.6800	29621
8.00	2.1100	91912

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C1	005Yr-001Hr	4.44	3.87	-0.0007	6.93	6.98	100
NZA-C1	005Yr-024Hr	4.44	4.34	-0.0011	8.34	7.57	23540
NZA-C1	010Yr-024Hr	4.44	4.94	-0.0019	12.35	8.59	38369
NZA-C1	025Yr-072Hr	4.44	5.20	-0.0021	18.75	17.94	42987
NZA-C1	100Yr-072Hr	4.44	5.42	-0.0019	32.29	31.28	46736

Node: NZA-C2

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 5.78 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
5.28	0.0001	4
5.78	0.5000	21780
8.00	1.3900	60548

Comment: AS-BUILT STRUCTURE EX-404.

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C2	005Yr-001Hr	5.78	5.86	0.0013	9.36	5.89	23198
NZA-C2	005Yr-024Hr	5.78	5.96	-0.0008	11.25	10.04	24938
NZA-C2	010Yr-024Hr	5.78	6.05	-0.0008	15.64	14.40	26526
NZA-C2	025Yr-072Hr	5.78	6.11	-0.0007	19.12	17.77	27576
NZA-C2	100Yr-072Hr	5.78	6.21	-0.0005	26.07	24.76	29352

Node: NZA-CS-01

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-01	005Yr-001Hr	8.00	2.01	-0.0179	32.86	36.20	100
NZA-CS-01	005Yr-024Hr	8.00	2.02	0.0190	37.55	38.57	100
NZA-CS-01	010Yr-024Hr	8.00	2.13	0.0199	40.63	40.67	100
NZA-CS-01	025Yr-072Hr	8.00	2.30	0.0198	43.33	43.37	100
NZA-CS-01	100Yr-072Hr	8.00	2.48	0.0197	46.97	47.01	100

Node: NZA-CS-02

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.83	0.0010	44

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-02	005Yr-001Hr	8.00	2.01	-0.0146	24.17	28.55	100
NZA-CS-02	005Yr-024Hr	8.00	2.01	0.0155	26.01	29.48	100
NZA-CS-02	010Yr-024Hr	8.00	2.03	0.0170	33.09	33.18	100
NZA-CS-02	025Yr-072Hr	8.00	2.23	0.0169	35.53	35.59	100
NZA-CS-02	100Yr-072Hr	8.00	2.36	0.0168	37.75	37.82	100

Node: NZA-CS-03

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-03	005Yr-001Hr	8.00	3.40	0.0004	25.64	25.62	100
NZA-CS-03	005Yr-024Hr	8.00	3.85	0.0005	30.66	30.66	100
NZA-CS-03	010Yr-024Hr	8.00	4.36	-0.0004	35.62	35.62	100
NZA-CS-03	025Yr-072Hr	8.00	4.49	0.0006	36.77	36.77	100
NZA-CS-03	100Yr-072Hr	8.00	4.79	0.0004	39.24	39.24	100

Node: NZA-CS-04

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0010	44

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	005Yr-001Hr	8.00	2.49	-0.0005	6.66	6.66	100
NZA-CS-04	005Yr-024Hr	8.00	2.70	-0.0007	8.25	8.25	100
NZA-CS-04	010Yr-024Hr	8.00	2.90	-0.0007	9.15	9.15	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	025Yr-072Hr	8.00	2.98	-0.0007	9.43	9.43	100
NZA-CS-04	100Yr-072Hr	8.00	3.16	-0.0007	10.02	10.02	100

Node: NZA-CS-05

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-05	005Yr-001Hr	8.00	2.98	0.0005	11.21	11.20	100
NZA-CS-05	005Yr-024Hr	8.00	4.48	-0.0012	15.25	15.20	100
NZA-CS-05	010Yr-024Hr	8.00	4.64	-0.0013	15.52	15.45	100
NZA-CS-05	025Yr-072Hr	8.00	4.88	-0.0014	15.68	15.59	100
NZA-CS-05	100Yr-072Hr	8.00	5.16	-0.0013	15.00	14.97	100

Node: NZA-CS-TOWN

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.15	0.0010	44

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-TOWN	005Yr-001Hr	8.00	2.94	0.0010	11.20	11.20	341
NZA-CS-TOWN	005Yr-024Hr	8.00	3.05	0.0010	13.26	13.26	343
NZA-CS-TOWN	010Yr-024Hr	8.00	3.27	0.0010	17.53	17.53	344
NZA-CS-TOWN	025Yr-072Hr	8.00	3.38	0.0010	20.03	20.03	344
NZA-CS-TOWN	100Yr-072Hr	8.00	3.57	0.0010	24.36	24.36	344

Node: NZA-D1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4400	19166
8.00	1.1600	50530

Comment: AS-BUILT STRUCTURE EX-271

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D1	005Yr-001Hr	3.56	3.01	0.0006	13.63	13.63	100
NZA-D1	005Yr-024Hr	3.56	4.53	-0.0017	31.44	27.94	26001
NZA-D1	010Yr-024Hr	3.56	4.70	-0.0019	44.27	35.38	27199
NZA-D1	025Yr-072Hr	3.56	4.93	-0.0020	49.79	40.46	28831
NZA-D1	100Yr-072Hr	3.56	5.21	-0.0018	48.12	43.63	30808

Node: NZA-D2

Scenario: OPTION 5

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.62 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.12	0.0001	4
3.62	0.4900	21344
8.00	1.4700	64033

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D2	005Yr-001Hr	3.62	3.73	0.0009	16.94	9.89	22455
NZA-D2	005Yr-024Hr	3.62	4.67	-0.0010	33.87	31.27	31619
NZA-D2	010Yr-024Hr	3.62	4.96	-0.0010	46.97	40.85	34386
NZA-D2	025Yr-072Hr	3.62	5.22	-0.0010	54.71	46.91	36919
NZA-D2	100Yr-072Hr	3.62	5.57	-0.0010	62.11	62.27	40404

Node: NZA-D3

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.98 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.48	0.0001	4
3.98	0.4700	20473
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE EX-263

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D3	005Yr-001Hr	3.98	3.96	0.0005	8.61	4.43	19744
NZA-D3	005Yr-024Hr	3.98	4.88	-0.0017	29.09	27.82	30658
NZA-D3	010Yr-024Hr	3.98	5.25	-0.0015	40.78	33.03	34807
NZA-D3	025Yr-072Hr	3.98	5.61	-0.0012	45.64	38.44	38899
NZA-D3	100Yr-072Hr	3.98	6.10	-0.0006	48.24	45.21	44423

Node: NZA-D4

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.16 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.66	0.0001	4
4.16	0.9400	40946
8.00	2.5700	111949

Comment: AS-BUILT STRUCTURE EX-258

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D4	005Yr-001Hr	4.16	4.27	0.0008	13.74	2.39	43023
NZA-D4	005Yr-024Hr	4.16	5.08	-0.0002	27.49	25.24	57994
NZA-D4	010Yr-024Hr	4.16	5.52	0.0002	42.22	29.87	66109
NZA-D4	025Yr-072Hr	4.16	5.98	-0.0002	50.83	33.58	74547
NZA-D4	100Yr-072Hr	4.16	6.58	-0.0002	59.99	39.25	85787

Node: NZA-D5

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.9400	40946
8.00	1.5200	66211

Comment: AS-BUILT STRUCTURE EX-253

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D5	005Yr-001Hr	4.46	4.61	0.0009	15.06	2.48	42022
NZA-D5	005Yr-024Hr	4.46	5.21	0.0002	22.61	20.07	46310
NZA-D5	010Yr-024Hr	4.46	5.68	0.0002	39.82	25.30	49655
NZA-D5	025Yr-072Hr	4.46	6.19	0.0002	50.54	26.60	53307
NZA-D5	100Yr-072Hr	4.46	6.86	0.0002	52.75	29.31	58116

Node: NZA-D6

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.48 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.98	0.0001	4
4.48	1.0400	45302
8.00	1.9600	85378

Comment: AS-BUILT STRUCTURE EX-249

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D6	005Yr-001Hr	4.48	4.58	0.0010	15.78	5.83	46398
NZA-D6	005Yr-024Hr	4.48	5.29	0.0002	18.63	13.30	54505
NZA-D6	010Yr-024Hr	4.48	5.74	0.0002	27.88	18.25	59661
NZA-D6	025Yr-072Hr	4.48	6.27	0.0002	36.11	21.15	65722
NZA-D6	100Yr-072Hr	4.48	6.97	0.0002	43.14	19.27	73649

Node: NZA-D7

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.90	0.5900	25700
8.00	1.9200	83635

Comment: AS-BUILT STRUCTURE EX-HG92

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D7	005Yr-001Hr	3.90	4.25	0.0010	15.10	0.04	30610
NZA-D7	005Yr-024Hr	3.90	5.30	0.0001	13.67	5.06	45431
NZA-D7	010Yr-024Hr	3.90	5.75	0.0002	16.52	7.25	51836
NZA-D7	025Yr-072Hr	3.90	6.28	0.0001	19.36	7.81	59399
NZA-D7	100Yr-072Hr	3.90	6.98	0.0002	27.41	8.57	69281

Node: NZA-DS1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.20	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS1	005Yr-001Hr	8.00	1.60	0.0000	0.04	0.00	100
NZA-DS1	005Yr-024Hr	8.00	1.60	0.0001	0.06	0.01	100
NZA-DS1	010Yr-024Hr	8.00	1.60	-0.0001	1.03	1.13	100
NZA-DS1	025Yr-072Hr	8.00	1.60	-0.0002	3.73	3.93	100
NZA-DS1	100Yr-072Hr	8.00	1.60	-0.0002	7.37	7.53	100

Node: NZA-DS2

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.86	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS2	005Yr-001Hr	8.00	1.60	0.0000	0.02	0.00	100
NZA-DS2	005Yr-024Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS2	010Yr-024Hr	8.00	1.60	0.0001	0.09	0.10	100
NZA-DS2	025Yr-072Hr	8.00	1.60	-0.0001	2.53	2.67	100
NZA-DS2	100Yr-072Hr	8.00	1.60	-0.0002	4.75	4.91	100

Node: NZA-DS3

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.90	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS3	005Yr-001Hr	8.00	1.61	-0.0015	25.62	25.67	100
NZA-DS3	005Yr-024Hr	8.00	1.62	-0.0019	30.66	30.69	100
NZA-DS3	010Yr-024Hr	8.00	1.62	-0.0020	35.62	35.64	100
NZA-DS3	025Yr-072Hr	8.00	1.62	-0.0020	36.77	36.79	100
NZA-DS3	100Yr-072Hr	8.00	1.63	-0.0020	39.24	39.25	100

Node: NZA-E1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.5100	22216
8.00	1.8400	80150

Comment: AS-BUILT STRUCTURE BA91

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E1	005Yr-001Hr	4.18	2.70	0.0005	25.78	25.78	100
NZA-E1	005Yr-024Hr	4.18	3.52	-0.0007	47.57	47.57	100
NZA-E1	010Yr-024Hr	4.18	4.42	0.0007	63.73	60.60	25939
NZA-E1	025Yr-072Hr	4.18	4.76	0.0007	74.31	67.31	31031
NZA-E1	100Yr-072Hr	4.18	5.04	0.0007	93.06	92.96	35216

Node: NZA-E2

Scenario: OPTION 5

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4500	19602
8.00	1.4400	62726

Comment: AS-BUILT STRUCTURE EX-180

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E2	005Yr-001Hr	4.24	3.58	0.0005	15.20	15.20	100
NZA-E2	005Yr-024Hr	4.24	4.56	-0.0009	28.96	28.68	23277
NZA-E2	010Yr-024Hr	4.24	4.76	-0.0011	36.84	34.98	25538
NZA-E2	025Yr-072Hr	4.24	5.02	-0.0013	43.02	41.22	28574
NZA-E2	100Yr-072Hr	4.24	5.38	-0.0010	51.24	44.50	32647

Node: NZA-E3

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.15	0.0001	4
4.65	0.4600	20038
8.00	1.4500	63162

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E3	005Yr-001Hr	4.65	3.91	0.0005	12.94	12.92	100
NZA-E3	005Yr-024Hr	4.65	4.67	0.0007	27.03	26.25	20302
NZA-E3	010Yr-024Hr	4.65	4.96	0.0007	38.95	34.75	23996
NZA-E3	025Yr-072Hr	4.65	5.22	0.0007	42.31	35.00	27386
NZA-E3	100Yr-072Hr	4.65	5.60	0.0007	48.16	43.54	32331

Node: NZA-E4

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.4600	20038
8.00	1.4900	64904

Comment: AS-BUILT STRUCTURE EX-191

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E4	005Yr-001Hr	4.46	4.32	0.0019	11.97	7.28	14490
NZA-E4	005Yr-024Hr	4.46	4.83	-0.0044	23.11	22.86	24738
NZA-E4	010Yr-024Hr	4.46	5.13	-0.0047	32.81	29.56	28563
NZA-E4	025Yr-072Hr	4.46	5.44	-0.0043	36.24	29.15	32408
NZA-E4	100Yr-072Hr	4.46	5.93	-0.0043	41.08	36.59	38702

Node: NZA-E5

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.59 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.09	0.0001	4
4.59	0.4600	20038
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE DI91

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E5	005Yr-001Hr	4.59	4.32	0.0017	7.10	9.93	9369
NZA-E5	005Yr-024Hr	4.59	4.85	0.0045	19.20	19.10	23483
NZA-E5	010Yr-024Hr	4.59	5.14	0.0045	26.58	23.61	27437
NZA-E5	025Yr-072Hr	4.59	5.45	0.0044	29.57	26.10	31579
NZA-E5	100Yr-072Hr	4.59	5.95	0.0044	33.71	30.56	38320

Node: NZA-E6

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.72	0.0001	4
4.22	0.4700	20473
8.00	1.4700	64033

Comment: AS-BUILT STRUCTURE EX-CA91

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E6	005Yr-001Hr	4.22	4.31	0.0005	10.66	5.98	21546
NZA-E6	005Yr-024Hr	4.22	4.87	-0.0014	15.45	15.45	28003
NZA-E6	010Yr-024Hr	4.22	5.20	-0.0013	20.81	19.67	31752
NZA-E6	025Yr-072Hr	4.22	5.52	-0.0010	23.78	20.94	35441
NZA-E6	100Yr-072Hr	4.22	6.04	-0.0008	28.50	25.21	41483

Node: NZA-E7

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.06 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.56	0.0001	4
4.06	0.4500	19602
8.00	1.3500	58806

Comment: AS-BUILT STRUCTURE EX-215

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E7	005Yr-001Hr	4.06	4.31	0.0006	12.74	2.58	22097
NZA-E7	005Yr-024Hr	4.06	4.91	-0.0015	16.55	12.00	28090
NZA-E7	010Yr-024Hr	4.06	5.25	-0.0014	22.54	15.32	31434
NZA-E7	025Yr-072Hr	4.06	5.58	-0.0012	19.22	16.76	34713
NZA-E7	100Yr-072Hr	4.06	6.12	0.0004	23.61	20.29	40118

Node: NZA-E8

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4500	19602
8.00	1.3300	57935

Comment: AS-BUILT STRUCTURE EX-AB91

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E8	005Yr-001Hr	4.00	4.30	0.0006	9.56	1.31	22440
NZA-E8	005Yr-024Hr	4.00	4.93	-0.0028	18.25	9.76	28502
NZA-E8	010Yr-024Hr	4.00	5.27	-0.0026	24.53	11.48	31762
NZA-E8	025Yr-072Hr	4.00	5.60	-0.0023	19.40	12.82	34955
NZA-E8	100Yr-072Hr	4.00	6.15	0.0002	19.45	15.58	40235

Node: NZA-F1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 2.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
2.41	0.0001	4
2.91	0.4700	20473
8.00	1.3100	57064

Comment: AS-BUILT STRUCTURE EX-114

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F1	005Yr-001Hr	2.91	3.33	0.0004	13.79	4.15	23478
NZA-F1	005Yr-024Hr	2.91	4.06	0.0009	14.35	10.28	28738
NZA-F1	010Yr-024Hr	2.91	4.43	0.0009	15.86	10.47	31397
NZA-F1	025Yr-072Hr	2.91	4.78	0.0009	17.34	16.20	33917
NZA-F1	100Yr-072Hr	2.91	5.21	0.0009	28.57	23.86	36999

Node: NZA-F2

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.08 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.58	0.0001	4
4.08	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-119

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F2	005Yr-001Hr	4.08	3.61	0.0004	10.88	10.85	750
NZA-F2	005Yr-024Hr	4.08	4.18	0.0009	12.45	12.19	14241
NZA-F2	010Yr-024Hr	4.08	4.43	0.0009	20.37	19.88	16120
NZA-F2	025Yr-072Hr	4.08	4.81	0.0009	28.85	26.65	18973
NZA-F2	100Yr-072Hr	4.08	5.28	0.0009	38.72	34.53	22465

Node: NZA-F3

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.96 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.46	0.0001	4
3.96	0.4200	18295
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 123

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F3	005Yr-001Hr	3.96	3.79	0.0004	9.70	7.17	12021
NZA-F3	005Yr-024Hr	3.96	4.39	-0.0013	11.60	10.19	22851
NZA-F3	010Yr-024Hr	3.96	4.56	-0.0014	17.45	17.12	24756
NZA-F3	025Yr-072Hr	3.96	4.93	-0.0010	26.51	23.89	28680
NZA-F3	100Yr-072Hr	3.96	5.48	-0.0008	42.39	29.92	34496

Node: NZA-F4

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.61 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.11	0.0001	4
3.61	0.4500	19602
8.00	1.4500	63162

Comment: EX.AS-BUILT STRUCTURE 126

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F4	005Yr-001Hr	3.61	3.84	0.0004	11.16	5.44	21924
NZA-F4	005Yr-024Hr	3.61	4.64	-0.0037	12.35	8.28	29841
NZA-F4	010Yr-024Hr	3.61	4.93	-0.0040	15.68	12.94	32710
NZA-F4	025Yr-072Hr	3.61	5.12	-0.0022	21.72	20.71	34622
NZA-F4	100Yr-072Hr	3.61	5.59	-0.0015	37.74	30.17	39302

Node: NZA-F5

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.38	0.0001	4
3.88	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 131

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F5	005Yr-001Hr	3.88	3.90	0.0004	10.19	4.50	19832
NZA-F5	005Yr-024Hr	3.88	4.77	-0.0019	11.84	5.53	28639
NZA-F5	010Yr-024Hr	3.88	5.12	-0.0019	16.89	8.27	32197
NZA-F5	025Yr-072Hr	3.88	5.30	-0.0015	23.73	15.18	34043
NZA-F5	100Yr-072Hr	3.88	5.68	-0.0009	33.12	25.43	37917

Node: NZA-F6

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.15	0.0001	4
3.65	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 135

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F6	005Yr-001Hr	3.65	3.96	0.0004	12.56	3.86	22618
NZA-F6	005Yr-024Hr	3.65	4.80	-0.0015	13.50	6.95	30677
NZA-F6	010Yr-024Hr	3.65	5.12	-0.0016	20.71	9.16	33771
NZA-F6	025Yr-072Hr	3.65	5.31	-0.0011	27.76	13.00	35529
NZA-F6	100Yr-072Hr	3.65	5.72	-0.0007	35.32	17.40	39544

Node: NZA-F7

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.29 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.79	0.0001	4
4.29	0.4400	19166
8.00	1.4700	64033

Comment: EX.AS-BUILT STRUCTURE 141

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F7	005Yr-001Hr	4.29	4.09	0.0004	8.45	6.49	11424
NZA-F7	005Yr-024Hr	4.29	4.80	-0.0006	10.84	7.67	25352
NZA-F7	010Yr-024Hr	4.29	5.12	-0.0006	18.60	11.82	29232
NZA-F7	025Yr-072Hr	4.29	5.31	-0.0005	25.44	15.55	31507
NZA-F7	100Yr-072Hr	4.29	5.73	-0.0004	33.08	16.87	36634

Node: NZA-F8

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.4400	19166
8.00	1.4600	63598

Comment: EX.AS-BUILT STRUCTURE 142

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F8	005Yr-001Hr	4.44	4.10	0.0004	8.92	8.80	6269
NZA-F8	005Yr-024Hr	4.44	4.80	-0.0001	10.06	10.72	23652
NZA-F8	010Yr-024Hr	4.44	5.11	-0.0001	16.77	13.51	27616
NZA-F8	025Yr-072Hr	4.44	5.31	-0.0001	23.35	16.54	30013
NZA-F8	100Yr-072Hr	4.44	5.73	-0.0001	32.67	19.66	35343

Node: NZA-F9

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.27 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.77	0.0001	4
4.27	0.3600	15682
8.00	1.1200	48787

Comment: EX.AS-BUILT STRUCTURE 148

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F9	005Yr-001Hr	4.27	4.13	0.0004	4.92	3.54	11194
NZA-F9	005Yr-024Hr	4.27	4.81	-0.0001	5.91	3.23	20503
NZA-F9	010Yr-024Hr	4.27	5.12	0.0002	11.72	8.19	23208
NZA-F9	025Yr-072Hr	4.27	5.31	0.0001	17.07	11.29	24959
NZA-F9	100Yr-072Hr	4.27	5.74	0.0001	23.87	14.14	28732

Node: NZA-G1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.81 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.31	0.0001	4
3.81	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-166

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G1	005Yr-001Hr	3.81	3.32	-0.0005	4.24	4.19	316
NZA-G1	005Yr-024Hr	3.81	3.89	-0.0008	6.23	6.59	14088
NZA-G1	010Yr-024Hr	3.81	4.42	-0.0008	7.86	6.65	17791
NZA-G1	025Yr-072Hr	3.81	4.77	-0.0008	14.84	13.72	20217
NZA-G1	100Yr-072Hr	3.81	5.21	-0.0008	21.41	15.50	23237

Node: NZA-G2

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.6800	29621
8.00	2.2400	97574

Comment: EX.AS-BUILT STRUCTURE 108

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G2	005Yr-001Hr	4.00	2.83	-0.0041	25.56	26.92	100
NZA-G2	005Yr-024Hr	4.00	3.02	-0.0043	27.67	28.84	100
NZA-G2	010Yr-024Hr	4.00	4.21	-0.0043	42.36	38.90	33280
NZA-G2	025Yr-072Hr	4.00	4.76	-0.0064	60.74	56.26	42487
NZA-G2	100Yr-072Hr	4.00	5.20	-0.0062	76.36	59.27	50066

Node: NZA-G3

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.20 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.70	0.0001	4
4.20	0.4000	17424
8.00	1.2500	54450

Comment: EX.AS-BUILT STRUCTURE 105

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G3	005Yr-001Hr	4.20	3.68	-0.0025	14.17	14.36	100
NZA-G3	005Yr-024Hr	4.20	3.94	-0.0028	15.78	15.09	8455
NZA-G3	010Yr-024Hr	4.20	4.41	-0.0028	18.88	18.15	19529
NZA-G3	025Yr-072Hr	4.20	4.89	-0.0028	27.85	25.92	24169
NZA-G3	100Yr-072Hr	4.20	5.43	-0.0029	43.97	33.23	29454

Node: NZA-G4

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3800	16553
8.00	0.9600	41818

Comment: EX.AS-BUILT STRUCTURE 101

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G4	005Yr-001Hr	4.80	3.99	0.0004	8.78	8.82	506
NZA-G4	005Yr-024Hr	4.80	4.31	-0.0008	9.50	9.57	507
NZA-G4	010Yr-024Hr	4.80	4.88	-0.0008	14.33	14.10	17231
NZA-G4	025Yr-072Hr	4.80	5.11	-0.0010	22.55	22.06	19053
NZA-G4	100Yr-072Hr	4.80	5.59	-0.0011	35.34	31.30	22782

Node: NZA-G5

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.3900	16988
8.00	1.1100	48352

Comment: EX.AS-BUILT STRUCTURE 95

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G5	005Yr-001Hr	4.46	4.26	0.0004	5.67	4.49	10193
NZA-G5	005Yr-024Hr	4.46	4.79	-0.0037	8.74	7.27	19894
NZA-G5	010Yr-024Hr	4.46	5.08	-0.0039	12.22	10.09	22449
NZA-G5	025Yr-072Hr	4.46	5.22	-0.0040	16.91	16.57	23706
NZA-G5	100Yr-072Hr	4.46	5.67	-0.0038	26.72	23.47	27673

Node: NZA-G6

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.42 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.92	0.0001	4
4.42	0.3600	15682
8.00	1.1400	49658

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G6	005Yr-001Hr	4.42	4.27	0.0004	4.76	3.20	11061
NZA-G6	005Yr-024Hr	4.42	4.79	-0.0003	7.59	4.70	19206
NZA-G6	010Yr-024Hr	4.42	5.09	-0.0004	11.21	6.31	22036
NZA-G6	025Yr-072Hr	4.42	5.26	-0.0004	13.15	11.71	23686
NZA-G6	100Yr-072Hr	4.42	5.71	-0.0003	19.63	15.19	27890

Node: NZA-G7

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.19 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.69	0.0001	4
4.19	0.4600	20038
8.00	1.5200	66211

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G7	005Yr-001Hr	4.19	4.38	0.0009	7.07	0.00	22304
NZA-G7	005Yr-024Hr	4.19	4.79	0.0003	8.50	8.01	27339
NZA-G7	010Yr-024Hr	4.19	5.09	0.0003	15.44	10.97	30972
NZA-G7	025Yr-072Hr	4.19	5.28	0.0002	18.90	12.20	33234
NZA-G7	100Yr-072Hr	4.19	5.72	0.0002	20.43	13.05	38540

Node: NZA-G8

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.3300	14375
8.00	0.9800	42689

Comment: EX.AS-BUILT STRUCTURE 80

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G8	005Yr-001Hr	4.18	4.10	0.0004	18.91	16.25	12076
NZA-G8	005Yr-024Hr	4.18	4.79	-0.0001	20.95	16.70	18913
NZA-G8	010Yr-024Hr	4.18	5.09	-0.0001	28.03	23.04	21160
NZA-G8	025Yr-072Hr	4.18	5.28	-0.0001	31.74	27.82	22579
NZA-G8	100Yr-072Hr	4.18	5.71	-0.0001	37.87	30.42	25790

Node: NZA-G9

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.84 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.34	0.0001	4
4.84	0.4100	17860
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G9	005Yr-001Hr	4.84	4.47	0.0004	7.76	6.48	4735
NZA-G9	005Yr-024Hr	4.84	4.80	0.0002	8.81	7.73	16342
NZA-G9	010Yr-024Hr	4.84	5.09	0.0002	13.55	11.59	21125
NZA-G9	025Yr-072Hr	4.84	5.29	0.0002	17.36	14.48	23663
NZA-G9	100Yr-072Hr	4.84	5.72	-0.0001	22.72	17.02	29310

Node: NZA-I1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.72 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.22	0.0001	4
3.72	0.2300	10019
8.00	2.0000	87120

Comment: As-built Structure EX-2011

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I1	005Yr-001Hr	3.72	2.45	-0.0011	6.93	6.87	100
NZA-I1	005Yr-024Hr	3.72	2.73	-0.0013	14.12	14.06	100
NZA-I1	010Yr-024Hr	3.72	3.22	-0.0013	22.08	22.08	100
NZA-I1	025Yr-072Hr	3.72	4.73	-0.0082	35.23	29.19	28190
NZA-I1	100Yr-072Hr	3.72	5.14	-0.0087	46.45	34.09	35617

Node: NZA-I2

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.95	0.2900	12632
8.00	0.9600	41818

Comment: As-built Structure EX-2013

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I2	005Yr-001Hr	3.95	3.82	0.0004	3.72	1.70	9637
NZA-I2	005Yr-024Hr	3.95	4.28	-0.0011	10.02	9.74	15049
NZA-I2	010Yr-024Hr	3.95	4.41	-0.0012	16.29	15.88	15933
NZA-I2	025Yr-072Hr	3.95	4.77	-0.0011	21.00	20.53	18542
NZA-I2	100Yr-072Hr	3.95	5.24	-0.0009	29.72	29.30	21962

Node: NZA-I3

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.49 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.99	0.0001	4
4.49	0.3300	14375
8.00	1.0900	47480

Comment: As-built Structure EX-2071

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I3	005Yr-001Hr	4.49	4.53	0.0007	4.06	1.14	14736
NZA-I3	005Yr-024Hr	4.49	4.78	-0.0007	7.01	6.81	17118
NZA-I3	010Yr-024Hr	4.49	4.87	-0.0006	11.45	11.09	17952
NZA-I3	025Yr-072Hr	4.49	4.93	-0.0005	14.74	14.27	18502
NZA-I3	100Yr-072Hr	4.49	5.31	-0.0005	22.36	20.84	22146

Node: NZA-I4

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.93	0.0001	4
4.43	0.3000	13068
8.00	1.0800	47045

Comment: As-built Structure EX-2021

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I4	005Yr-001Hr	4.43	4.53	0.0007	4.53	1.23	13980
NZA-I4	005Yr-024Hr	4.43	4.78	-0.0010	5.10	3.52	16445
NZA-I4	010Yr-024Hr	4.43	4.87	-0.0009	6.99	5.63	17290
NZA-I4	025Yr-072Hr	4.43	4.93	-0.0008	8.55	7.35	17848
NZA-I4	100Yr-072Hr	4.43	5.34	-0.0007	16.43	14.23	21752

Node: NZA-I5

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.41 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.91	0.0001	4
4.41	0.3300	14375
8.00	1.3300	57935

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I5	005Yr-001Hr	4.41	4.41	0.0006	5.56	2.35	14435
NZA-I5	005Yr-024Hr	4.41	4.79	-0.0005	6.58	3.76	18973
NZA-I5	010Yr-024Hr	4.41	4.87	-0.0005	8.61	6.29	20008
NZA-I5	025Yr-072Hr	4.41	4.99	-0.0003	10.50	8.52	21377
NZA-I5	100Yr-072Hr	4.41	5.34	-0.0003	14.07	12.72	25722

Node: NZA-I6

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	1.0300	44867
8.00	2.2800	99317

Comment: EX.AS-BUILT STRUCTURE 2025

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I6	005Yr-001Hr	4.24	3.64	0.0004	25.66	25.64	100
NZA-I6	005Yr-024Hr	4.24	4.19	0.0009	32.75	30.66	40415
NZA-I6	010Yr-024Hr	4.24	4.82	0.0009	45.95	35.62	53341
NZA-I6	025Yr-072Hr	4.24	4.99	0.0009	55.45	36.77	55679
NZA-I6	100Yr-072Hr	4.24	5.35	0.0009	69.49	41.06	60919

Node: NZA-I7

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4700	20473
8.00	1.4300	62291

Comment: EX.AS-BUILT STRUCTURE 36

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I7	005Yr-001Hr	3.56	3.86	0.0004	28.04	19.93	23287
NZA-I7	005Yr-024Hr	3.56	4.56	-0.0008	30.99	27.02	29899
NZA-I7	010Yr-024Hr	3.56	5.03	-0.0008	42.73	36.36	34331
NZA-I7	025Yr-072Hr	3.56	5.22	-0.0008	52.45	41.72	36096
NZA-I7	100Yr-072Hr	3.56	5.63	-0.0008	67.19	46.69	40039

Node: NZA-I8

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.51 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.01	0.0001	4
4.51	0.4200	18295
8.00	1.3600	59242

Comment: EX.AS-BUILT STRUCTURE 42

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I8	005Yr-001Hr	4.51	4.46	0.0005	10.44	5.50	16561
NZA-I8	005Yr-024Hr	4.51	4.77	-0.0002	10.98	9.09	21388
NZA-I8	010Yr-024Hr	4.51	5.03	-0.0002	15.35	13.80	24414
NZA-I8	025Yr-072Hr	4.51	5.23	-0.0002	19.44	17.32	26704
NZA-I8	100Yr-072Hr	4.51	5.65	0.0001	26.79	21.47	31645

Node: NZA-PS0

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0050	218

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS0	005Yr-001Hr	8.00	1.70	-0.0138	11.20	14.20	100
NZA-PS0	005Yr-024Hr	8.00	4.09	-0.0142	15.20	14.20	218
NZA-PS0	010Yr-024Hr	8.00	4.26	-0.0142	15.45	14.20	218
NZA-PS0	025Yr-072Hr	8.00	4.49	-0.0142	15.59	14.20	218
NZA-PS0	100Yr-072Hr	8.00	4.77	-0.0142	14.97	14.20	218

Node: NZA-PS1

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS1	005Yr-001Hr	8.00	2.00	0.0215	36.20	39.60	100
NZA-PS1	005Yr-024Hr	8.00	2.00	0.0241	38.57	39.60	100
NZA-PS1	010Yr-024Hr	8.00	2.10	0.0247	39.68	39.60	100
NZA-PS1	025Yr-072Hr	8.00	2.27	0.0245	39.70	39.60	100
NZA-PS1	100Yr-072Hr	8.00	2.44	0.0245	39.72	39.60	105

Node: NZA-PS2

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS2	005Yr-001Hr	8.00	2.00	-0.0152	28.55	33.00	121
NZA-PS2	005Yr-024Hr	8.00	2.00	0.0159	29.48	33.00	122
NZA-PS2	010Yr-024Hr	8.00	2.00	0.0201	33.09	33.00	122
NZA-PS2	025Yr-072Hr	8.00	2.21	0.0195	33.09	33.00	162
NZA-PS2	100Yr-072Hr	8.00	2.33	0.0195	33.10	33.00	186

Node: NZA-PS3

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100

Node: NZA-S-106

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
4.49	0.0070	305

Comment: FDOT PUMP STATION

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-106	005Yr-001Hr	8.00	2.00	-0.0114	17.71	42.88	768
NZA-S-106	005Yr-024Hr	8.00	2.00	-0.0117	21.10	42.88	768
NZA-S-106	010Yr-024Hr	8.00	2.00	-0.0117	24.58	45.18	768
NZA-S-106	025Yr-072Hr	8.00	2.00	-0.0117	27.70	46.85	768
NZA-S-106	100Yr-072Hr	8.00	2.00	-0.0119	33.54	51.34	768

Node: NZA-S-77

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-77	005Yr-001Hr	8.00	1.82	0.0000	0.28	0.06	1302
NZA-S-77	005Yr-024Hr	8.00	2.00	0.0001	0.26	0.27	1692
NZA-S-77	010Yr-024Hr	8.00	3.40	0.0002	3.22	1.01	1917
NZA-S-77	025Yr-072Hr	8.00	4.00	0.0003	4.64	1.71	1886
NZA-S-77	100Yr-072Hr	8.00	4.61	0.0004	6.60	3.19	1976

Node: NZA-S-82

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
0.00	0.0070	305

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-82	005Yr-001Hr	8.00	2.00	-0.0030	31.74	43.16	1715
NZA-S-82	005Yr-024Hr	8.00	2.00	0.0030	39.74	43.14	1779
NZA-S-82	010Yr-024Hr	8.00	3.40	-0.0030	48.01	46.10	1887
NZA-S-82	025Yr-072Hr	8.00	4.00	-0.0030	50.58	47.52	1887
NZA-S-82	100Yr-072Hr	8.00	4.61	-0.0030	53.76	49.48	1893

Node: NZA-S101

Scenario: OPTION 5
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174

Stage [ft]	Area [ac]	Area [ft2]
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S101	005Yr-001Hr	8.00	2.00	-0.0080	2.19	14.43	181
NZA-S101	005Yr-024Hr	8.00	2.00	-0.0081	4.06	14.74	181
NZA-S101	010Yr-024Hr	8.00	2.00	-0.0081	5.28	14.73	181
NZA-S101	025Yr-072Hr	8.00	2.00	-0.0082	6.83	14.76	181
NZA-S101	100Yr-072Hr	8.00	2.00	-0.0082	9.90	14.77	181

Node: OUTFALL (88th)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.20 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.20
0	0	0	99999.0000	1.20

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (88th)	005Yr-001Hr	8.00	1.20	0.0000	6.86	0.00	0
OUTFALL (88th)	005Yr-024Hr	8.00	1.20	0.0000	14.06	0.00	0
OUTFALL (88th)	010Yr-024Hr	8.00	1.20	0.0000	22.08	0.00	0
OUTFALL (88th)	025Yr-072Hr	8.00	1.20	0.0000	29.19	0.00	0
OUTFALL	100Yr-072Hr	8.00	1.20	0.0000	34.09	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(88th)							

Node: OUTFALL (89th)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (89th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	010Yr-024Hr	8.00	1.60	0.0000	0.10	0.00	0
OUTFALL (89th)	025Yr-072Hr	8.00	1.60	0.0000	2.67	0.00	0
OUTFALL (89th)	100Yr-072Hr	8.00	1.60	0.0000	10.43	0.00	0

Node: OUTFALL (91st) - A

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - A	005Yr-001Hr	8.00	1.60	0.0000	13.02	0.00	0
OUTFALL (91st) - A	005Yr-024Hr	8.00	1.60	0.0000	27.02	0.00	0
OUTFALL (91st) - A	010Yr-024Hr	8.00	1.60	0.0000	35.68	0.00	0
OUTFALL (91st) - A	025Yr-072Hr	8.00	1.60	0.0000	39.12	0.00	0
OUTFALL (91st) - A	100Yr-072Hr	8.00	1.60	0.0000	52.41	0.00	0

Node: OUTFALL (91st) - B

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - B	005Yr-001Hr	8.00	1.60	0.0000	12.76	0.00	0
OUTFALL	005Yr-024Hr	8.00	1.60	0.0000	20.54	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(91st) - B							
OUTFALL (91st) - B	010Yr-024Hr	8.00	1.60	0.0000	24.92	0.00	0
OUTFALL (91st) - B	025Yr-072Hr	8.00	1.60	0.0000	27.74	0.00	0
OUTFALL (91st) - B	100Yr-072Hr	8.00	1.60	0.0000	40.55	0.00	0

Node: OUTFALL (92nd)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (92nd)	005Yr-001Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	005Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	010Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	025Yr-072Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	100Yr-072Hr	8.00	1.60	0.0000	19.96	0.00	0

Node: OUTFALL (94th)

Scenario: OPTION 5

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.01	0.00	0
OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	1.13	0.00	0
OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	13.34	0.00	0
OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	43.56	0.00	0

Node: OUTFALL (95th)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (95th)	005Yr-001Hr	8.00	1.60	0.0000	6.66	0.00	0
OUTFALL (95th)	005Yr-024Hr	8.00	1.60	0.0000	8.25	0.00	0
OUTFALL (95th)	010Yr-024Hr	8.00	1.60	0.0000	23.80	0.00	0
OUTFALL (95th)	025Yr-072Hr	8.00	1.60	0.0000	35.31	0.00	0
OUTFALL (95th)	100Yr-072Hr	8.00	1.60	0.0000	52.72	0.00	0

Node: OUTFALL (96th)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (96th)	005Yr-001Hr	8.00	1.60	0.0000	11.20	0.00	0
OUTFALL (96th)	005Yr-024Hr	8.00	1.60	0.0000	13.26	0.00	0
OUTFALL (96th)	010Yr-024Hr	8.00	1.60	0.0000	17.53	0.00	0
OUTFALL (96th)	025Yr-072Hr	8.00	1.60	0.0000	20.03	0.00	0
OUTFALL (96th)	100Yr-072Hr	8.00	1.60	0.0000	24.36	0.00	0

Node: OUTFALL (CARLYLE)

Scenario: OPTION 5
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 5]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	25.67	0.00	0
OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	30.69	0.00	0
OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	35.64	0.00	0
OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	36.79	0.00	0
OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	39.25	0.00	0

Drop Structure Link: CS-01

Scenario: OPTION 5
From Node: NZA-CS-01
To Node: NZA-DS1
Link Count: 1
Flow Direction: Both
Solution: Combine
Increments: 0
Pipe Count: 1
Damping: 0.0000 ft
Length: 175.00 ft
FHWA Code: 0
Entr Loss Coef: 0.00
Exit Loss Coef: 0.00
Bend Loss Coef: 0.00
Bend Location: 0.00 dec

Upstream Pipe		Downstream Pipe	
Invert:	-1.83 ft	Invert:	-1.20 ft
Manning's N:	0.0120	Manning's N:	0.0120
Geometry: Circular		Geometry: Circular	
Max Depth:	2.50 ft	Max Depth:	2.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Energy Switch: Energy

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-01 - Pipe	005Yr-001Hr	0.04	0.00	0.03	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-001Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-01 - Pipe	005Yr-024Hr	0.06	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-01 - Pipe	010Yr-024Hr	1.03	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	010Yr-024Hr	1.03	0.00	0.05	1.15	1.15	1.15
CS-01 - Pipe	025Yr-072Hr	3.73	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	025Yr-072Hr	3.73	0.00	0.04	1.76	1.76	1.76
CS-01 - Pipe	100Yr-072Hr	7.37	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	100Yr-072Hr	7.37	0.00	0.04	2.21	2.21	2.21

Drop Structure Link: CS-02		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 5	Invert:	-2.30 ft	Invert:	-1.20 ft
From Node:	NZA-CS-02	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	80.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Positive	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	2.00 ft	Op Table:	
Control Elevation:	2.00 ft	Ref Node:	
Max Depth:	0.75 ft	Discharge Coefficients	
Max Width:	7.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Pipe	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Pipe	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Pipe	010Yr-024Hr	0.09	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	010Yr-024Hr	0.09	0.00	0.04	0.00	0.00	0.00
CS-02 - Pipe	025Yr-072Hr	2.53	0.00	0.04	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Weir: 1	025Yr-072Hr	2.53	0.00	0.04	1.55	1.55	1.55
CS-02 - Pipe	100Yr-072Hr	4.75	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	100Yr-072Hr	4.75	0.00	0.04	1.91	1.91	1.91

Drop Structure Link: CS-03		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 5	Invert:	-4.50 ft	Invert:	-4.70 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	60.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-03 - Pipe	005Yr-001Hr	25.62	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-001Hr	25.62	0.00	0.01	4.88	4.88	4.88
CS-03 - Pipe	005Yr-024Hr	30.66	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-024Hr	30.66	0.00	0.01	5.84	5.84	5.84
CS-03 - Pipe	010Yr-024Hr	35.62	0.00	-0.01	0.00	0.00	0.00
CS-03 - Weir: 1	010Yr-024Hr	35.62	0.00	0.01	6.78	6.78	6.78
CS-03 - Pipe	025Yr-072Hr	36.77	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	025Yr-072Hr	36.77	0.00	0.02	7.00	7.00	7.00
CS-03 - Pipe	100Yr-072Hr	39.24	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	100Yr-072Hr	39.24	0.00	-0.01	7.47	7.47	7.47

Drop Structure Link: CS-04		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 5	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-CS-04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (95th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	181.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft		

Control Elevation:	2.00 ft
Max Depth:	0.75 ft
Max Width:	7.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-04 - Pipe	005Yr-001Hr	6.66	0.00	0.00	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-001Hr	6.66	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	005Yr-024Hr	8.25	0.00	-0.01	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-024Hr	8.25	0.00	-0.01	2.00	2.00	2.00
CS-04 - Pipe	010Yr-024Hr	9.15	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	010Yr-024Hr	9.15	0.00	0.04	2.00	2.00	2.00
CS-04 - Pipe	025Yr-072Hr	9.43	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	025Yr-072Hr	9.43	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	100Yr-072Hr	10.02	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	100Yr-072Hr	10.02	0.00	-0.04	2.00	2.00	2.00

Drop Structure Link: CS-05		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 5	Invert:	-2.33 ft	Invert:	1.21 ft
From Node:	NZA-CS-05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS0	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	

Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.10 ft	Ref Node:	
Control Elevation:	2.10 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-05 - Pipe	005Yr-001Hr	11.20	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-001Hr	11.20	0.00	0.00	2.13	2.13	2.13
CS-05 - Pipe	005Yr-024Hr	15.20	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-024Hr	15.20	0.00	-0.02	2.90	2.90	2.90
CS-05 - Pipe	010Yr-024Hr	15.45	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	010Yr-024Hr	15.45	0.00	-0.02	2.94	2.94	2.94
CS-05 - Pipe	025Yr-072Hr	15.59	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	025Yr-072Hr	15.59	0.00	-0.02	2.97	2.97	2.97
CS-05 - Pipe	100Yr-072Hr	14.97	0.00	-0.02	0.00	0.00	0.00
CS-05 - Weir: 1	100Yr-072Hr	14.97	0.00	-0.02	2.85	2.85	2.85

Drop Structure Link: CS-06(R3)		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 5	Invert:	-1.88 ft	Invert:	-2.30 ft

From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	153.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Positive	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	2.00 ft	Op Table:	
Control Elevation:	2.00 ft	Ref Node:	
Max Depth:	0.75 ft	Discharge Coefficients	
Max Width:	7.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	005Yr-001Hr	13.02	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-001Hr	13.02	0.00	0.00	2.67	2.67	2.67
CS-06(R3) - Pipe	005Yr-024Hr	27.02	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-024Hr	27.02	0.00	-0.01	5.15	5.15	5.15

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	010Yr-024Hr	35.68	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	010Yr-024Hr	35.68	0.00	-0.01	6.80	6.80	6.80
CS-06(R3) - Pipe	025Yr-072Hr	37.74	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	025Yr-072Hr	37.74	0.00	-0.01	7.19	7.19	7.19
CS-06(R3) - Pipe	100Yr-072Hr	39.36	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	100Yr-072Hr	39.36	0.00	-0.01	7.50	7.50	7.50

Drop Structure Link: CS-07		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 5	Invert:	-2.19 ft	Invert:	-2.90 ft
From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	213.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft		

Orifice Default: 0.600
Orifice Table:

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-07 - Pipe	005Yr-001Hr	12.76	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-001Hr	12.76	0.00	0.00	2.62	2.62	2.62
CS-07 - Pipe	005Yr-024Hr	20.54	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-024Hr	20.54	0.00	-0.01	3.91	3.91	3.91
CS-07 - Pipe	010Yr-024Hr	24.92	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	010Yr-024Hr	24.92	0.00	0.00	4.75	4.75	4.75
CS-07 - Pipe	025Yr-072Hr	26.36	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	025Yr-072Hr	26.36	0.00	0.00	5.02	5.02	5.02
CS-07 - Pipe	100Yr-072Hr	27.49	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	100Yr-072Hr	27.49	0.00	0.00	5.24	5.24	5.24

Drop Structure Link: CS-08		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 5	Invert:	-1.58 ft	Invert:	-1.58 ft
From Node:	NZA-I1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (88th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	15.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-08 - Pipe	005Yr-001Hr	6.86	0.00	-0.01	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-001Hr	6.87	0.00	-0.01	2.16	2.16	2.16
CS-08 - Pipe	005Yr-024Hr	14.06	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-024Hr	14.06	0.00	-0.02	2.74	2.74	2.74
CS-08 - Pipe	010Yr-024Hr	22.08	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	010Yr-024Hr	22.08	0.00	-0.02	4.21	4.21	4.21
CS-08 - Pipe	025Yr-072Hr	29.19	0.00	-0.10	0.00	0.00	0.00
CS-08 - Weir: 1	025Yr-072Hr	29.19	0.00	-0.11	5.56	5.56	5.56
CS-08 - Pipe	100Yr-072Hr	30.85	0.00	-0.11	0.00	0.00	0.00
CS-08 - Weir: 1	100Yr-072Hr	30.85	0.00	-0.11	5.88	5.88	5.88

Rating Curve Link: D-00

Scenario: OPTION 5
From Node: NZA-PS0
To Node: OUTFALL (92nd)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0004	1.70		1.60	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D-00	005Yr-001Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	005Yr-024Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	010Yr-024Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	025Yr-072Hr	14.20	0.00	-14.20	0.00	0.00	0.00
D-00	100Yr-072Hr	14.20	0.00	-13.98	0.00	0.00	0.00

Rating Curve Link: DW 1-3

Scenario: OPTION 5
From Node: NZA-PS1
To Node: AQUIFER (94th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0001	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 1-3	005Yr-001Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	005Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	010Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	025Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	100Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00

Rating Curve Link: DW 4-6

Scenario: OPTION 5
From Node: NZA-PS2
To Node: AQUIFER (89th)

Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0002	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 4-6	005Yr-001Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	005Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	010Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	025Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	100Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00

Rating Curve Link: DW 7-9

Scenario: OPTION 5
From Node: NZA-PS3
To Node: AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0003	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 7-9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S102-S105

Scenario: OPTION 5

From Node: NZA-S-82
To Node: FDOT AQUIFER (94TH)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-102, S-103, S-104, S-105

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S102-S105	005Yr-001Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	010Yr-024Hr	42.88	0.00	41.54	0.00	0.00	0.00
FDOT DW-S102-S105	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	100Yr-072Hr	42.88	0.00	42.88	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S96-S99

Scenario: OPTION 5
From Node: NZA-S-106
To Node: FDOT AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-96, S-97, S-98, S-99

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S96-S99	005Yr-001Hr	42.88	0.00	41.54	0.00	0.00	0.00
FDOT DW-	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S96-S99							
FDOT DW-S96-S99	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	100Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00

Pipe Link: FDOT-P-2B-3B		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.97 ft	Invert:	-4.38 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	657.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT-P-2B-3B	005Yr-001Hr	9.82	-7.25	3.06	1.02	1.02	1.02
FDOT-P-2B-3B	005Yr-024Hr	9.82	-8.53	3.06	1.02	1.02	1.02
FDOT-P-2B-3B	010Yr-024Hr	9.82	-11.80	3.06	-1.23	-1.23	-1.23
FDOT-P-2B-3B	025Yr-072Hr	9.82	-14.25	3.06	-1.48	-1.48	-1.48
FDOT-P-2B-3B	100Yr-072Hr	9.82	-16.22	3.06	-1.69	-1.69	-1.69

Pipe Link: P-A1-A2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.61 ft	Invert:	-1.81 ft
From Node:	NZA-A2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-A2	005Yr-001Hr	4.80	-0.07	-0.11	3.91	3.91	3.91
P-A1-A2	005Yr-024Hr	6.20	-0.07	-0.11	5.06	5.06	5.06
P-A1-A2	010Yr-024Hr	6.17	-0.07	-0.11	5.03	5.03	5.03
P-A1-A2	025Yr-072Hr	6.17	-0.07	-0.11	5.02	5.02	5.02
P-A1-A2	100Yr-072Hr	6.15	-0.07	-0.11	5.02	5.02	5.02

Pipe Link: P-A1-B1		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-4.90 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	490.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-B1	005Yr-001Hr	4.23	0.00	-0.16	2.40	2.40	2.40
P-A1-B1	005Yr-024Hr	6.81	-0.13	0.27	3.85	3.85	3.85
P-A1-B1	010Yr-024Hr	7.02	-0.09	0.26	3.97	3.97	3.97
P-A1-B1	025Yr-072Hr	6.75	-1.40	0.33	3.82	3.82	3.82
P-A1-B1	100Yr-072Hr	5.97	-1.78	0.32	3.38	3.38	3.38

Pipe Link: P-A1-CS-04		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.81 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-CS-04	005Yr-001Hr	6.66	-0.51	-0.05	3.77	3.77	3.77
P-A1-CS-04	005Yr-024Hr	8.25	-0.74	-0.08	4.67	4.67	4.67
P-A1-CS-04	010Yr-024Hr	9.15	-0.73	-0.08	5.18	5.18	5.18
P-A1-CS-04	025Yr-072Hr	9.43	-0.75	-0.09	5.33	5.33	5.33
P-A1-CS-04	100Yr-072Hr	10.02	-0.74	-0.09	5.67	5.67	5.67

Pipe Link: P-A2-A3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.54 ft	Invert:	-1.61 ft
From Node:	NZA-A3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A2-A3	005Yr-001Hr	2.75	-0.17	0.12	2.24	2.24	2.24
P-A2-A3	005Yr-024Hr	4.25	-0.17	0.12	3.46	3.46	3.46
P-A2-A3	010Yr-024Hr	4.23	-0.17	0.12	3.45	3.45	3.45
P-A2-A3	025Yr-072Hr	4.11	-0.17	0.12	3.35	3.35	3.35
P-A2-A3	100Yr-072Hr	4.00	-0.17	0.12	3.26	3.26	3.26

Pipe Link: P-A3-A4		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.08 ft	Invert:	-1.54 ft
From Node:	NZA-A4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A3-A4	005Yr-001Hr	1.05	-0.98	-0.08	0.86	0.86	0.86
P-A3-A4	005Yr-024Hr	2.97	-0.77	-0.08	2.42	2.42	2.42
P-A3-A4	010Yr-024Hr	2.87	-0.83	-0.08	2.33	2.33	2.33
P-A3-A4	025Yr-072Hr	2.70	-0.76	-0.08	2.20	2.20	2.20
P-A3-A4	100Yr-072Hr	2.50	-0.36	-0.08	2.04	2.04	2.04

Pipe Link: P-A4-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-0.82 ft	Invert:	-1.08 ft
From Node:	FDOT-1B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	229.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A4-FDOT1B	005Yr-001Hr	0.87	-0.70	0.02	1.59	1.59	1.59
P-A4-FDOT1B	005Yr-024Hr	0.81	-1.32	0.02	-2.43	-2.43	-2.43
P-A4-FDOT1B	010Yr-024Hr	0.78	-1.35	0.02	-2.48	-2.48	-2.48
P-A4-FDOT1B	025Yr-072Hr	0.67	-1.39	0.02	-2.55	-2.55	-2.55
P-A4-FDOT1B	100Yr-072Hr	0.67	-1.43	0.02	-2.62	-2.62	-2.62

Pipe Link: P-AA1-AA2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	117.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA1-AA2	005Yr-001Hr	9.04	0.00	0.00	2.41	2.58	2.50
P-AA1-AA2	005Yr-024Hr	10.66	0.00	0.00	2.58	2.75	2.66
P-AA1-AA2	010Yr-024Hr	14.03	0.00	0.01	2.89	3.07	2.98
P-AA1-AA2	025Yr-072Hr	16.02	0.00	0.01	3.06	3.26	3.16
P-AA1-AA2	100Yr-072Hr	19.43	0.00	0.01	3.34	3.54	3.44

Pipe Link: P-AA2-AA3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	133.29 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA2-AA3	005Yr-001Hr	7.02	0.00	0.00	1.81	2.64	1.97
P-AA2-AA3	005Yr-024Hr	8.23	0.00	0.00	1.92	2.64	1.97
P-AA2-AA3	010Yr-024Hr	10.81	0.00	0.01	2.17	2.64	2.20
P-AA2-AA3	025Yr-072Hr	12.41	0.00	0.02	2.32	2.64	2.36
P-AA2-AA3	100Yr-072Hr	15.10	0.00	0.02	2.55	2.64	2.59

Pipe Link: P-AA3-AA4		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	0.00 ft	Invert:	0.00 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.03 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA3-AA4	005Yr-001Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	005Yr-024Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	010Yr-024Hr	7.78	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	025Yr-072Hr	8.91	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	100Yr-072Hr	10.94	0.00	1.64	1.55	1.55	1.55

Pipe Link: P-AA4-AA5		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	126.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA4-AA5	005Yr-001Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	005Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	010Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	025Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	100Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88

Pipe Link: P-AA5-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-1B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	626.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA5-FDOT1B	005Yr-001Hr	0.87	-1.32	0.00	-2.41	3.23	-2.42
P-AA5-FDOT1B	005Yr-024Hr	0.87	-1.33	0.00	-2.44	3.23	-2.46
P-AA5-FDOT1B	010Yr-024Hr	0.87	-1.32	0.00	-2.42	3.23	-2.43
P-AA5-FDOT1B	025Yr-072Hr	0.87	-1.42	0.00	-2.60	3.23	-2.60
P-AA5-FDOT1B	100Yr-072Hr	0.87	-1.48	0.00	-2.71	3.23	-2.71

Pipe Link: P-AA7-A4		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA7-A4	005Yr-001Hr	0.00	-3.19	-0.01	-2.60	-2.60	-2.60
P-AA7-A4	005Yr-024Hr	2.68	-2.11	-0.01	2.18	2.18	2.18
P-AA7-A4	010Yr-024Hr	2.38	-1.87	-0.01	1.94	1.94	1.94
P-AA7-A4	025Yr-072Hr	2.15	-1.12	-0.01	1.75	1.75	1.75
P-AA7-A4	100Yr-072Hr	1.59	-1.18	0.02	1.30	1.30	1.30

Pipe Link: P-B1-B2	Upstream	Downstream

Scenario:	OPTION 5	Invert:	-4.86 ft	Invert:	-4.90 ft
From Node:	NZA-B2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-B2	005Yr-001Hr	15.29	-3.51	1.77	3.12	3.12	3.12
P-B1-B2	005Yr-024Hr	20.10	-4.83	1.97	4.09	4.09	4.09
P-B1-B2	010Yr-024Hr	23.66	-4.90	2.04	4.82	4.82	4.82
P-B1-B2	025Yr-072Hr	23.35	-4.96	2.01	4.76	4.76	4.76
P-B1-B2	100Yr-072Hr	23.23	-4.76	2.09	4.73	4.73	4.73

Pipe Link: P-B1-CS-01		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.75 ft	Invert:	-2.83 ft
From Node:	NZA-B1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-CS-01	005Yr-001Hr	32.86	-0.59	2.11	6.69	6.69	6.69
P-B1-CS-01	005Yr-024Hr	37.55	-0.59	2.32	7.65	7.65	7.65
P-B1-CS-01	010Yr-024Hr	40.63	-0.59	2.32	8.28	8.28	8.28
P-B1-CS-01	025Yr-072Hr	43.33	-0.59	2.36	8.83	8.83	8.83
P-B1-CS-01	100Yr-072Hr	46.97	-0.59	2.41	9.57	9.57	9.57

Pipe Link: P-B2-B3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-4.54 ft	Invert:	-4.86 ft
From Node:	NZA-B3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B2-B3	005Yr-001Hr	6.04	-4.18	0.66	1.92	1.92	1.92
P-B2-B3	005Yr-024Hr	9.09	-4.83	0.96	2.89	2.89	2.89
P-B2-B3	010Yr-024Hr	13.19	-4.84	0.93	4.20	4.20	4.20
P-B2-B3	025Yr-072Hr	9.55	-4.86	0.98	3.04	3.04	3.04
P-B2-B3	100Yr-072Hr	9.56	-5.62	-0.97	3.04	3.04	3.04

Pipe Link: P-B3-B4		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-3.77 ft	Invert:	-4.54 ft
From Node:	NZA-B4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B3-B4	005Yr-001Hr	2.67	-4.77	-0.73	-1.52	-1.52	-1.52
P-B3-B4	005Yr-024Hr	3.48	-5.07	-0.77	-1.61	-1.61	-1.61
P-B3-B4	010Yr-024Hr	7.43	-5.06	-0.75	2.36	2.36	2.36
P-B3-B4	025Yr-072Hr	11.19	-6.04	-0.81	3.56	3.56	3.56
P-B3-B4	100Yr-072Hr	11.63	-9.30	-0.79	3.70	3.70	3.70

Pipe Link: P-B4-C2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	0.58 ft	Invert:	-0.46 ft
From Node:	NZA-C2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	628.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B4-C2	005Yr-001Hr	1.75	-0.01	0.05	3.20	3.20	3.20
P-B4-C2	005Yr-024Hr	1.85	-0.01	0.05	3.40	3.40	3.40
P-B4-C2	010Yr-024Hr	1.85	-0.01	0.05	3.39	3.39	3.39
P-B4-C2	025Yr-072Hr	1.85	-0.01	0.05	3.39	3.39	3.39
P-B4-C2	100Yr-072Hr	1.85	-0.01	0.05	3.39	3.39	3.39

Pipe Link: P-C1-B1		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.88 ft	Invert:	-2.60 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	674.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-B1	005Yr-001Hr	5.19	-0.14	-0.14	2.94	2.94	2.94
P-C1-B1	005Yr-024Hr	6.86	-0.13	0.15	3.88	3.88	3.88
P-C1-B1	010Yr-024Hr	7.78	-0.13	0.16	4.40	4.40	4.40
P-C1-B1	025Yr-072Hr	8.14	-0.13	0.23	4.60	4.60	4.60
P-C1-B1	100Yr-072Hr	8.22	-0.13	0.22	4.65	4.65	4.65

Pipe Link: P-C1-D2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.60 ft	Invert:	-2.05 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	715.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-D2	005Yr-001Hr	1.81	-2.05	0.13	-1.16	-1.16	-1.16
P-C1-D2	005Yr-024Hr	2.48	-4.66	0.13	-2.64	-2.64	-2.64
P-C1-D2	010Yr-024Hr	2.70	-4.80	0.13	-2.72	-2.72	-2.72
P-C1-D2	025Yr-072Hr	2.01	-5.00	0.13	-2.83	-2.83	-2.83
P-C1-D2	100Yr-072Hr	0.15	-4.95	0.13	-2.80	-2.80	-2.80

Pipe Link: P-CS-TOWN-AA1		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-TOWN	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-TOWN-AA1	005Yr-001Hr	11.20	0.00	0.00	3.20	3.67	3.44
P-CS-TOWN-AA1	005Yr-024Hr	13.26	0.00	0.00	3.42	3.91	3.66
P-CS-TOWN-AA1	010Yr-024Hr	17.53	0.00	0.00	3.83	4.34	4.08
P-CS-TOWN-AA1	025Yr-072Hr	20.03	0.00	0.00	4.05	4.57	4.31
P-CS-TOWN-AA1	100Yr-072Hr	24.36	0.00	0.00	4.40	4.95	4.68

Pipe Link: P-CS3-S3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS3-S3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-D1-CS-05	Upstream	Downstream

Scenario:	OPTION 5	Invert:	-1.50 ft	Invert:	-2.70 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-05	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-CS-05	005Yr-001Hr	11.21	-0.04	0.06	3.57	3.57	3.57
P-D1-CS-05	005Yr-024Hr	15.25	-0.10	-0.38	4.85	4.85	4.85
P-D1-CS-05	010Yr-024Hr	15.52	-0.09	-0.37	4.94	4.94	4.94
P-D1-CS-05	025Yr-072Hr	15.68	-0.11	0.34	4.99	4.99	4.99
P-D1-CS-05	100Yr-072Hr	15.00	-0.10	-0.37	4.77	4.77	4.77

Pipe Link: P-D1-D2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.05 ft	Invert:	-2.35 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-D2	005Yr-001Hr	9.89	-0.11	-0.11	4.11	4.11	4.11
P-D1-D2	005Yr-024Hr	12.33	-0.13	-0.11	5.13	5.13	5.13
P-D1-D2	010Yr-024Hr	12.24	-0.11	-0.11	5.09	5.09	5.09
P-D1-D2	025Yr-072Hr	12.19	-0.20	-0.18	5.07	5.07	5.07
P-D1-D2	100Yr-072Hr	12.33	-0.17	-0.11	5.13	5.13	5.13

Pipe Link: P-D1-E1		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.35 ft	Invert:	-2.90 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	694.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-E1	005Yr-001Hr	2.42	-0.06	0.03	1.37	1.37	1.37
P-D1-E1	005Yr-024Hr	5.29	-0.06	0.04	2.99	2.99	2.99
P-D1-E1	010Yr-024Hr	5.30	-0.06	-0.04	3.00	3.00	3.00
P-D1-E1	025Yr-072Hr	5.31	-0.08	-0.06	3.01	3.01	3.01
P-D1-E1	100Yr-072Hr	5.32	-0.07	-0.04	3.01	3.01	3.01

Pipe Link: P-D2-D3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.70 ft	Invert:	-2.05 ft
From Node:	NZA-D3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-D3	005Yr-001Hr	4.43	-0.02	0.02	2.51	2.51	2.51
P-D2-D3	005Yr-024Hr	8.00	-0.02	-0.04	4.53	4.53	4.53
P-D2-D3	010Yr-024Hr	8.00	-0.02	0.03	4.53	4.53	4.53
P-D2-D3	025Yr-072Hr	7.99	-0.02	0.20	4.52	4.52	4.52
P-D2-D3	100Yr-072Hr	8.03	-0.02	-0.11	4.54	4.54	4.54

Pipe Link: P-D2-E3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.70 ft	Invert:	-2.10 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.83 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-E3	005Yr-001Hr	0.08	-4.59	-0.08	-1.91	-1.91	-1.91
P-D2-E3	005Yr-024Hr	1.35	-5.34	-0.08	-2.22	-2.22	-2.22
P-D2-E3	010Yr-024Hr	1.87	-5.94	-0.08	-2.47	-2.47	-2.47
P-D2-E3	025Yr-072Hr	2.25	-5.22	-0.11	-2.17	-2.17	-2.17
P-D2-E3	100Yr-072Hr	2.04	-2.48	-0.08	-1.03	-1.03	-1.03

Pipe Link: P-D3-D4		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.33 ft	Invert:	-2.70 ft
From Node:	NZA-D4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D3-D4	005Yr-001Hr	2.39	-0.01	0.00	3.04	3.04	3.04
P-D3-D4	005Yr-024Hr	3.28	-0.01	0.01	4.18	4.18	4.18
P-D3-D4	010Yr-024Hr	3.27	-0.01	0.01	4.16	4.16	4.16
P-D3-D4	025Yr-072Hr	3.16	-0.01	0.01	4.02	4.02	4.02
P-D3-D4	100Yr-072Hr	2.77	-0.01	0.01	3.53	3.53	3.53

Pipe Link: P-D4-D5		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.43 ft	Invert:	-2.33 ft
From Node:	NZA-D5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D4-D5	005Yr-001Hr	1.39	-0.01	0.00	1.76	1.76	1.76
P-D4-D5	005Yr-024Hr	1.48	-0.01	0.00	1.88	1.88	1.88
P-D4-D5	010Yr-024Hr	1.47	-0.01	0.00	1.87	1.87	1.87
P-D4-D5	025Yr-072Hr	1.70	-0.01	-0.01	2.16	2.16	2.16
P-D4-D5	100Yr-072Hr	1.88	-0.01	0.01	2.40	2.40	2.40

Pipe Link: P-D5-D6		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.42 ft	Invert:	-2.43 ft
From Node:	NZA-D6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	301.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D5-D6	005Yr-001Hr	0.67	-0.41	0.02	0.85	0.85	0.85
P-D5-D6	005Yr-024Hr	1.25	-0.33	0.00	1.60	1.60	1.60
P-D5-D6	010Yr-024Hr	1.25	0.00	0.00	1.59	1.59	1.59
P-D5-D6	025Yr-072Hr	1.25	0.00	0.01	1.59	1.59	1.59
P-D5-D6	100Yr-072Hr	1.26	0.00	0.01	1.60	1.60	1.60

Pipe Link: P-D6-D7		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.42 ft	Invert:	-2.42 ft
From Node:	NZA-D7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D6-D7	005Yr-001Hr	0.04	-1.58	-0.03	-2.02	-2.02	-2.02
P-D6-D7	005Yr-024Hr	0.32	-0.93	-0.01	-1.18	-1.18	-1.18
P-D6-D7	010Yr-024Hr	0.31	-0.95	0.01	-1.22	-1.22	-1.22
P-D6-D7	025Yr-072Hr	0.34	0.00	0.01	0.43	0.43	0.43
P-D6-D7	100Yr-072Hr	0.41	-0.04	-0.01	0.53	0.53	0.53

Pipe Link: P-DS1-OUTFALL (94TH)		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.20 ft	Invert:	-3.12 ft
From Node:	NZA-DS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS1-OUTFALL (94TH)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	005Yr-024Hr	0.01	0.00	0.01	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	010Yr-024Hr	1.13	0.00	0.15	0.23	0.23	0.23
P-DS1-OUTFALL (94TH)	025Yr-072Hr	3.93	0.00	-0.37	0.80	0.80	0.80
P-DS1-OUTFALL (94TH)	100Yr-072Hr	7.53	0.00	-0.38	1.53	1.53	1.53

Pipe Link: P-DS2-OUTFALL		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.20 ft	Invert:	-2.47 ft
From Node:	NZA-DS2	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (89th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	010Yr-024Hr	0.10	0.00	0.02	0.03	0.03	0.03
P-DS2-OUTFALL	025Yr-072Hr	2.67	0.00	0.21	0.85	0.85	0.85
P-DS2-OUTFALL	100Yr-072Hr	4.91	0.00	0.26	1.56	1.56	1.56

Pipe Link: P-DS3-OUTFALL(CARLYLE)		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-4.70 ft	Invert:	-4.00 ft
From Node:	NZA-DS3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	11.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS3-OUTFALL(CARLYLE)	005Yr-001Hr	25.67	0.00	-10.12	3.63	3.63	3.63
P-DS3-OUTFALL(CARLYLE)	005Yr-024Hr	30.69	0.00	10.45	4.34	4.34	4.34
P-DS3-OUTFALL(CARLYLE)	010Yr-024Hr	35.64	0.00	10.47	5.04	5.04	5.04
P-DS3-OUTFALL(CARLYLE)	025Yr-072Hr	36.79	0.00	10.56	5.20	5.20	5.20
P-DS3-OUTFA	100Yr-072Hr	39.25	0.00	10.52	5.55	5.55	5.55

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LL(CARLYLE)							

Pipe Link: P-E1-E2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.57 ft	Invert:	-2.18 ft
From Node:	NZA-E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	230.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	005Yr-001Hr	15.20	-0.02	0.13	4.84	4.84	4.84
P-E1-E2	005Yr-024Hr	19.58	-0.02	-0.22	6.23	6.23	6.23
P-E1-E2	010Yr-024Hr	19.40	-0.02	0.14	6.17	6.17	6.17
P-E1-E2	025Yr-072Hr	19.43	-0.02	0.21	6.19	6.19	6.19
P-E1-E2	100Yr-072Hr	19.45	-0.02	-0.24	6.19	6.19	6.19

Pipe Link: P-E1-F1		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.90 ft	Invert:	-2.71 ft
From Node:	NZA-F1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	692.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-F1	005Yr-001Hr	3.43	-1.31	-0.01	1.94	1.94	1.94
P-E1-F1	005Yr-024Hr	4.48	-0.96	0.09	2.53	2.53	2.53
P-E1-F1	010Yr-024Hr	4.36	-0.88	0.07	2.47	2.47	2.47
P-E1-F1	025Yr-072Hr	4.11	-0.80	-0.10	2.33	2.33	2.33
P-E1-F1	100Yr-072Hr	3.81	-1.05	-0.06	2.16	2.16	2.16

Pipe Link: P-E2-E3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-0.45 ft	Invert:	-1.57 ft
From Node:	NZA-E3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E2-E3	005Yr-001Hr	8.71	-0.04	0.16	2.77	2.77	2.77
P-E2-E3	005Yr-024Hr	13.26	-0.04	0.23	4.22	4.22	4.22
P-E2-E3	010Yr-024Hr	13.33	-0.04	-0.17	4.24	4.24	4.24
P-E2-E3	025Yr-072Hr	13.37	-0.07	0.25	4.25	4.25	4.25

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E2-E3	100Yr-072Hr	13.32	-0.05	-0.28	4.24	4.24	4.24

Pipe Link: P-E3-E4		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.57 ft	Invert:	-0.45 ft
From Node:	NZA-E4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	283.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	005Yr-001Hr	7.28	-0.02	0.18	2.32	4.12	3.22
P-E3-E4	005Yr-024Hr	10.31	-0.02	-0.26	3.28	5.84	4.56
P-E3-E4	010Yr-024Hr	10.37	-0.02	0.26	3.30	5.87	4.59
P-E3-E4	025Yr-072Hr	10.34	-0.02	0.27	3.29	5.85	4.57
P-E3-E4	100Yr-072Hr	10.34	-0.02	0.26	3.29	5.85	4.57

Pipe Link: P-E4-E5		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.57 ft	Invert:	-1.57 ft
From Node:	NZA-E5	Manning's N:	0.0012	Manning's N:	0.0012
To Node:	NZA-E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	277.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E4-E5	005Yr-001Hr	9.93	-0.03	9.89	3.16	3.16	3.16
P-E4-E5	005Yr-024Hr	18.68	-0.55	-13.18	5.95	5.95	5.95
P-E4-E5	010Yr-024Hr	20.18	-0.47	-12.99	6.42	6.42	6.42
P-E4-E5	025Yr-072Hr	19.68	-0.40	-12.94	6.27	6.27	6.27
P-E4-E5	100Yr-072Hr	22.48	-0.35	-12.99	7.16	7.16	7.16

Pipe Link: P-E5-E6		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.79 ft	Invert:	-1.57 ft
From Node:	NZA-E6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.25 ft	Max Depth:	2.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E5-E6	005Yr-001Hr	4.03	-3.68	0.74	1.01	1.01	1.01
P-E5-E6	005Yr-024Hr	8.61	-3.50	-1.29	2.16	2.16	2.16
P-E5-E6	010Yr-024Hr	8.53	-3.08	0.77	2.15	2.15	2.15
P-E5-E6	025Yr-072Hr	8.27	-0.01	0.48	2.08	2.08	2.08

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E5-E6	100Yr-072Hr	8.09	-0.01	0.52	2.03	2.03	2.03

Pipe Link: P-E6-E7		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.89 ft	Invert:	-1.79 ft
From Node:	NZA-E7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	005Yr-001Hr	2.57	-2.22	0.04	1.45	1.45	1.45
P-E6-E7	005Yr-024Hr	5.80	-1.79	0.05	3.28	3.28	3.28
P-E6-E7	010Yr-024Hr	5.76	-1.24	0.05	3.26	3.26	3.26
P-E6-E7	025Yr-072Hr	5.45	-0.01	0.06	3.08	3.08	3.08
P-E6-E7	100Yr-072Hr	5.22	-0.01	0.05	2.95	2.95	2.95

Pipe Link: P-E7-E8		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-0.69 ft	Invert:	-1.89 ft
From Node:	NZA-E8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E7-E8	005Yr-001Hr	1.31	-2.58	-0.02	-0.82	-0.82	-0.82
P-E7-E8	005Yr-024Hr	4.55	-2.20	0.07	1.45	1.45	1.45
P-E7-E8	010Yr-024Hr	4.43	-1.13	-0.05	1.41	1.41	1.41
P-E7-E8	025Yr-072Hr	4.21	0.00	-0.10	1.34	1.34	1.34
P-E7-E8	100Yr-072Hr	3.47	0.00	-0.08	1.11	1.11	1.11

Pipe Link: P-F1-F2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.66 ft	Invert:	-1.36 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-F2	005Yr-001Hr	9.41	-0.83	0.07	3.00	3.00	3.00
P-F1-F2	005Yr-024Hr	9.17	-2.64	0.10	2.92	2.92	2.92
P-F1-F2	010Yr-024Hr	9.17	-2.78	0.11	2.92	2.92	2.92
P-F1-F2	025Yr-072Hr	8.85	-1.98	-0.20	2.82	2.82	2.82

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-F2	100Yr-072Hr	8.19	-1.40	-0.08	2.61	2.61	2.61

Pipe Link: P-F1-G1		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.71 ft	Invert:	-2.80 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	119.25 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	005Yr-001Hr	0.05	-2.63	-0.04	-1.49	-1.49	-1.49
P-F1-G1	005Yr-024Hr	0.25	-5.48	-0.07	-3.10	-3.10	-3.10
P-F1-G1	010Yr-024Hr	0.60	-5.56	-0.07	-3.15	-3.15	-3.15
P-F1-G1	025Yr-072Hr	0.24	-5.60	-0.17	-3.17	-3.17	-3.17
P-F1-G1	100Yr-072Hr	0.06	-5.50	-0.12	-3.11	-3.11	-3.11

Pipe Link: P-F2-F3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	0.36 ft	Invert:	-1.66 ft
From Node:	NZA-F3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-F3	005Yr-001Hr	7.17	-0.75	0.07	2.28	2.28	2.28
P-F2-F3	005Yr-024Hr	8.09	-1.41	-0.07	2.58	2.58	2.58
P-F2-F3	010Yr-024Hr	8.04	-1.55	0.10	2.56	2.56	2.56
P-F2-F3	025Yr-072Hr	7.66	-0.82	-0.10	2.44	2.44	2.44
P-F2-F3	100Yr-072Hr	7.00	-0.28	0.10	2.23	2.23	2.23

Pipe Link: P-F2-G2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.65 ft	Invert:	-1.65 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	495.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-G2	005Yr-001Hr	1.58	-0.01	0.02	2.01	2.01	2.01
P-F2-G2	005Yr-024Hr	2.29	-0.01	0.05	2.91	2.91	2.91
P-F2-G2	010Yr-024Hr	2.30	-0.01	0.05	2.92	2.92	2.92
P-F2-G2	025Yr-072Hr	2.31	-0.01	0.06	2.95	2.95	2.95

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-G2	100Yr-072Hr	2.31	-0.01	0.06	2.94	2.94	2.94

Pipe Link: P-F4-F3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.00 ft	Invert:	-1.00 ft
From Node:	NZA-F4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F3	005Yr-001Hr	4.71	-0.93	0.04	1.50	1.50	1.50
P-F4-F3	005Yr-024Hr	7.36	-1.96	-0.21	2.34	2.34	2.34
P-F4-F3	010Yr-024Hr	8.79	-2.09	-0.21	2.80	2.80	2.80
P-F4-F3	025Yr-072Hr	8.72	-1.50	-0.16	2.78	2.78	2.78
P-F4-F3	100Yr-072Hr	8.41	-1.04	0.09	2.68	2.68	2.68

Pipe Link: P-F4-F5		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.00 ft	Invert:	-1.00 ft
From Node:	NZA-F5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	005Yr-001Hr	4.50	-0.81	0.02	1.43	1.43	1.43
P-F4-F5	005Yr-024Hr	5.53	-2.35	0.61	1.76	1.76	1.76
P-F4-F5	010Yr-024Hr	6.86	-2.50	0.45	2.18	2.18	2.18
P-F4-F5	025Yr-072Hr	7.24	-1.90	0.49	2.31	2.31	2.31
P-F4-F5	100Yr-072Hr	7.04	-1.38	-0.08	2.24	2.24	2.24

Pipe Link: P-F4-G4		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	1.47 ft	Invert:	1.47 ft
From Node:	NZA-F4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	510.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-G4	005Yr-001Hr	0.73	-0.49	0.00	1.34	1.34	1.34
P-F4-G4	005Yr-024Hr	1.39	-0.53	0.00	2.56	2.56	2.56
P-F4-G4	010Yr-024Hr	1.40	-0.61	0.01	2.56	2.56	2.56
P-F4-G4	025Yr-072Hr	1.41	-0.62	0.01	2.58	2.58	2.58

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-G4	100Yr-072Hr	1.39	-0.48	0.01	2.54	2.54	2.54

Pipe Link: P-F5-F6		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-F6	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-F5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F5-F6	005Yr-001Hr	3.86	-1.02	0.02	1.23	1.23	1.23
P-F5-F6	005Yr-024Hr	4.50	-3.16	-0.09	1.43	1.43	1.43
P-F5-F6	010Yr-024Hr	5.85	-3.29	-0.10	1.86	1.86	1.86
P-F5-F6	025Yr-072Hr	5.96	-2.78	-0.11	1.90	1.90	1.90
P-F5-F6	100Yr-072Hr	5.41	-2.31	-0.11	1.72	1.72	1.72

Pipe Link: P-F6-F7		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	0.25 ft	Invert:	-2.00 ft
From Node:	NZA-F7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	271.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	005Yr-001Hr	6.49	-1.28	0.01	2.06	2.06	2.06
P-F6-F7	005Yr-024Hr	6.17	-6.95	-0.11	-2.21	-2.21	-2.21
P-F6-F7	010Yr-024Hr	6.12	-7.28	-0.10	-2.32	-2.32	-2.32
P-F6-F7	025Yr-072Hr	5.74	-7.03	-0.12	-2.24	-2.24	-2.24
P-F6-F7	100Yr-072Hr	4.80	-6.24	-0.11	-1.99	-1.99	-1.99

Pipe Link: P-F7-F8		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.17 ft	Invert:	0.25 ft
From Node:	NZA-F8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	303.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F7-F8	005Yr-001Hr	1.83	-3.52	0.01	-1.12	-1.12	-1.12
P-F7-F8	005Yr-024Hr	2.97	-7.67	-0.09	-2.44	-2.44	-2.44
P-F7-F8	010Yr-024Hr	3.73	-7.88	-0.11	-2.51	-2.51	-2.51
P-F7-F8	025Yr-072Hr	3.88	-7.96	-0.12	-2.53	-2.53	-2.53

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F7-F8	100Yr-072Hr	3.16	-7.66	0.10	-2.44	-2.44	-2.44

Pipe Link: P-F8-F9		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.83 ft	Invert:	-2.17 ft
From Node:	NZA-F9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	321.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-F9	005Yr-001Hr	3.54	0.00	0.00	1.13	1.13	1.13
P-F8-F9	005Yr-024Hr	3.23	0.00	-0.05	1.03	1.03	1.03
P-F8-F9	010Yr-024Hr	2.94	0.00	0.04	0.94	0.94	0.94
P-F8-F9	025Yr-072Hr	3.02	-0.05	-0.05	0.96	0.96	0.96
P-F8-F9	100Yr-072Hr	2.88	-0.19	0.06	0.92	0.92	0.92

Pipe Link: P-F8-G8		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	0.88 ft	Invert:	0.61 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	525.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	005Yr-001Hr	0.00	-2.82	0.00	-0.40	-0.40	-0.40
P-F8-G8	005Yr-024Hr	0.10	-4.00	0.02	-0.57	-0.57	-0.57
P-F8-G8	010Yr-024Hr	1.42	-5.04	-0.02	-0.71	-0.71	-0.71
P-F8-G8	025Yr-072Hr	1.81	-5.86	0.03	-0.83	-0.83	-0.83
P-F8-G8	100Yr-072Hr	1.34	-5.66	0.02	-0.80	-0.80	-0.80

Pipe Link: P-FDOT-1A-2A		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-4.86 ft	Invert:	-3.43 ft
From Node:	FDOT-1A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-2A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.42 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-1A-2A	005Yr-001Hr	3.37	-2.85	-0.76	1.07	1.07	1.07
P-FDOT-1A-2A	005Yr-024Hr	2.92	-3.18	-0.76	-1.01	-1.01	-1.01

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-1A-2A	010Yr-024Hr	2.98	-3.51	-0.76	-1.12	-1.12	-1.12
P-FDOT-1A-2A	025Yr-072Hr	3.68	-2.85	-0.76	1.17	1.17	1.17
P-FDOT-1A-2A	100Yr-072Hr	5.05	-2.85	-0.76	1.61	1.61	1.61

Pipe Link: P-FDOT-2A-3A		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-3.43 ft	Invert:	-2.16 ft
From Node:	FDOT-2A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	235.86 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2A-3A	005Yr-001Hr	3.51	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	005Yr-024Hr	8.14	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	010Yr-024Hr	9.65	-9.60	-4.15	1.37	1.37	1.37
P-FDOT-2A-3A	025Yr-072Hr	9.57	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	100Yr-072Hr	14.51	-9.60	-4.15	2.05	2.05	2.05

Pipe Link: P-FDOT-2B-B4		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.97 ft	Invert:	-3.77 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.04 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-B4	005Yr-001Hr	1.86	-17.84	-0.88	-5.68	-5.68	-5.68
P-FDOT-2B-B4	005Yr-024Hr	2.81	-23.03	1.19	-7.33	-7.33	-7.33
P-FDOT-2B-B4	010Yr-024Hr	2.76	-28.40	1.18	-9.04	-9.04	-9.04
P-FDOT-2B-B4	025Yr-072Hr	2.84	-30.55	1.22	-9.72	-9.72	-9.72
P-FDOT-2B-B4	100Yr-072Hr	2.81	-31.39	1.16	-9.99	-9.99	-9.99

Pipe Link: P-FDOT-3A-4A		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.16 ft	Invert:	-7.00 ft
From Node:	FDOT-3A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-4A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	264.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3A-4A	005Yr-001Hr	6.94	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	005Yr-024Hr	10.43	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	010Yr-024Hr	14.48	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	025Yr-072Hr	14.97	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	100Yr-072Hr	21.53	-28.26	4.31	-2.94	-2.94	-2.94

Pipe Link: P-FDOT-3B-4B		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-4.38 ft	Invert:	-5.00 ft
From Node:	FDOT-5B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.53 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3B-4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3B-4B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-FDOT-4B-5B		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-5.00 ft	Invert:	-4.16 ft
From Node:	FDOT-4B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.31 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-4B-5B	005Yr-001Hr	0.31	-3.31	-0.06	-0.67	-0.67	-0.67
P-FDOT-4B-5B	005Yr-024Hr	3.77	-2.97	0.06	0.77	0.77	0.77
P-FDOT-4B-5B	010Yr-024Hr	5.10	-1.17	0.06	1.04	1.04	1.04
P-FDOT-4B-5B	025Yr-072Hr	5.41	-0.14	-0.05	1.10	1.10	1.10
P-FDOT-4B-5B	100Yr-072Hr	5.94	-0.18	0.07	1.21	1.21	1.21

Pipe Link: P-FDOT-S106-S101		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-6.18 ft	Invert:	-9.20 ft
From Node:	NZA-S-106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-S106 -S101	005Yr-001Hr	2.19	-14.43	-5.12	-2.04	-2.04	-2.04
P-FDOT-S106 -S101	005Yr-024Hr	4.06	-14.74	-6.82	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	010Yr-024Hr	5.28	-14.73	-6.91	-2.08	-2.08	-2.08
P-FDOT-S106 -S101	025Yr-072Hr	6.83	-14.76	-6.87	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	100Yr-072Hr	9.90	-14.77	-6.83	-2.09	-2.09	-2.09

Pipe Link: P-FDOT2B - S-82		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-3.45 ft	Invert:	0.00 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	378.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT2B - S-82	005Yr-001Hr	31.74	-29.10	2.24	-6.21	6.35	4.43
P-FDOT2B - S-82	005Yr-024Hr	39.71	-29.10	2.24	-6.21	6.84	5.00
P-FDOT2B - S-82	010Yr-024Hr	48.01	-29.10	2.24	-6.21	7.20	5.45
P-FDOT2B - S-82	025Yr-072Hr	50.58	-29.10	2.24	-6.21	7.20	5.45
P-FDOT2B - S-82	100Yr-072Hr	53.76	-29.10	2.24	-6.21	7.27	5.53

Pipe Link: P-FDOT4A-S106		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	3.81 ft	Invert:	-6.18 ft
From Node:	FDOT-4A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	823.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT4A-S106	005Yr-001Hr	4.41	0.00	0.00	3.85	0.62	2.24

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT4A-S106	005Yr-024Hr	9.41	0.00	0.00	4.76	1.33	3.05
P-FDOT4A-S106	010Yr-024Hr	14.74	0.00	0.00	5.44	2.08	3.76
P-FDOT4A-S106	025Yr-072Hr	19.53	0.00	0.00	5.94	2.76	4.35
P-FDOT4A-S106	100Yr-072Hr	28.31	0.00	0.00	6.75	4.01	5.38

Pipe Link: P-G1-G2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.80 ft	Invert:	-3.19 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G1-G2	005Yr-001Hr	4.19	-0.02	0.07	2.37	2.37	2.37
P-G1-G2	005Yr-024Hr	6.59	-0.02	0.20	3.73	3.73	3.73
P-G1-G2	010Yr-024Hr	6.65	-0.02	0.19	3.76	3.76	3.76
P-G1-G2	025Yr-072Hr	6.82	-0.02	0.20	3.86	3.86	3.86
P-G1-G2	100Yr-072Hr	6.88	-0.02	0.20	3.89	3.89	3.89

Pipe Link: P-G2-CS-02		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.22 ft	Invert:	-2.30 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120

To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-CS-02	005Yr-001Hr	24.17	-0.01	1.34	7.69	7.69	7.69
P-G2-CS-02	005Yr-024Hr	26.01	-0.01	1.66	8.28	8.28	8.28
P-G2-CS-02	010Yr-024Hr	33.09	-0.01	1.73	10.53	10.53	10.53
P-G2-CS-02	025Yr-072Hr	35.53	-0.01	1.84	11.31	11.31	11.31
P-G2-CS-02	100Yr-072Hr	37.75	-0.01	1.84	12.01	12.01	12.01

Pipe Link: P-G2-G3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-3.38 ft	Invert:	-2.22 ft
From Node:	NZA-G3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-G3	005Yr-001Hr	14.36	-0.40	0.61	4.57	4.57	4.57
P-G2-G3	005Yr-024Hr	15.09	-0.11	0.94	4.80	4.80	4.80
P-G2-G3	010Yr-024Hr	14.92	-0.10	1.00	4.75	4.75	4.75
P-G2-G3	025Yr-072Hr	14.60	-0.12	1.00	4.65	4.65	4.65
P-G2-G3	100Yr-072Hr	14.20	-0.11	0.97	4.52	4.52	4.52

Pipe Link: P-G2-I1		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-3.19 ft	Invert:	-2.93 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	563.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-I1	005Yr-001Hr	2.95	-1.58	-0.24	1.67	1.67	1.67
P-G2-I1	005Yr-024Hr	3.36	-1.59	-0.37	1.90	1.90	1.90
P-G2-I1	010Yr-024Hr	5.82	-1.59	-0.36	3.29	3.29	3.29
P-G2-I1	025Yr-072Hr	6.24	-1.59	-0.38	3.53	3.53	3.53
P-G2-I1	100Yr-072Hr	6.27	-1.59	-0.34	3.55	3.55	3.55

Pipe Link: P-G3-G4		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	1.48 ft	Invert:	-3.38 ft
From Node:	NZA-G4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	270.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G3-G4	005Yr-001Hr	8.41	-0.58	0.13	3.07	2.68	2.68
P-G3-G4	005Yr-024Hr	9.57	-0.07	0.10	3.16	3.05	3.05
P-G3-G4	010Yr-024Hr	10.47	-0.07	0.10	3.33	3.33	3.33
P-G3-G4	025Yr-072Hr	10.15	-0.07	0.10	3.23	3.23	3.23
P-G3-G4	100Yr-072Hr	9.96	-0.07	0.10	3.17	3.17	3.17

Pipe Link: P-G4-G5		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	0.28 ft	Invert:	1.48 ft
From Node:	NZA-G5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G4-G5	005Yr-001Hr	4.49	0.00	0.02	2.54	2.54	2.54
P-G4-G5	005Yr-024Hr	7.27	-0.01	0.02	4.11	4.11	4.11
P-G4-G5	010Yr-024Hr	7.50	-0.01	0.01	4.24	4.24	4.24
P-G4-G5	025Yr-072Hr	7.42	-0.01	0.02	4.20	4.20	4.20
P-G4-G5	100Yr-072Hr	7.25	-0.01	0.02	4.10	4.10	4.10

Pipe Link: P-G5-G6		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	0.19 ft	Invert:	0.28 ft
From Node:	NZA-G6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G5-G6	005Yr-001Hr	1.17	-0.15	0.01	1.49	1.49	1.49
P-G5-G6	005Yr-024Hr	2.80	-0.02	0.01	3.56	3.56	3.56
P-G5-G6	010Yr-024Hr	2.81	-0.04	0.01	3.58	3.58	3.58
P-G5-G6	025Yr-072Hr	2.83	-0.05	0.01	3.61	3.61	3.61
P-G5-G6	100Yr-072Hr	2.78	-0.04	0.01	3.55	3.55	3.55

Pipe Link: P-G6-G8		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-0.37 ft	Invert:	0.19 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	550.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-G8	005Yr-001Hr	0.18	-2.45	0.00	-1.39	-1.39	-1.39
P-G6-G8	005Yr-024Hr	1.78	-2.22	0.03	-1.26	-1.26	-1.26
P-G6-G8	010Yr-024Hr	1.85	-1.95	0.04	-1.11	-1.11	-1.11
P-G6-G8	025Yr-072Hr	1.86	-1.80	0.03	1.05	1.05	1.05
P-G6-G8	100Yr-072Hr	1.70	-1.45	0.04	0.96	0.96	0.96

Pipe Link: P-G6-I7		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.97 ft	Invert:	-3.42 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-I7	005Yr-001Hr	19.93	-0.14	0.00	2.82	2.82	2.82
P-G6-I7	005Yr-024Hr	26.54	-0.21	-0.54	3.75	3.75	3.75
P-G6-I7	010Yr-024Hr	29.26	-0.22	0.42	4.14	4.14	4.14
P-G6-I7	025Yr-072Hr	30.53	-0.27	0.81	4.32	4.32	4.32
P-G6-I7	100Yr-072Hr	31.72	-0.23	0.74	4.49	4.49	4.49

Pipe Link: P-G8-G9		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	0.81 ft	Invert:	-0.37 ft
From Node:	NZA-G9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-G9	005Yr-001Hr	6.48	-0.01	0.00	2.70	2.70	2.70
P-G8-G9	005Yr-024Hr	6.71	0.00	0.06	2.79	2.79	2.79
P-G8-G9	010Yr-024Hr	6.69	0.00	0.04	2.78	2.78	2.78
P-G8-G9	025Yr-072Hr	6.83	0.00	-0.04	2.84	2.84	2.84
P-G8-G9	100Yr-072Hr	6.70	0.00	0.04	2.78	2.78	2.78

Pipe Link: P-G8-I7		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.30 ft	Invert:	-1.83 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	570.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-I7	005Yr-001Hr	0.77	-16.25	0.00	-2.30	-2.30	-2.30
P-G8-I7	005Yr-024Hr	0.42	-16.48	0.18	-2.33	-2.33	-2.33
P-G8-I7	010Yr-024Hr	0.44	-16.31	0.12	-2.31	-2.31	-2.31
P-G8-I7	025Yr-072Hr	0.73	-16.21	-0.24	-2.29	-2.29	-2.29
P-G8-I7	100Yr-072Hr	0.71	-16.31	0.21	-2.31	-2.31	-2.31

Pipe Link: P-I1-I2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.17 ft	Invert:	-2.32 ft
From Node:	NZA-I2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I1-I2	005Yr-001Hr	1.70	0.00	0.02	3.11	3.11	3.11
P-I1-I2	005Yr-024Hr	1.94	-0.20	0.04	3.56	3.56	3.56
P-I1-I2	010Yr-024Hr	1.93	-0.20	0.04	3.53	3.53	3.53
P-I1-I2	025Yr-072Hr	1.91	-0.21	0.04	3.50	3.50	3.50
P-I1-I2	100Yr-072Hr	1.89	-0.21	0.04	3.47	3.47	3.47

Pipe Link: P-I3-I4		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-1.54 ft	Invert:	1.02 ft
From Node:	NZA-I4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I3-I4	005Yr-001Hr	0.00	-1.14	-0.01	-0.64	-0.64	-0.64
P-I3-I4	005Yr-024Hr	0.36	-1.06	-0.03	-0.60	-0.60	-0.60
P-I3-I4	010Yr-024Hr	0.41	-1.05	-0.02	-0.59	-0.59	-0.59
P-I3-I4	025Yr-072Hr	0.57	-0.99	-0.04	-0.56	-0.56	-0.56
P-I3-I4	100Yr-072Hr	1.36	-1.00	-0.04	0.77	0.77	0.77

Pipe Link: P-I4-I5		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-0.68 ft	Invert:	-1.54 ft
From Node:	NZA-I5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I4-I5	005Yr-001Hr	0.00	-1.23	0.00	-1.57	-1.57	-1.57
P-I4-I5	005Yr-024Hr	0.25	-2.12	0.01	-2.70	-2.70	-2.70
P-I4-I5	010Yr-024Hr	0.62	-2.10	-0.01	-2.67	-2.67	-2.67
P-I4-I5	025Yr-072Hr	0.86	-1.98	-0.01	-2.53	-2.53	-2.53
P-I4-I5	100Yr-072Hr	0.75	-1.99	-0.01	-2.54	-2.54	-2.54

Pipe Link: P-I5-I6		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.97 ft	Invert:	-0.74 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I5-I6	005Yr-001Hr	0.00	-2.35	0.00	-2.99	-2.99	-2.99
P-I5-I6	005Yr-024Hr	0.00	-2.66	-0.01	-3.39	-3.39	-3.39
P-I5-I6	010Yr-024Hr	0.00	-2.60	0.01	-3.30	-3.30	-3.30
P-I5-I6	025Yr-072Hr	0.00	-2.55	0.01	-3.25	-3.25	-3.25
P-I5-I6	100Yr-072Hr	0.09	-2.62	-0.01	-3.33	-3.33	-3.33

Pipe Link: P-I6-CS-03		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-3.46 ft	Invert:	-4.50 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I6-CS-03	005Yr-001Hr	25.64	0.00	0.00	3.63	3.63	3.63
P-I6-CS-03	005Yr-024Hr	30.66	-0.02	-0.72	4.34	4.34	4.34
P-I6-CS-03	010Yr-024Hr	35.62	-0.02	-0.53	5.04	5.04	5.04
P-I6-CS-03	025Yr-072Hr	36.77	-0.03	1.12	5.20	5.20	5.20
P-I6-CS-03	100Yr-072Hr	39.24	-0.03	1.11	5.55	5.55	5.55

Pipe Link: P-I7-I8		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.67 ft	Invert:	-2.97 ft
From Node:	NZA-I8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I7-I8	005Yr-001Hr	5.50	0.00	0.00	3.11	3.11	3.11
P-I7-I8	005Yr-024Hr	6.50	0.00	0.03	3.68	3.68	3.68
P-I7-I8	010Yr-024Hr	6.54	0.00	-0.03	3.70	3.70	3.70
P-I7-I8	025Yr-072Hr	6.45	0.00	-0.05	3.65	3.65	3.65
P-I7-I8	100Yr-072Hr	6.45	0.00	-0.03	3.65	3.65	3.65

Pipe Link: P-OUTFALL(96th)-CS-TOWN		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-CS-TOWN	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (96th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-OUTFALL(96th)-CS-TOWN	005Yr-001Hr	11.20	0.00	0.00	3.67	5.01	4.34
P-OUTFALL(96th)-CS-TOWN	005Yr-024Hr	13.26	0.00	0.00	3.91	5.27	4.59
P-OUTFALL(96th)-CS-TOWN	010Yr-024Hr	17.53	0.00	0.00	4.34	5.74	5.04
P-OUTFALL(96th)-CS-TOWN	025Yr-072Hr	20.03	0.00	0.00	4.57	5.99	5.28
P-OUTFALL(96th)-CS-TOWN	100Yr-072Hr	24.36	0.00	-0.01	4.95	6.40	5.67

Pipe Link: P-PS1-CS1		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.78 ft	Invert:	-2.75 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-CS1	005Yr-001Hr	0.30	-36.20	-21.61	-5.12	-5.12	-5.12
P-PS1-CS1	005Yr-024Hr	0.30	-38.57	-25.69	-5.46	-5.46	-5.46
P-PS1-CS1	010Yr-024Hr	0.30	-39.68	-27.74	-5.61	-5.61	-5.61
P-PS1-CS1	025Yr-072Hr	0.30	-39.70	-28.64	-5.62	-5.62	-5.62
P-PS1-CS1	100Yr-072Hr	0.30	-39.72	-28.05	-5.62	-5.62	-5.62

Pipe Link: P-PS1-DS1		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-DS1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS2-CS-02		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	-2.50 ft	Invert:	-2.30 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-CS-02	005Yr-001Hr	0.01	-28.55	22.08	-4.04	-4.04	-4.04
P-PS2-CS-02	005Yr-024Hr	0.05	-29.48	23.66	-4.17	-4.17	-4.17
P-PS2-CS-02	010Yr-024Hr	0.01	-33.09	-25.33	-4.68	-4.68	-4.68
P-PS2-CS-02	025Yr-072Hr	0.51	-33.09	-24.64	-4.68	-4.68	-4.68
P-PS2-CS-02	100Yr-072Hr	0.06	-33.10	-25.61	-4.68	-4.68	-4.68

Pipe Link: P-PS2-DS2		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-DS2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS3-DS3		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS3-DS3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-S-82 - S-77		Upstream		Downstream	
Scenario:	OPTION 5	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-S-82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	888.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-S-82 - S-77	005Yr-001Hr	0.28	-0.06	0.01	0.51	1.89	1.20
P-S-82 - S-77	005Yr-024Hr	0.26	-0.27	-0.03	-0.50	-1.87	-1.19
P-S-82 - S-77	010Yr-024Hr	3.22	-1.01	-0.03	1.27	2.78	1.93
P-S-82 - S-77	025Yr-072Hr	4.64	-1.71	-0.04	1.45	2.97	2.10
P-S-82 - S-77	100Yr-072Hr	6.60	-3.19	-0.03	1.69	3.62	2.51

Drop Structure Link: S-101		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 5	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	Discharge Coefficients	
Max Depth:	1.50 ft	Weir Default:	3.200
Max Width:	6.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-101 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Drop Structure Link: S-77		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 5	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S-77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular		

Invert:	8.00 ft		
Control Elevation:	8.00 ft	Op Table:	
Max Depth:	1.50 ft	Ref Node:	
Max Width:	6.00 ft	Discharge Coefficients	
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-77 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-A1-A2

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	NZA-A2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.61 ft	Discharge Coefficients	
Control Elevation:	4.61 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-A2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-A2	005Yr-024Hr	0.00	-8.12	0.00	0.00	0.00	0.00
W-A1-A2	010Yr-024Hr	0.00	-17.41	0.00	0.00	0.00	0.00
W-A1-A2	025Yr-072Hr	0.00	-25.22	0.00	0.00	0.00	0.00
W-A1-A2	100Yr-072Hr	0.00	-39.90	-0.01	-3.63	-3.63	-3.63

Weir Link: W-A1-B1

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	NZA-B1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.38 ft	Discharge Coefficients	
Control Elevation:	4.38 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	100Yr-072Hr	3.75	-0.30	0.00	1.09	1.09	1.09

Weir Link: W-A1-OUTFALL

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	OUTFALL (95th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	3.81 ft	Ref Node:	
Control Elevation:	3.81 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	010Yr-024Hr	14.65	0.00	0.00	1.73	1.73	1.73
W-A1-OUTFALL	025Yr-072Hr	25.88	0.00	0.00	2.35	2.35	2.35
W-A1-OUTFALL	100Yr-072Hr	42.70	0.00	0.01	3.88	3.88	3.88

Weir Link: W-A2-A3

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-A2	Default:	0.00 ft
To Node:	NZA-A3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.72 ft	Discharge Coefficients	
Control Elevation:	4.72 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A2-A3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A2-A3	005Yr-024Hr	0.00	-6.80	0.00	-1.34	-1.34	-1.34
W-A2-A3	010Yr-024Hr	0.00	-12.10	0.00	-1.60	-1.60	-1.60
W-A2-A3	025Yr-072Hr	0.00	-16.70	0.00	-1.72	-1.72	-1.72
W-A2-A3	100Yr-072Hr	0.00	-29.72	-0.21	-2.70	-2.70	-2.70

Weir Link: W-A3-A4

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-A4	Default:	0.00 ft
To Node:	NZA-A3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.41 ft	Discharge Coefficients	
Control Elevation:	5.41 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A3-A4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	025Yr-072Hr	1.07	0.00	0.00	0.72	0.72	0.72
W-A3-A4	100Yr-072Hr	16.78	0.00	0.00	1.82	1.82	1.82

Weir Link: W-A4-B4

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-A4	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	5.02 ft	Ref Node:	
Control Elevation:	5.02 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	005Yr-024Hr	1.07	0.00	0.00	0.73	0.73	0.73
W-A4-B4	010Yr-024Hr	5.48	0.00	0.00	1.25	1.25	1.25
W-A4-B4	025Yr-072Hr	13.63	0.00	0.00	1.63	1.63	1.63
W-A4-B4	100Yr-072Hr	15.47	-1.87	-1.99	1.68	1.68	1.68

Weir Link: W-A4-FDOT1B

Scenario:	OPTION 5	Bottom Clip	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.22 ft	Discharge Coefficients	
Control Elevation:	4.22 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-FDOT1	005Yr-001Hr	4.37	0.00	0.01	1.16	1.16	1.16

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B							
W-A4-FDOT1 B	005Yr-024Hr	3.63	0.00	0.01	1.08	1.08	1.08
W-A4-FDOT1 B	010Yr-024Hr	1.54	0.00	0.00	0.80	0.80	0.80
W-A4-FDOT1 B	025Yr-072Hr	5.62	0.00	0.01	0.51	0.51	0.51
W-A4-FDOT1 B	100Yr-072Hr	9.00	0.00	0.04	0.82	0.82	0.82

Weir Link: W-AA1-AA2

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-AA1	Default:	0.00 ft
To Node:	NZA-AA2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-AA2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA1-OUTFALL(96th)

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-AA1	Default:	0.00 ft

To Node:	OUTFALL (96th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-OUTFALL(96th)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA2-AA3

Scenario:	OPTION 5
From Node:	NZA-AA3
To Node:	NZA-AA2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA2-AA3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA3-AA4

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-AA4	Default:	0.00 ft
To Node:	NZA-AA3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA3-AA4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	100Yr-072Hr	0.02	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA4-AA5

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-AA5	Default:	0.00 ft
To Node:	NZA-AA4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA4-AA5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	100Yr-072Hr	0.10	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA7-A4

Scenario:	OPTION 5
From Node:	NZA-AA7
To Node:	NZA-A4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-001Hr	0.00	-12.81	0.01	-1.65	-1.65	-1.65

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-024Hr	2.66	-9.55	-2.08	-1.45	-1.45	-1.45
W-AA7-A4	010Yr-024Hr	2.43	-8.03	-3.64	-0.95	-0.95	-0.95
W-AA7-A4	025Yr-072Hr	2.71	-8.72	-2.59	0.83	0.83	0.83
W-AA7-A4	100Yr-072Hr	3.74	-12.02	-1.95	-1.09	-1.09	-1.09

Weir Link: W-B1-B2

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	NZA-B2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.50 ft	**Discharge Coefficients**	
Control Elevation:	4.50 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	010Yr-024Hr	0.00	-0.65	0.00	0.00	0.00	0.00
W-B1-B2	025Yr-072Hr	0.00	-8.66	0.00	0.00	0.00	0.00
W-B1-B2	100Yr-072Hr	0.00	-26.23	0.00	-2.62	-2.62	-2.62

Weir Link: W-B1-OUTFALL

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	OUTFALL (94th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	3.90 ft
Control Elevation:	3.90 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	025Yr-072Hr	9.40	0.00	0.00	1.54	1.54	1.54
W-B1-OUTFALL	100Yr-072Hr	36.06	0.00	0.01	3.61	3.61	3.61

Weir Link: W-B2-B3

Scenario:	OPTION 5
From Node:	NZA-B2
To Node:	NZA-B3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.54 ft
Control Elevation:	4.54 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B2-B3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	010Yr-024Hr	0.00	-6.11	0.00	0.00	0.00	0.00
W-B2-B3	025Yr-072Hr	0.00	-12.26	0.00	-1.69	-1.69	-1.69
W-B2-B3	100Yr-072Hr	0.00	-21.23	0.00	-2.12	-2.12	-2.12

Weir Link: W-B3-B4

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-B3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.52 ft	Discharge Coefficients	
Control Elevation:	5.52 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B3-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	100Yr-072Hr	9.15	0.00	0.00	1.53	1.53	1.53

Weir Link: W-B4-C2

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.69 ft
Control Elevation:	5.69 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-C2	005Yr-001Hr	0.00	-4.35	0.00	0.00	0.00	0.00
W-B4-C2	005Yr-024Hr	0.00	-8.67	0.00	0.00	0.00	0.00
W-B4-C2	010Yr-024Hr	0.00	-13.39	0.00	0.00	0.00	0.00
W-B4-C2	025Yr-072Hr	0.00	-16.86	0.00	0.00	0.00	0.00
W-B4-C2	100Yr-072Hr	0.00	-24.00	0.00	-2.00	-2.00	-2.00

Weir Link: W-B4-FDOT2B

Scenario:	OPTION 5
From Node:	FDOT-1B
To Node:	NZA-B4
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.21 ft
Control Elevation:	4.21 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2B	005Yr-001Hr	8.89	0.00	0.01	1.52	1.52	1.52

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2 B	005Yr-024Hr	11.72	0.00	0.00	1.66	1.66	1.66
W-B4-FDOT2 B	010Yr-024Hr	16.34	0.00	-1.81	1.83	1.83	1.83
W-B4-FDOT2 B	025Yr-072Hr	17.72	0.00	-1.79	1.87	1.87	1.87
W-B4-FDOT2 B	100Yr-072Hr	18.86	0.00	-1.72	1.91	1.91	1.91

Weir Link: W-C1-B1

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	NZA-C1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.86 ft	**Discharge Coefficients**	
Control Elevation:	4.86 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	010Yr-024Hr	0.00	-1.36	0.00	0.00	0.00	0.00
W-C1-B1	025Yr-072Hr	0.00	-12.36	0.00	0.00	0.00	0.00
W-C1-B1	100Yr-072Hr	0.00	-27.21	0.00	0.00	0.00	0.00

Weir Link: W-C1-D2

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-C1	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.80 ft
Control Elevation:	4.80 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	010Yr-024Hr	3.57	0.00	0.00	1.07	1.07	1.07
W-C1-D2	025Yr-072Hr	11.66	0.00	0.00	1.39	1.39	1.39
W-C1-D2	100Yr-072Hr	21.25	0.00	1.95	1.93	1.93	1.93

Weir Link: W-C2-FDOT3B

Scenario:	OPTION 5
From Node:	FDOT-3B
To Node:	NZA-C2
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	3.95 ft
Control Elevation:	3.95 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C2-FDOT3B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-D1-D2

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-D1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.10 ft	**Discharge Coefficients**	
Control Elevation:	4.10 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-D2	005Yr-024Hr	23.01	0.00	0.00	2.09	2.09	2.09
W-D1-D2	010Yr-024Hr	32.21	0.00	0.01	2.93	2.93	2.93
W-D1-D2	025Yr-072Hr	34.49	0.00	0.01	3.14	3.14	3.14
W-D1-D2	100Yr-072Hr	32.23	0.00	0.00	2.93	2.93	2.93

Weir Link: W-D1-E1

Scenario:	OPTION 5	**Bottom Clip**	

From Node:	NZA-D1
To Node:	NZA-E1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.24 ft
Control Elevation:	4.24 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-E1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	005Yr-024Hr	9.40	0.00	0.00	1.50	1.50	1.50
W-D1-E1	010Yr-024Hr	18.91	0.00	0.00	1.89	1.89	1.89
W-D1-E1	025Yr-072Hr	24.19	0.00	0.01	2.20	2.20	2.20
W-D1-E1	100Yr-072Hr	26.42	0.00	0.01	2.40	2.40	2.40

Weir Link: W-D1-OUTFALL

Scenario:	OPTION 5
From Node:	NZA-D1
To Node:	OUTFALL (92nd)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	5.00 ft
Control Elevation:	5.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	100Yr-072Hr	5.76	0.00	0.00	1.27	1.27	1.27

Weir Link: W-D2-D3

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.18 ft	**Discharge Coefficients**	
Control Elevation:	4.18 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-D3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-D3	005Yr-024Hr	0.00	-24.38	0.00	-2.22	-2.22	-2.22
W-D2-D3	010Yr-024Hr	0.00	-28.94	0.00	-2.63	-2.63	-2.63
W-D2-D3	025Yr-072Hr	0.00	-33.69	-0.01	-3.06	-3.06	-3.06
W-D2-D3	100Yr-072Hr	0.00	-39.62	0.00	-3.60	-3.60	-3.60

Weir Link: W-D2-E3

Scenario:	OPTION 5	**Bottom Clip**	

From Node:	NZA-D2		
To Node:	NZA-E3	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.17 ft	Ref Node:	
Control Elevation:	4.17 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-E3	005Yr-024Hr	1.55	-6.82	0.00	-1.33	-1.33	-1.33
W-D2-E3	010Yr-024Hr	4.65	-10.21	-1.74	-1.52	-1.52	-1.52
W-D2-E3	025Yr-072Hr	5.82	-6.71	-2.74	-1.24	-1.24	-1.24
W-D2-E3	100Yr-072Hr	5.97	-9.31	-2.42	-0.85	-0.85	-0.85

Weir Link: W-D3-D4

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-D4	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.54 ft	Discharge Coefficients	
Control Elevation:	4.54 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D3-D4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D3-D4	005Yr-024Hr	24.16	0.00	0.00	2.20	2.20	2.20
W-D3-D4	010Yr-024Hr	28.58	0.00	0.00	2.60	2.60	2.60
W-D3-D4	025Yr-072Hr	32.19	0.00	0.00	2.93	2.93	2.93
W-D3-D4	100Yr-072Hr	37.62	0.00	0.00	3.42	3.42	3.42

Weir Link: W-D4-D5

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-D5	Default:	0.00 ft
To Node:	NZA-D4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.56 ft	Discharge Coefficients	
Control Elevation:	4.56 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	005Yr-001Hr	0.69	0.00	0.00	0.00	0.00	0.00
W-D4-D5	005Yr-024Hr	19.21	0.00	0.00	1.75	1.75	1.75
W-D4-D5	010Yr-024Hr	24.21	0.00	0.00	2.20	2.20	2.20
W-D4-D5	025Yr-072Hr	25.45	0.00	0.38	2.31	2.31	2.31
W-D4-D5	100Yr-072Hr	28.04	0.00	0.52	2.55	2.55	2.55

Weir Link: W-D5-D6

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-D6	Default:	0.00 ft
To Node:	NZA-D5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.94 ft
Control Elevation:	4.94 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D5-D6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D5-D6	005Yr-024Hr	12.64	0.00	0.00	1.65	1.65	1.65
W-D5-D6	010Yr-024Hr	17.76	0.00	2.00	1.82	1.82	1.82
W-D5-D6	025Yr-072Hr	20.62	0.00	1.88	1.91	1.91	1.91
W-D5-D6	100Yr-072Hr	18.66	0.00	2.07	1.84	1.84	1.84

Weir Link: W-D6-D7

Scenario:	OPTION 5
From Node:	NZA-D7
To Node:	NZA-D6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.40 ft
Control Elevation:	4.40 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	005Yr-001Hr	0.00	-4.54	0.00	0.00	0.00	0.00
W-D6-D7	005Yr-024Hr	4.85	-4.27	-0.60	-1.12	-1.12	-1.12

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	010Yr-024Hr	6.96	-1.95	-0.36	-0.73	-0.73	-0.73
W-D6-D7	025Yr-072Hr	7.49	0.00	0.04	0.68	0.68	0.68
W-D6-D7	100Yr-072Hr	8.22	-1.01	0.17	0.75	0.75	0.75

Weir Link: W-D7-FDOT4B

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	FDOT-4B	Default:	0.00 ft
To Node:	NZA-D7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	**Discharge Coefficients**	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	025Yr-072Hr	0.46	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	100Yr-072Hr	0.18	0.00	0.00	0.00	0.00	0.00

Weir Link: W-E1-E2

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-E2	Default:	0.00 ft
To Node:	NZA-E1	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.22 ft
Control Elevation:	4.22 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-E2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	005Yr-024Hr	12.19	0.00	0.00	1.63	1.63	1.63
W-E1-E2	010Yr-024Hr	25.28	0.00	0.00	2.30	2.30	2.30
W-E1-E2	025Yr-072Hr	31.57	0.00	0.00	2.87	2.87	2.87
W-E1-E2	100Yr-072Hr	34.09	0.00	0.00	3.10	3.10	3.10

Weir Link: W-E1-F1

Scenario:	OPTION 5
From Node:	NZA-E1
To Node:	NZA-F1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.26 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-F1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	010Yr-024Hr	0.00	-3.31	0.00	-1.06	-1.06	-1.06
W-E1-F1	025Yr-072Hr	5.42	-6.66	0.06	1.07	1.07	1.07
W-E1-F1	100Yr-072Hr	10.64	-22.06	1.07	-2.01	-2.01	-2.01

Weir Link: W-E1-OUTFALL A

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	OUTFALL (91st) - A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.68 ft	**Discharge Coefficients**	
Control Elevation:	4.68 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	025Yr-072Hr	1.38	0.00	0.00	0.79	0.79	0.79
W-E1-OUTFALL A	100Yr-072Hr	13.06	0.00	0.00	1.67	1.67	1.67

Weir Link: W-E1-OUTFALL B

Scenario:	OPTION 5	**Bottom Clip**	

From Node:	NZA-E1		
To Node:	OUTFALL (91st) - B	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.68 ft	Ref Node:	
Control Elevation:	4.68 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	025Yr-072Hr	1.38	0.00	0.00	0.79	0.79	0.79
W-E1-OUTFALL B	100Yr-072Hr	13.06	0.00	0.00	1.67	1.67	1.67

Weir Link: W-E2-E3

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-E3	Default:	0.00 ft
To Node:	NZA-E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	Discharge Coefficients	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E2-E3	005Yr-024Hr	20.95	0.00	0.00	1.91	1.91	1.91
W-E2-E3	010Yr-024Hr	23.65	0.00	0.00	2.15	2.15	2.15
W-E2-E3	025Yr-072Hr	25.97	0.00	0.00	2.36	2.36	2.36
W-E2-E3	100Yr-072Hr	26.79	0.00	0.00	2.44	2.44	2.44

Weir Link: W-E3-E4

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-E4	Default:	0.00 ft
To Node:	NZA-E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.38 ft	Discharge Coefficients	
Control Elevation:	4.38 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E3-E4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E3-E4	005Yr-024Hr	18.59	0.00	0.00	1.88	1.88	1.88
W-E3-E4	010Yr-024Hr	25.07	0.00	0.00	2.28	2.28	2.28
W-E3-E4	025Yr-072Hr	24.72	0.00	0.00	2.25	2.25	2.25
W-E3-E4	100Yr-072Hr	31.04	0.00	0.00	2.82	2.82	2.82

Weir Link: W-E4-E5

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-E5	Default:	0.00 ft
To Node:	NZA-E4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.81 ft	Ref Node:	
Control Elevation:	4.81 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E4-E5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	005Yr-024Hr	0.42	0.00	0.00	0.00	0.00	0.00
W-E4-E5	010Yr-024Hr	7.90	0.00	0.00	1.10	1.10	1.10
W-E4-E5	025Yr-072Hr	12.18	0.00	-2.97	1.16	1.16	1.16
W-E4-E5	100Yr-072Hr	13.21	0.00	-3.58	1.20	1.20	1.20

Weir Link: W-E5-E6

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-E6	Default:	0.00 ft
To Node:	NZA-E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.50 ft	Discharge Coefficients	
Control Elevation:	4.50 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-024Hr	12.14	0.00	0.00	1.48	1.48	1.48
W-E5-E6	010Yr-024Hr	16.68	0.00	-2.71	1.56	1.56	1.56
W-E5-E6	025Yr-072Hr	17.13	0.00	2.08	1.57	1.57	1.57
W-E5-E6	100Yr-072Hr	18.24	0.00	-2.32	1.66	1.66	1.66

Weir Link: W-E6-E7

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-E7	Default:	0.00 ft
To Node:	NZA-E6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.03 ft	Discharge Coefficients	
Control Elevation:	4.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-001Hr	0.00	-4.89	0.01	-1.18	-1.18	-1.18
W-E6-E7	005Yr-024Hr	10.62	-4.18	-2.50	1.15	1.15	1.15
W-E6-E7	010Yr-024Hr	13.56	-3.08	-2.46	1.23	1.23	1.23
W-E6-E7	025Yr-072Hr	14.84	0.00	-1.63	1.35	1.35	1.35
W-E6-E7	100Yr-072Hr	17.96	0.00	1.88	1.63	1.63	1.63

Weir Link: W-E7-E8

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-E8	Default:	0.00 ft
To Node:	NZA-E7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	4.36 ft
Control Elevation:	4.36 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E7-E8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E7-E8	005Yr-024Hr	8.71	0.00	-1.99	1.17	1.17	1.17
W-E7-E8	010Yr-024Hr	9.55	0.00	-3.07	1.35	1.35	1.35
W-E7-E8	025Yr-072Hr	10.04	0.00	-3.59	1.17	1.17	1.17
W-E7-E8	100Yr-072Hr	12.20	0.00	-3.09	1.11	1.11	1.11

Weir Link: W-E8-FDOT1A

Scenario:	OPTION 5
From Node:	FDOT-1A
To Node:	NZA-E8
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.46 ft
Control Elevation:	4.46 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT1A	005Yr-001Hr	0.35	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT1	005Yr-024Hr	5.52	0.00	0.00	1.25	1.25	1.25

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
W-E8-FDOT1A	010Yr-024Hr	5.86	0.00	-0.01	1.27	1.27	1.27
W-E8-FDOT1A	025Yr-072Hr	0.07	0.00	0.00	0.06	0.06	0.06
W-E8-FDOT1A	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-E8-FDOT5B

Scenario:	OPTION 5	Bottom Clip	
From Node:	FDOT-5B	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.46 ft	Discharge Coefficients	
Control Elevation:	4.46 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT5B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT5B	005Yr-024Hr	6.27	0.00	-0.04	1.18	1.18	1.18
W-E8-FDOT5B	010Yr-024Hr	9.61	0.00	-3.59	1.38	1.38	1.38
W-E8-FDOT5B	025Yr-072Hr	10.10	0.00	-2.07	1.41	1.41	1.41
W-E8-FDOT5B	100Yr-072Hr	10.83	0.00	-3.62	1.11	1.11	1.11

Weir Link: W-F1-F2			
Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.23 ft	Discharge Coefficients	
Control Elevation:	4.23 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-F2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	010Yr-024Hr	0.00	-3.01	0.00	-0.99	-0.99	-0.99
W-F1-F2	025Yr-072Hr	3.90	-11.33	2.08	-1.12	-1.12	-1.12
W-F1-F2	100Yr-072Hr	5.66	-14.51	2.72	-1.32	-1.32	-1.32

Weir Link: W-F1-G1			
Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.28 ft	Discharge Coefficients	
Control Elevation:	4.28 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-G1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	010Yr-024Hr	1.66	0.00	0.00	0.83	0.83	0.83
W-F1-G1	025Yr-072Hr	10.55	0.00	-0.01	1.08	1.08	1.08
W-F1-G1	100Yr-072Hr	12.25	-0.30	2.09	1.36	1.36	1.36

Weir Link: W-F2-F3

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.24 ft	Discharge Coefficients	
Control Elevation:	4.24 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-F3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-F3	005Yr-024Hr	3.43	0.00	0.00	1.07	1.07	1.07
W-F2-F3	010Yr-024Hr	11.37	0.00	0.00	1.59	1.59	1.59
W-F2-F3	025Yr-072Hr	20.49	0.00	-0.48	1.87	1.87	1.87
W-F2-F3	100Yr-072Hr	23.40	0.00	-1.55	2.13	2.13	2.13

Weir Link: W-F2-G2

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F2	Default:	0.00 ft
To Node:	NZA-G2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.01 ft	Ref Node:	
Control Elevation:	4.01 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-G2	005Yr-024Hr	4.21	0.00	0.00	1.14	1.14	1.14
W-F2-G2	010Yr-024Hr	16.74	0.00	0.00	1.81	1.81	1.81
W-F2-G2	025Yr-072Hr	22.21	0.00	-1.23	2.02	2.02	2.02
W-F2-G2	100Yr-072Hr	23.55	0.00	-0.71	2.14	2.14	2.14

Weir Link: W-F3-F4

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Gravel Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F3-F4	010Yr-024Hr	0.00	-3.92	0.00	0.00	0.00	0.00
W-F3-F4	025Yr-072Hr	0.00	-12.88	0.00	-1.66	-1.66	-1.66
W-F3-F4	100Yr-072Hr	0.00	-22.84	0.19	-2.08	-2.08	-2.08

Weir Link: W-F4-F5

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F5	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.03 ft	Discharge Coefficients	
Control Elevation:	5.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	010Yr-024Hr	1.66	0.00	0.00	0.84	0.84	0.84
W-F4-F5	025Yr-072Hr	8.72	0.00	0.00	1.46	1.46	1.46
W-F4-F5	100Yr-072Hr	21.35	0.00	0.70	1.94	1.94	1.94

Weir Link: W-F4-G4

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F4	Default:	0.00 ft
To Node:	NZA-G4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	5.05 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	025Yr-072Hr	1.12	0.00	0.00	0.71	0.71	0.71
W-F4-G4	100Yr-072Hr	6.53	-2.58	1.87	-0.96	-0.96	-0.96

Weir Link: W-F5-F6

Scenario:	OPTION 5
From Node:	NZA-F6
To Node:	NZA-F5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.81 ft
Control Elevation:	4.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F5-F6	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F5-F6	010Yr-024Hr	5.72	0.00	0.00	1.26	1.26	1.26

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	025Yr-072Hr	9.48	0.00	-0.01	1.49	1.49	1.49
W-F5-F6	100Yr-072Hr	13.43	0.00	-2.02	1.59	1.59	1.59

Weir Link: W-F6-F7

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F7	Default:	0.00 ft
To Node:	NZA-F6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.63 ft	Discharge Coefficients	
Control Elevation:	4.63 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F6-F7	005Yr-024Hr	2.31	-0.73	0.00	0.92	0.92	0.92
W-F6-F7	010Yr-024Hr	8.96	-1.59	0.02	1.45	1.45	1.45
W-F6-F7	025Yr-072Hr	12.58	-2.68	1.33	1.61	1.61	1.61
W-F6-F7	100Yr-072Hr	14.47	-3.51	1.87	1.63	1.63	1.63

Weir Link: W-F7-F8

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-F7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.60 ft	Discharge Coefficients	

Control Elevation:	4.60 ft		
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F7-F8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F7-F8	005Yr-024Hr	1.65	-3.05	0.00	-0.92	-0.92	-0.92
W-F7-F8	010Yr-024Hr	7.75	-5.54	-1.82	1.29	1.29	1.29
W-F7-F8	025Yr-072Hr	11.16	-7.05	1.55	1.43	1.43	1.43
W-F7-F8	100Yr-072Hr	13.00	-8.01	2.43	1.40	1.40	1.40

Weir Link: W-F8-F9

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F9	Default:	0.00 ft
To Node:	NZA-F8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.75 ft	Discharge Coefficients	
Control Elevation:	4.75 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-F9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F8-F9	005Yr-024Hr	0.96	0.00	0.00	0.70	0.70	0.70
W-F8-F9	010Yr-024Hr	6.06	0.00	-0.03	1.25	1.25	1.25
W-F8-F9	025Yr-072Hr	9.11	0.00	-1.70	1.41	1.41	1.41
W-F8-F9	100Yr-072Hr	12.01	0.00	-2.14	1.49	1.49	1.49

Weir Link: W-F8-G8			
Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	0.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-G8	005Yr-001Hr	4.60	0.00	0.00	0.42	0.42	0.42
W-F8-G8	005Yr-024Hr	6.72	-0.35	0.01	0.61	0.61	0.61
W-F8-G8	010Yr-024Hr	8.47	-2.39	0.01	0.77	0.77	0.77
W-F8-G8	025Yr-072Hr	9.84	-3.04	-0.02	0.89	0.89	0.89
W-F8-G8	100Yr-072Hr	9.49	-2.25	0.01	0.86	0.86	0.86

Weir Link: W-F9-FDOT2A			
Scenario:	OPTION 5	Bottom Clip	
From Node:	FDOT-2A	Default:	0.00 ft
To Node:	NZA-F9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F9-FDOT2 A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2 A	005Yr-024Hr	0.89	0.00	0.00	0.68	0.68	0.68
W-F9-FDOT2 A	010Yr-024Hr	4.98	0.00	0.00	1.20	1.20	1.20
W-F9-FDOT2 A	025Yr-072Hr	7.72	0.00	-1.36	1.39	1.39	1.39
W-F9-FDOT2 A	100Yr-072Hr	10.23	0.00	0.54	1.51	1.51	1.51

Weir Link: W-G1-G2

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.36 ft	**Discharge Coefficients**	
Control Elevation:	4.36 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G1-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	010Yr-024Hr	0.00	-1.01	0.00	0.00	0.00	0.00
W-G1-G2	025Yr-072Hr	0.00	-12.91	0.00	-1.60	-1.60	-1.60
W-G1-G2	100Yr-072Hr	0.00	-14.47	2.03	-1.67	-1.67	-1.67

Weir Link: W-G2-G3

Scenario:	OPTION 5
From Node:	NZA-G2
To Node:	NZA-G3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.13 ft
Control Elevation:	4.13 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-G3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	010Yr-024Hr	0.00	-9.37	0.00	-1.49	-1.49	-1.49
W-G2-G3	025Yr-072Hr	0.00	-21.24	1.21	-1.94	-1.94	-1.94
W-G2-G3	100Yr-072Hr	0.00	-25.84	1.76	-2.35	-2.35	-2.35

Weir Link: W-G2-I1

Scenario:	OPTION 5
From Node:	NZA-G2
To Node:	NZA-I1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.29 ft
Control Elevation:	4.29 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-I1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	025Yr-072Hr	19.28	0.00	0.00	1.90	1.90	1.90
W-G2-I1	100Yr-072Hr	21.94	0.00	-1.65	1.99	1.99	1.99

Weir Link: W-G2-OUTFALL

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	OUTFALL (89th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	100Yr-072Hr	5.59	0.00	0.00	1.26	1.26	1.26

Weir Link: W-G3-G4

Scenario:	OPTION 5
From Node:	NZA-G3
To Node:	NZA-G4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.73 ft
Control Elevation:	4.73 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G3-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	010Yr-024Hr	0.00	-3.73	0.00	0.00	0.00	0.00
W-G3-G4	025Yr-072Hr	0.00	-14.71	0.00	-1.74	-1.74	-1.74
W-G3-G4	100Yr-072Hr	0.00	-24.35	0.00	-2.21	-2.21	-2.21

Weir Link: W-G4-G5

Scenario:	OPTION 5
From Node:	NZA-G4
To Node:	NZA-G5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.84 ft
Control Elevation:	4.84 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G4-G5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	010Yr-024Hr	0.00	-7.04	0.00	0.00	0.00	0.00
W-G4-G5	025Yr-072Hr	0.00	-14.29	0.00	-1.72	-1.72	-1.72
W-G4-G5	100Yr-072Hr	0.00	-21.48	1.39	-1.95	-1.95	-1.95

Weir Link: W-G5-G6

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	Discharge Coefficients	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G5-G6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G5-G6	005Yr-024Hr	4.21	0.00	0.00	1.06	1.06	1.06
W-G5-G6	010Yr-024Hr	6.04	-1.57	-1.48	1.08	1.08	1.08
W-G5-G6	025Yr-072Hr	11.22	-2.04	-1.43	1.07	1.07	1.07
W-G5-G6	100Yr-072Hr	14.55	-1.41	-1.38	1.32	1.32	1.32

Weir Link: W-G6-G8

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.55 ft	Ref Node:	
Control Elevation:	4.55 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G6-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G6-G8	005Yr-024Hr	1.59	-2.04	0.01	-0.88	-0.88	-0.88
W-G6-G8	010Yr-024Hr	4.07	-3.24	1.07	-1.05	-1.05	-1.05
W-G6-G8	025Yr-072Hr	4.47	-6.86	1.14	-1.10	-1.10	-1.10
W-G6-G8	100Yr-072Hr	3.05	-8.97	1.13	-1.14	-1.14	-1.14

Weir Link: W-G7-G8

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-G7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.44 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-024Hr	6.31	0.00	0.00	1.30	1.30	1.30
W-G7-G8	010Yr-024Hr	9.42	0.00	2.02	1.48	1.48	1.48
W-G7-G8	025Yr-072Hr	9.91	-1.33	1.96	1.50	1.50	1.50
W-G7-G8	100Yr-072Hr	8.95	-1.09	1.82	1.47	1.47	1.47

Weir Link: W-G8-G9

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-G8	Default:	0.00 ft
To Node:	NZA-G9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.63 ft	Discharge Coefficients	
Control Elevation:	4.63 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-G9	005Yr-024Hr	0.00	-4.22	0.00	-1.15	-1.15	-1.15
W-G8-G9	010Yr-024Hr	0.00	-9.23	-0.02	-1.48	-1.48	-1.48
W-G8-G9	025Yr-072Hr	0.00	-12.10	-1.73	-1.61	-1.61	-1.61
W-G8-G9	100Yr-072Hr	0.00	-14.73	1.70	-1.71	-1.71	-1.71

Weir Link: W-G8-I7

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	4.70 ft
Control Elevation:	4.70 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-I7	005Yr-024Hr	0.00	-1.56	0.00	0.00	0.00	0.00
W-G8-I7	010Yr-024Hr	0.00	-14.80	0.00	-1.73	-1.73	-1.73
W-G8-I7	025Yr-072Hr	0.00	-20.46	1.36	-1.89	-1.89	-1.89
W-G8-I7	100Yr-072Hr	0.00	-21.55	1.58	-1.96	-1.96	-1.96

Weir Link: W-G9-FDOT3A

Scenario:	OPTION 5
From Node:	FDOT-3A
To Node:	NZA-G9
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.31 ft
Control Elevation:	4.31 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G9-FDOT3A	005Yr-001Hr	1.93	0.00	0.00	0.62	0.62	0.62
W-G9-FDOT3	005Yr-024Hr	3.22	0.00	0.00	0.90	0.90	0.90

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
W-G9-FDOT3A	010Yr-024Hr	4.54	0.00	1.41	0.88	0.88	0.88
W-G9-FDOT3A	025Yr-072Hr	5.67	0.00	1.27	0.97	0.97	0.97
W-G9-FDOT3A	100Yr-072Hr	6.29	0.00	1.11	1.13	1.13	1.13

Weir Link: W-I1-I2

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-I2	Default:	0.00 ft
To Node:	NZA-I1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.03 ft	**Discharge Coefficients**	
Control Elevation:	4.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-I2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-I2	005Yr-024Hr	7.93	0.00	0.00	1.41	1.41	1.41
W-I1-I2	010Yr-024Hr	14.30	0.00	0.00	1.72	1.72	1.72
W-I1-I2	025Yr-072Hr	19.23	0.00	-2.06	1.90	1.90	1.90
W-I1-I2	100Yr-072Hr	28.48	0.00	-2.08	2.59	2.59	2.59

Weir Link: W-I1-OUTFALL

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-I1	Default:	0.00 ft
To Node:	OUTFALL (88th)	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	5.00 ft
Control Elevation:	5.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	100Yr-072Hr	3.24	0.00	0.00	1.05	1.05	1.05

Weir Link: W-I2-I3

Scenario:	OPTION 5
From Node:	NZA-I2
To Node:	NZA-I3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.55 ft
Control Elevation:	4.55 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I2-I3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I2-I3	005Yr-024Hr	0.00	-6.81	0.00	0.00	0.00	0.00
W-I2-I3	010Yr-024Hr	0.00	-11.09	0.00	0.00	0.00	0.00
W-I2-I3	025Yr-072Hr	0.00	-14.27	0.00	-1.57	-1.57	-1.57
W-I2-I3	100Yr-072Hr	0.00	-20.84	1.77	-1.95	-1.95	-1.95

Weir Link: W-I3-I4

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-I3	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.56 ft	Discharge Coefficients	
Control Elevation:	4.56 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I3-I4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I3-I4	005Yr-024Hr	0.10	-3.17	0.00	-0.64	-0.64	-0.64
W-I3-I4	010Yr-024Hr	0.10	-5.22	0.00	-0.76	-0.76	-0.76
W-I3-I4	025Yr-072Hr	0.12	-6.79	0.00	-0.98	-0.98	-0.98
W-I3-I4	100Yr-072Hr	0.16	-13.50	2.09	-1.24	-1.24	-1.24

Weir Link: W-I4-I5

Scenario:	OPTION 5	Bottom Clip	
From Node:	NZA-I5	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.86 ft
Control Elevation:	4.86 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I4-I5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	010Yr-024Hr	0.04	-0.03	0.00	0.00	0.00	0.00
W-I4-I5	025Yr-072Hr	2.78	-0.63	0.00	1.00	1.00	1.00
W-I4-I5	100Yr-072Hr	7.91	-0.75	0.01	1.39	1.39	1.39

Weir Link: W-I5-I6

Scenario:	OPTION 5
From Node:	NZA-I6
To Node:	NZA-I5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.70 ft
Control Elevation:	4.70 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-024Hr	0.00	-1.62	0.00	0.00	0.00	0.00
W-I5-I6	010Yr-024Hr	0.00	-4.46	0.00	-1.02	-1.02	-1.02
W-I5-I6	025Yr-072Hr	0.00	-6.80	0.01	-1.30	-1.30	-1.30
W-I5-I6	100Yr-072Hr	2.55	-11.49	-0.70	-1.60	-1.60	-1.60

Weir Link: W-I6-I7

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	**Discharge Coefficients**	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	11.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-I7	005Yr-024Hr	0.00	-0.67	0.00	0.00	0.00	0.00
W-I6-I7	010Yr-024Hr	0.00	-12.30	0.00	-2.24	-2.24	-2.24
W-I6-I7	025Yr-072Hr	0.00	-15.64	0.00	-2.84	-2.84	-2.84
W-I6-I7	100Yr-072Hr	0.00	-17.52	0.00	-3.19	-3.19	-3.19

Weir Link: W-I6-OUTFALL

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	OUTFALL (CARLYLE)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	7.30 ft
Control Elevation:	7.30 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-I7-I8

Scenario:	OPTION 5
From Node:	NZA-I7
To Node:	NZA-I8
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.58 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I7-I8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I7-I8	005Yr-024Hr	0.00	-5.23	0.00	0.00	0.00	0.00
W-I7-I8	010Yr-024Hr	0.00	-12.03	0.00	-1.62	-1.62	-1.62
W-I7-I8	025Yr-072Hr	0.00	-15.43	-2.06	-1.76	-1.76	-1.76
W-I7-I8	100Yr-072Hr	0.00	-19.61	-2.07	-1.90	-1.90	-1.90

Weir Link: W-I8-FDOT4A

Scenario:	OPTION 5	**Bottom Clip**	
From Node:	FDOT-4A	Default:	0.00 ft
To Node:	NZA-I8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.87 ft	**Discharge Coefficients**	
Control Elevation:	3.87 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 5]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I8-FDOT4A	005Yr-001Hr	3.71	0.00	1.28	0.84	0.84	0.84
W-I8-FDOT4A	005Yr-024Hr	4.96	0.00	1.42	1.21	1.21	1.21
W-I8-FDOT4A	010Yr-024Hr	6.94	0.00	1.42	1.21	1.21	1.21
W-I8-FDOT4A	025Yr-072Hr	7.71	0.00	1.57	1.21	1.21	1.21
W-I8-FDOT4A	100Yr-072Hr	8.11	0.00	3.06	1.21	1.21	1.21

Rating Curve: RC-0001

Scenario: OPTION 5
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	39.60
9.90	39.60

Comment: Surfside Drainage Wells:
DW 1: 620 GPM/FT
DW 2: 800 GPM/FT
DW 3: 800 GPM/FT

Rating Curve: RC-0002

Scenario: OPTION 5
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	33.00
9.90	33.00

Comment: Surfside Drainage Wells:
DW 4: 500 GPM/FT
DW 5: 800 GPM/FT
DW 6: 550 GPM/FT

Rating Curve: RC-0003

Scenario: OPTION 5
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	27.67
9.90	27.67

Comment: Surfside Drainage Wells:
DW 7: 500 GPM/FT
DW 8: 400 GPM/FT
DW 9: 650 GPM/FT

Rating Curve: RC-0004

Scenario: OPTION 5
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	14.20
8.00	14.20

Comment: Existing Surfside Pump Station (92nd)

Rating Curve: RC-0005

Scenario: OPTION 5
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	42.88
9.90	42.88

Comment: FDOT Drainage Wells:
600 GPM/FT

Appendix O – Scenario Six

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #6

SHEET NUMBER CP-117

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '
NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988). BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

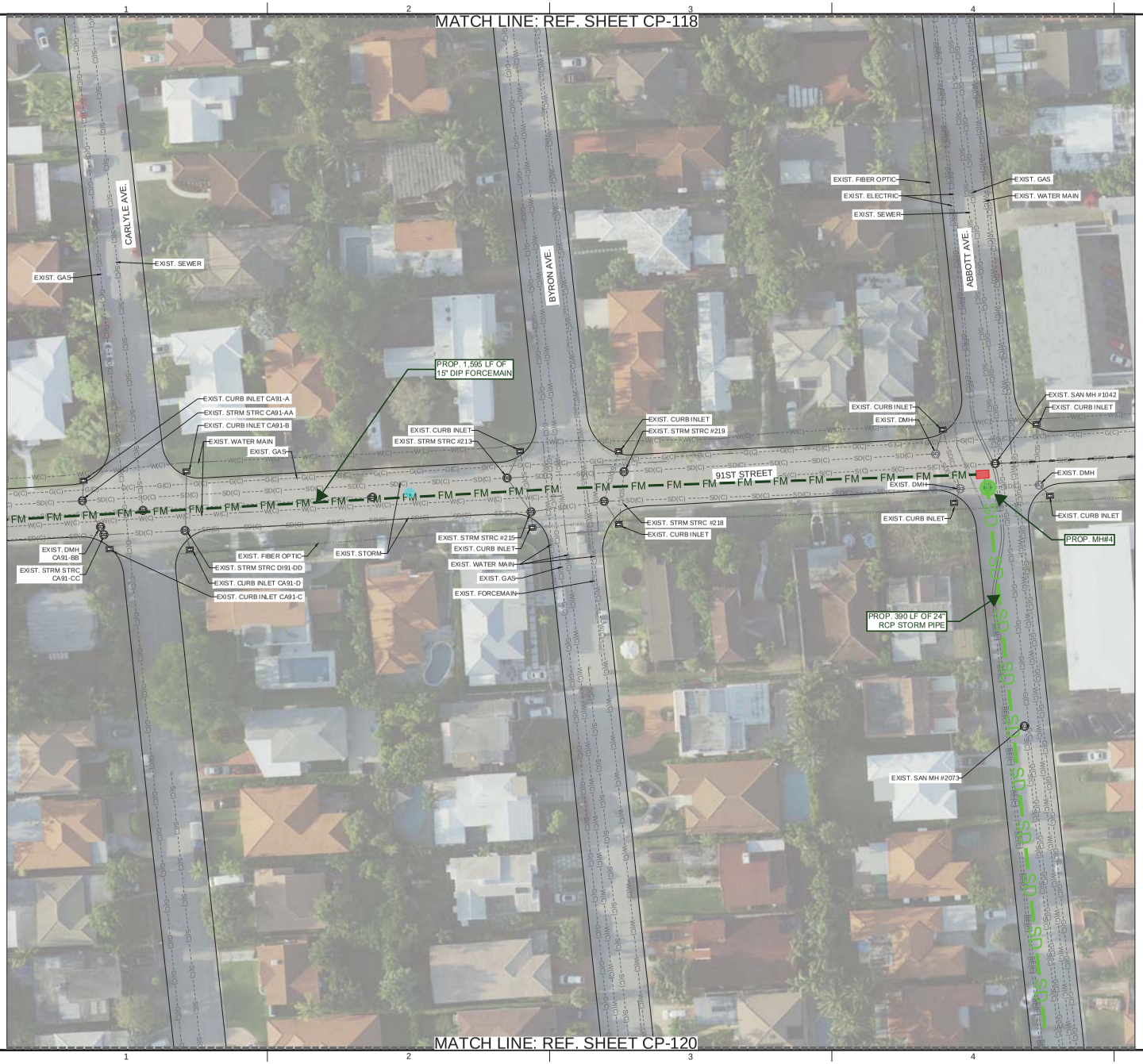
SCENARIO #6

SHEET NUMBER CP-118

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM



N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #6

SHEET NUMBER CP-119

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM

MATCH LINE: REF. SHEET CP-102

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #6

SHEET NUMBER CP-120

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM

KEITH

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
Project: Abbott Avenue Drainage Improvements
Project No. 11494.00

Scenario 6

92nd STREET IMPROVEMENTS (PUMP STATION)

Updated 6/12/21

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT
	Construction Costs				
1	Mobilization	1	LS	$10,000.00	$10,000.00
2	Maintenance of Traffic	1	LS	$10,000.00	$10,000.00
3	24" RCP Drainage Pipe (Non. Perf.)	1,784	LF	$108.00	$192,672.00
4	Remove Existing Drainage Structure	6	EA	$2,206.74	$13,240.44
5	Drainage Manhole	6	EA	$7,923.77	$47,542.62
6	Pump Station	1	LS	$800,000.00	$800,000.00
7	15" DIP FM	1,613	LF	$50.00	$80,650.00
8	Air Release Valve	1	EA	$19,767.00	$19,767.00
9	Drainage Wells	6	EA	$26,250.00	$157,500.00
10	Control Structure	1	EA	$25,500.00	$25,500.00
11	Pavement Restoration	1,400	SY	$54.00	$75,600.00
12	Restore/Restripe Pavement Markings	1	LS	$10,000.00	$10,000.00
13	Contingency (30%)	1	LS	$432,741.62	$432,741.62
				Subtotal	**$1,875,213.68**
	Additional Services				
1	Survey, Subsurface Utility Exploration (SUE) & Design Testing	1	LS	4.0%	$75,008.55
2	Professional Design Services & Permitting	1	LS	10.0%	$187,521.37
3	Construction Administration Services	1	LS	6.0%	$112,512.82
				Subtotal	**$375,042.74**
				TOTAL OPININION OF PROBABLE COST	**$2,250,256.41**

NOTES:

1 The quantities and unit prices are obtained from various sources (including contract bids for similar projects).
2 The unit prices are based on current construction costs (as of 6/12/21)
3 The locations and sizes of the existing utilities are based on best available information and cannot be guaranteed for their accuracy.
4 No utility coordination and/or relocation included in this estimate.
5 The quantities are based on the Proposed Exhibit (Scenerio 6)

Background Image: NETWORK DIAGRAM

---Unable to Generate Chart---

Simulation: 005Yr-001Hr

Scenario: OPTION 6
Run Date/Time: 6/13/2021 10:25:59 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.20 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 005Yr-024Hr

Scenario: OPTION 6
Run Date/Time: 6/13/2021 10:26:17 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	6.50 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 010Yr-024Hr

Scenario: OPTION 6
Run Date/Time: 6/13/2021 10:28:23 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~SCSIII-24
Rainfall Amount: 8.52 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 025Yr-072Hr

Scenario: OPTION 6
Run Date/Time: 6/13/2021 10:30:31 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.10 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100Yr-072Hr

Scenario: OPTION 6
Run Date/Time: 6/13/2021 10:36:02 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	17.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simple Basin: A1

Scenario:	OPTION 6
Node:	NZA-A1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7600 ac
Curve Number:	85.0

% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A2

Scenario:	OPTION 6
Node:	NZA-A2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A3

Scenario:	OPTION 6
Node:	NZA-A3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A4

Scenario:	OPTION 6
Node:	NZA-A4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA1

Scenario:	OPTION 6
Node:	NZA-AA1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA2

Scenario:	OPTION 6
Node:	NZA-AA2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA3

Scenario:	OPTION 6
Node:	NZA-AA3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA4

Scenario:	OPTION 6
Node:	NZA-AA4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA5

Scenario:	OPTION 6
Node:	NZA-AA5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B1

Scenario:	OPTION 6
Node:	NZA-B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B2

Scenario:	OPTION 6
Node:	NZA-B2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B3

Scenario:	OPTION 6
Node:	NZA-B3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B4

Scenario:	OPTION 6
Node:	NZA-B4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C1

Scenario:	OPTION 6
Node:	NZA-C1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C2

Scenario:	OPTION 6
Node:	NZA-C2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D1

Scenario:	OPTION 6
Node:	NZA-D1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D2

Scenario:	OPTION 6
Node:	NZA-D2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D3

Scenario:	OPTION 6
Node:	NZA-D3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D4

Scenario:	OPTION 6
Node:	NZA-D4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D5

Scenario:	OPTION 6
Node:	NZA-D5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.8200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D6

Scenario:	OPTION 6
Node:	NZA-D6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	9.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D7

Scenario:	OPTION 6
Node:	NZA-D7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E1

Scenario:	OPTION 6
Node:	NZA-E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E2

Scenario:	OPTION 6
Node:	NZA-E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E3

Scenario:	OPTION 6
Node:	NZA-E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E4

Scenario:	OPTION 6
Node:	NZA-E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E5

Scenario:	OPTION 6
Node:	NZA-E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E6

Scenario:	OPTION 6
Node:	NZA-E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E7

Scenario:	OPTION 6
Node:	NZA-E7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E8

Scenario:	OPTION 6
Node:	NZA-E8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F1

Scenario:	OPTION 6
Node:	NZA-F1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F2

Scenario:	OPTION 6
Node:	NZA-F2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F3

Scenario:	OPTION 6
Node:	NZA-F3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F4

Scenario:	OPTION 6
Node:	NZA-F4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F5

Scenario:	OPTION 6
Node:	NZA-F5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F6

Scenario:	OPTION 6
Node:	NZA-F6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F7

Scenario:	OPTION 6
Node:	NZA-F7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F8

Scenario:	OPTION 6
Node:	NZA-F8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F9

Scenario:	OPTION 6
Node:	NZA-F9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1A

Scenario:	OPTION 6
Node:	FDOT-1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1B

Scenario:	OPTION 6
Node:	FDOT-1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2A

Scenario:	OPTION 6
Node:	FDOT-2A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2B

Scenario:	OPTION 6
Node:	FDOT-2B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3A

Scenario:	OPTION 6
Node:	FDOT-3A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.5900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3B

Scenario:	OPTION 6
Node:	FDOT-3B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4A

Scenario:	OPTION 6
Node:	FDOT-4A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.3400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4B

Scenario:	OPTION 6
Node:	FDOT-4B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-5B

Scenario:	OPTION 6
Node:	FDOT-5B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G1

Scenario:	OPTION 6
Node:	NZA-G1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G2

Scenario:	OPTION 6
Node:	NZA-G2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G3

Scenario:	OPTION 6
Node:	NZA-G3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G4

Scenario:	OPTION 6
Node:	NZA-G4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G5

Scenario:	OPTION 6
Node:	NZA-G5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G6

Scenario:	OPTION 6
Node:	NZA-G6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G7

Scenario:	OPTION 6
Node:	NZA-G7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G8

Scenario:	OPTION 6
Node:	NZA-G8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G9

Scenario:	OPTION 6
Node:	NZA-G9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I1

Scenario:	OPTION 6
Node:	NZA-I1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I2

Scenario:	OPTION 6
Node:	NZA-I2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I3

Scenario:	OPTION 6
Node:	NZA-I3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I4

Scenario:	OPTION 6
Node:	NZA-I4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I5

Scenario:	OPTION 6
Node:	NZA-I5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I6

Scenario:	OPTION 6
Node:	NZA-I6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I7

Scenario:	OPTION 6
Node:	NZA-I7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: I8

Scenario: OPTION 6
Node: NZA-I8
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.9500 ac
Curve Number: 85.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: AQUIFER (89th)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (89th)	005Yr-001Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	005Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	010Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	025Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	100Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0

Node: AQUIFER (94th)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (94th)	005Yr-001Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	005Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	010Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	025Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	100Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0

Node: AQUIFER (CARLYLE)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0

Node: AQUIFER 91ST

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER 91ST	005Yr-001Hr	8.00	-60.00	0.0000	44.64	0.00	0
AQUIFER 91ST	005Yr-024Hr	8.00	-60.00	0.0000	44.64	0.00	0
AQUIFER 91ST	010Yr-024Hr	8.00	-60.00	0.0000	44.64	0.00	0
AQUIFER 91ST	025Yr-072Hr	8.00	-60.00	0.0000	44.64	0.00	0
AQUIFER 91ST	100Yr-072Hr	8.00	-60.00	0.0000	44.64	0.00	0

Node: FDOT AQUIFER (94TH)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT AQUIFER (CARLYLE)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment: FDOT AQUIFER

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT OUTFALL (94th)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT OUTFALL (CARLYLE)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT-1A

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6200	27007
8.00	1.8900	82328

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-001Hr	4.86	4.49	0.0028	3.50	3.37	6944

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-024Hr	4.86	4.70	0.0028	7.30	7.09	18191
FDOT-1A	010Yr-024Hr	4.86	4.81	0.0028	10.74	10.35	24297
FDOT-1A	025Yr-072Hr	4.86	5.08	0.0028	12.93	12.36	30820
FDOT-1A	100Yr-072Hr	4.86	5.56	0.0028	16.99	14.42	39277

Node: FDOT-1B

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.72	0.0001	4
5.22	0.4700	20473
8.00	0.8300	36155

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1B	005Yr-001Hr	5.22	4.50	0.0016	10.19	10.16	266
FDOT-1B	005Yr-024Hr	5.22	4.56	0.0016	12.75	12.75	267
FDOT-1B	010Yr-024Hr	5.22	5.08	-0.0019	17.37	17.33	14903
FDOT-1B	025Yr-072Hr	5.22	5.48	-0.0029	20.83	18.72	21963
FDOT-1B	100Yr-072Hr	5.22	5.85	-0.0020	28.40	19.85	24039

Node: FDOT-2A

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4

Stage [ft]	Area [ac]	Area [ft2]
3.44	0.0001	4
3.94	0.5100	22216
8.00	1.5000	65340

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2A	005Yr-001Hr	3.91	4.48	0.0077	13.23	3.73	27919
FDOT-2A	005Yr-024Hr	3.91	4.77	0.0077	12.51	8.27	31091
FDOT-2A	010Yr-024Hr	3.91	4.94	0.0077	16.59	12.70	32890
FDOT-2A	025Yr-072Hr	3.91	5.18	0.0077	20.27	15.29	35358
FDOT-2A	100Yr-072Hr	3.91	5.59	0.0077	27.64	19.73	39710

Node: FDOT-2B

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.21 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.71	0.0001	4
5.21	0.6200	27007
8.00	1.2300	53579

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2B	005Yr-001Hr	5.21	2.51	0.0176	38.27	31.73	196
FDOT-2B	005Yr-024Hr	5.21	2.86	0.0176	39.66	39.67	196
FDOT-2B	010Yr-024Hr	5.21	3.75	0.0176	47.84	47.78	196
FDOT-2B	025Yr-072Hr	5.21	4.29	0.0176	50.70	50.58	196
FDOT-2B	100Yr-072Hr	5.21	4.90	0.0176	53.67	53.48	10397

Node: FDOT-3A

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.38	0.0001	4
4.88	0.5500	23958
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3A	005Yr-001Hr	4.88	4.47	0.0225	28.26	9.60	4308
FDOT-3A	005Yr-024Hr	4.88	4.77	0.0225	28.26	9.60	18578
FDOT-3A	010Yr-024Hr	4.88	4.94	0.0225	28.26	11.68	24643
FDOT-3A	025Yr-072Hr	4.88	5.16	0.0225	28.26	12.66	27151
FDOT-3A	100Yr-072Hr	4.88	5.54	0.0225	28.26	18.40	31391

Node: FDOT-3B

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.40 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.99	0.0001	4
4.40	0.6200	27007
8.00	2.7300	118919

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3B	005Yr-001Hr	4.40	2.54	0.0098	9.82	7.26	100
FDOT-3B	005Yr-024Hr	4.40	2.90	0.0098	9.82	8.53	100
FDOT-3B	010Yr-024Hr	4.40	3.81	0.0098	11.85	11.79	100
FDOT-3B	025Yr-072Hr	4.40	4.35	0.0098	14.48	14.25	23577
FDOT-3B	100Yr-072Hr	4.40	4.97	0.0098	19.74	16.13	41608

Node: FDOT-4A

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.81	0.0001	4
4.31	0.3100	13504
8.00	1.2000	52272

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4A	005Yr-001Hr	4.18	4.46	-0.0275	12.70	28.26	15581
FDOT-4A	005Yr-024Hr	4.18	4.76	-0.0275	13.23	28.26	18679
FDOT-4A	010Yr-024Hr	4.18	4.93	-0.0275	17.42	28.26	20459
FDOT-4A	025Yr-072Hr	4.18	5.14	-0.0275	21.14	28.26	22622
FDOT-4A	100Yr-072Hr	4.18	5.47	-0.0275	28.19	28.26	26061

Node: FDOT-4B

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.40	0.0001	4
3.90	0.6300	27443
8.00	1.7500	76230

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4B	005Yr-001Hr	3.90	4.13	0.0008	10.65	0.31	30151
FDOT-4B	005Yr-024Hr	3.90	4.70	0.0001	9.95	6.81	36966
FDOT-4B	010Yr-024Hr	3.90	4.86	0.0001	12.27	10.56	38857
FDOT-4B	025Yr-072Hr	3.90	5.13	0.0001	15.00	11.84	42048
FDOT-4B	100Yr-072Hr	3.90	5.64	0.0001	20.45	12.35	48171

Node: FDOT-5B

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6600	28750
8.00	2.2300	97139

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-5B	005Yr-001Hr	4.86	4.14	0.0008	3.35	3.31	100
FDOT-5B	005Yr-024Hr	4.86	4.68	0.0001	6.33	6.23	18250
FDOT-5B	010Yr-024Hr	4.86	4.81	0.0001	11.32	10.93	25965
FDOT-5B	025Yr-072Hr	4.86	5.08	0.0001	14.50	13.84	33635
FDOT-5B	100Yr-072Hr	4.86	5.58	0.0001	18.62	15.76	44503

Node: NZA-A1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.60 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.10	0.0001	4
3.60	0.5200	22651
8.00	1.3600	59242

Comment: As-built Structure D-195

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A1	005Yr-001Hr	3.60	3.18	-0.0009	10.77	10.65	3559
NZA-A1	005Yr-024Hr	3.60	3.75	-0.0027	16.89	14.99	23953
NZA-A1	010Yr-024Hr	3.60	4.19	-0.0030	28.66	27.59	27603
NZA-A1	025Yr-072Hr	3.60	4.35	-0.0032	38.86	37.84	28908
NZA-A1	100Yr-072Hr	3.60	4.62	-0.0028	54.44	53.28	31141

Node: NZA-A2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4800	20909
8.00	1.6200	70567

Comment: AS-BUILT INLET CA-95

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A2	005Yr-001Hr	4.24	4.27	0.0005	9.92	4.81	21313
NZA-A2	005Yr-024Hr	4.24	4.87	-0.0005	13.80	12.70	29223
NZA-A2	010Yr-024Hr	4.24	5.04	-0.0005	23.37	21.31	31491
NZA-A2	025Yr-072Hr	4.24	5.15	-0.0005	30.88	28.98	32881
NZA-A2	100Yr-072Hr	4.24	5.43	-0.0005	44.97	43.58	36571

Node: NZA-A3

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.95	0.0001	4
4.45	0.6200	27007
8.00	2.2100	96268

Comment: AS-BUILT STRUCTURE BY95

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A3	005Yr-001Hr	4.45	4.53	0.0007	10.45	3.15	28562
NZA-A3	005Yr-024Hr	4.45	4.95	-0.0007	12.57	8.02	36769
NZA-A3	010Yr-024Hr	4.45	5.08	-0.0006	17.47	12.92	39217
NZA-A3	025Yr-072Hr	4.45	5.18	-0.0005	21.94	17.48	41247
NZA-A3	100Yr-072Hr	4.45	5.74	-0.0005	38.05	32.16	52218

Node: NZA-A4

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.6400	27878
8.00	2.2900	99752

Comment: As-built Structrure AB95

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A4	005Yr-001Hr	4.80	4.50	0.0007	14.98	14.36	11349
NZA-A4	005Yr-024Hr	4.80	5.09	-0.0007	12.19	10.84	34336
NZA-A4	010Yr-024Hr	4.80	5.22	-0.0007	16.68	9.63	37309
NZA-A4	025Yr-072Hr	4.80	5.48	-0.0007	23.94	16.23	43083
NZA-A4	100Yr-072Hr	4.80	5.83	-0.0007	36.48	24.19	51017

Node: NZA-AA1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1000	4356
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA1	005Yr-001Hr	4.00	3.09	0.0010	11.20	11.20	308
NZA-AA1	005Yr-024Hr	4.00	3.21	0.0010	13.27	13.26	308
NZA-AA1	010Yr-024Hr	4.00	3.45	0.0010	17.53	17.53	308
NZA-AA1	025Yr-072Hr	4.00	3.58	0.0010	20.04	20.03	995
NZA-AA1	100Yr-072Hr	4.00	3.79	0.0010	24.39	24.36	2809

Node: NZA-AA2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.0900	3920
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA2	005Yr-001Hr	4.00	3.17	0.0010	9.05	9.04	381
NZA-AA2	005Yr-024Hr	4.00	3.30	0.0010	10.67	10.67	381
NZA-AA2	010Yr-024Hr	4.00	3.55	0.0010	14.02	14.03	767
NZA-AA2	025Yr-072Hr	4.00	3.69	0.0010	15.98	16.02	1822
NZA-AA2	100Yr-072Hr	4.00	3.91	0.0010	19.35	19.43	3548

Node: NZA-AA3

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.5200	22651
8.00	1.0800	47045

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA3	005Yr-001Hr	4.00	3.22	0.0026	7.06	7.02	327
NZA-AA3	005Yr-024Hr	4.00	3.35	0.0026	8.25	8.23	328
NZA-AA3	010Yr-024Hr	4.00	3.61	0.0026	10.84	10.81	4971
NZA-AA3	025Yr-072Hr	4.00	3.75	0.0026	12.62	12.41	11323
NZA-AA3	100Yr-072Hr	4.00	3.98	0.0026	15.98	15.10	21822

Node: NZA-AA4

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1300	5663
8.00	0.7900	34412

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA4	005Yr-001Hr	4.00	3.22	0.0044	18.47	6.17	375
NZA-AA4	005Yr-024Hr	4.00	3.36	0.0044	18.47	6.17	375
NZA-AA4	010Yr-024Hr	4.00	3.62	0.0044	18.47	7.79	1538
NZA-AA4	025Yr-072Hr	4.00	3.76	0.0044	18.47	8.91	3165
NZA-AA4	100Yr-072Hr	4.00	4.00	0.0044	18.47	10.94	5848

Node: NZA-AA5

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1200	5227
8.00	0.4300	18731

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA5	005Yr-001Hr	4.00	3.50	-0.0066	3.27	19.35	404
NZA-AA5	005Yr-024Hr	4.00	3.50	-0.0066	3.71	19.35	404
NZA-AA5	010Yr-024Hr	4.00	3.63	-0.0066	4.76	19.35	1523
NZA-AA5	025Yr-072Hr	4.00	3.77	-0.0066	5.63	19.35	3029
NZA-AA5	100Yr-072Hr	4.00	4.01	-0.0066	7.35	19.35	5430

Node: NZA-AA7

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4700	20473
8.00	0.8800	38333

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA7	005Yr-001Hr	8.00	4.49	0.0007	14.36	0.00	22643
NZA-AA7	005Yr-024Hr	8.00	5.09	-0.0020	10.73	3.18	25328
NZA-AA7	010Yr-024Hr	8.00	5.22	-0.0017	8.80	2.92	25918
NZA-AA7	025Yr-072Hr	8.00	5.48	-0.0014	9.55	2.97	27065
NZA-AA7	100Yr-072Hr	8.00	5.83	-0.0001	13.19	4.09	28642

Node: NZA-B1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.17 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.67	0.0001	4
4.17	0.7000	30492
8.00	1.9500	84942

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B1	005Yr-001Hr	4.17	2.79	-0.0057	31.58	32.82	100
NZA-B1	005Yr-024Hr	4.17	3.15	-0.0061	37.03	37.54	100
NZA-B1	010Yr-024Hr	4.17	3.80	-0.0061	41.10	40.63	7968
NZA-B1	025Yr-072Hr	4.17	4.11	-0.0062	49.11	48.09	26902
NZA-B1	100Yr-072Hr	4.17	4.62	-0.0119	81.34	79.11	36856

Node: NZA-B2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.73 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.23	0.0001	4
4.73	0.5200	22651
8.00	1.6900	73616

Comment: As-built Structure EX-283

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B2	005Yr-001Hr	4.73	3.06	-0.0042	14.82	15.25	100
NZA-B2	005Yr-024Hr	4.73	3.66	-0.0048	19.76	20.09	100
NZA-B2	010Yr-024Hr	4.73	4.55	-0.0048	25.46	23.96	14667
NZA-B2	025Yr-072Hr	4.73	4.78	-0.0049	31.90	30.36	23452
NZA-B2	100Yr-072Hr	4.73	5.06	-0.0050	44.40	43.19	27797

Node: NZA-B3

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.83 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.33	0.0001	4
4.83	0.5500	23958
8.00	1.0800	47045

Comment: As-built Structure EX-291

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B3	005Yr-001Hr	4.83	3.21	-0.0034	6.04	6.01	100
NZA-B3	005Yr-024Hr	4.83	4.00	-0.0036	8.95	9.09	100
NZA-B3	010Yr-024Hr	4.83	4.77	-0.0040	13.88	14.42	21119
NZA-B3	025Yr-072Hr	4.83	4.90	-0.0072	17.81	17.39	24490
NZA-B3	100Yr-072Hr	4.83	5.26	-0.0129	29.13	27.91	27070

Node: NZA-B4

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3400	14810
8.00	1.4300	62291

Comment: AS-BUILT STRUCTURE EX-295

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B4	005Yr-001Hr	4.80	3.22	-0.0081	19.19	19.11	100
NZA-B4	005Yr-024Hr	4.80	4.05	-0.0081	26.29	26.40	100
NZA-B4	010Yr-024Hr	4.80	5.03	-0.0086	36.04	34.17	18222
NZA-B4	025Yr-072Hr	4.80	5.47	-0.0124	37.93	39.59	24727
NZA-B4	100Yr-072Hr	4.80	5.82	-0.0081	44.56	40.49	29935

Node: NZA-C1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.6800	29621
8.00	2.1100	91912

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C1	005Yr-001Hr	4.44	3.87	-0.0008	6.93	6.98	100
NZA-C1	005Yr-024Hr	4.44	4.28	-0.0011	8.34	7.57	20168
NZA-C1	010Yr-024Hr	4.44	4.75	-0.0021	11.59	7.73	35116
NZA-C1	025Yr-072Hr	4.44	5.00	-0.0022	15.16	8.84	39359
NZA-C1	100Yr-072Hr	4.44	5.33	-0.0022	26.13	23.78	45143

Node: NZA-C2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 5.78 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
5.28	0.0001	4
5.78	0.5000	21780
8.00	1.3900	60548

Comment: AS-BUILT STRUCTURE EX-404.

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C2	005Yr-001Hr	5.78	5.86	0.0013	9.36	5.89	23198
NZA-C2	005Yr-024Hr	5.78	5.96	-0.0008	11.25	10.04	24938
NZA-C2	010Yr-024Hr	5.78	6.05	-0.0008	15.64	14.40	26526
NZA-C2	025Yr-072Hr	5.78	6.11	-0.0007	19.12	17.77	27576
NZA-C2	100Yr-072Hr	5.78	6.21	-0.0005	26.07	24.76	29352

Node: NZA-CS-01

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-01	005Yr-001Hr	8.00	2.01	-0.0178	32.82	36.18	100
NZA-CS-01	005Yr-024Hr	8.00	2.02	0.0190	37.54	38.57	100
NZA-CS-01	010Yr-024Hr	8.00	2.13	0.0199	40.63	40.66	100
NZA-CS-01	025Yr-072Hr	8.00	2.27	0.0198	42.67	42.71	100
NZA-CS-01	100Yr-072Hr	8.00	2.45	0.0195	46.28	46.31	100

Node: NZA-CS-02

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.83	0.0010	44

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-02	005Yr-001Hr	8.00	2.01	-0.0147	23.58	28.25	100
NZA-CS-02	005Yr-024Hr	8.00	2.01	-0.0151	26.69	29.83	100
NZA-CS-02	010Yr-024Hr	8.00	2.02	0.0170	33.00	33.08	100
NZA-CS-02	025Yr-072Hr	8.00	2.19	0.0170	34.91	34.98	100
NZA-CS-02	100Yr-072Hr	8.00	2.34	0.0169	37.51	37.58	100

Node: NZA-CS-03

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-03	005Yr-001Hr	8.00	3.37	0.0002	25.20	25.18	100
NZA-CS-03	005Yr-024Hr	8.00	3.81	-0.0004	30.25	30.25	100
NZA-CS-03	010Yr-024Hr	8.00	4.30	-0.0004	35.07	35.07	100
NZA-CS-03	025Yr-072Hr	8.00	4.48	0.0005	36.69	36.69	100
NZA-CS-03	100Yr-072Hr	8.00	4.77	-0.0004	39.06	39.06	100

Node: NZA-CS-04

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0010	44

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	005Yr-001Hr	8.00	2.49	-0.0005	6.66	6.66	100
NZA-CS-04	005Yr-024Hr	8.00	2.70	-0.0007	8.25	8.25	100
NZA-CS-04	010Yr-024Hr	8.00	2.90	-0.0007	9.15	9.15	100
NZA-CS-04	025Yr-072Hr	8.00	2.98	-0.0007	9.42	9.42	100
NZA-CS-04	100Yr-072Hr	8.00	3.11	-0.0007	9.87	9.87	100

Node: NZA-CS-05

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-05	005Yr-001Hr	8.00	2.98	0.0002	11.15	11.15	100
NZA-CS-05	005Yr-024Hr	8.00	3.93	-0.0011	15.07	15.04	100
NZA-CS-05	010Yr-024Hr	8.00	4.54	-0.0015	15.39	15.33	100
NZA-CS-05	025Yr-072Hr	8.00	4.68	-0.0016	15.54	15.46	100
NZA-CS-05	100Yr-072Hr	8.00	5.07	-0.0016	15.66	15.57	100

Node: NZA-CS-10

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
8.00	0.0010	44

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-10	005Yr-001Hr	8.00	2.68	0.0002	0.20	0.02	100
NZA-CS-10	005Yr-024Hr	8.00	2.78	-0.0002	0.10	0.22	100
NZA-CS-10	010Yr-024Hr	8.00	3.86	-0.0002	0.10	0.22	100
NZA-CS-10	025Yr-072Hr	8.00	4.65	-0.0008	0.14	0.76	100
NZA-CS-10	100Yr-072Hr	8.00	4.98	-0.0008	0.17	0.76	100

Node: NZA-CS-TOWN

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.15	0.0010	44

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-TOWN	005Yr-001Hr	8.00	2.94	0.0010	11.20	11.20	341
NZA-CS-TOWN	005Yr-024Hr	8.00	3.05	0.0010	13.26	13.26	343
NZA-CS-TOWN	010Yr-024Hr	8.00	3.27	0.0010	17.53	17.53	344
NZA-CS-TOWN	025Yr-072Hr	8.00	3.38	0.0010	20.03	20.03	344
NZA-CS-TOWN	100Yr-072Hr	8.00	3.57	0.0010	24.36	24.36	344

Node: NZA-D1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4400	19166
8.00	1.1600	50530

Comment: AS-BUILT STRUCTURE EX-271

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D1	005Yr-001Hr	3.56	3.01	-0.0004	13.64	13.63	100
NZA-D1	005Yr-024Hr	3.56	3.99	-0.0015	24.10	18.98	22184
NZA-D1	010Yr-024Hr	3.56	4.60	-0.0020	37.76	30.95	26492
NZA-D1	025Yr-072Hr	3.56	4.73	-0.0021	46.43	36.61	27455
NZA-D1	100Yr-072Hr	3.56	5.12	-0.0022	53.49	40.67	30204

Node: NZA-D2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.62 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.12	0.0001	4
3.62	0.4900	21344
8.00	1.4700	64033

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D2	005Yr-001Hr	3.62	3.73	0.0008	16.90	9.90	22419
NZA-D2	005Yr-024Hr	3.62	4.43	0.0009	25.56	25.09	29294
NZA-D2	010Yr-024Hr	3.62	4.78	0.0009	37.81	38.72	32722
NZA-D2	025Yr-072Hr	3.62	5.00	-0.0012	47.92	42.32	34803
NZA-D2	100Yr-072Hr	3.62	5.40	-0.0011	58.87	50.14	38725

Node: NZA-D3

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.98 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.48	0.0001	4
3.98	0.4700	20473
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE EX-263

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D3	005Yr-001Hr	3.98	3.96	0.0003	8.60	4.46	19679
NZA-D3	005Yr-024Hr	3.98	4.62	-0.0026	21.74	21.13	27677
NZA-D3	010Yr-024Hr	3.98	5.03	-0.0027	34.76	31.87	32285
NZA-D3	025Yr-072Hr	3.98	5.31	-0.0029	42.89	34.55	35472
NZA-D3	100Yr-072Hr	3.98	5.83	-0.0022	47.16	41.44	41373

Node: NZA-D4

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.16 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.66	0.0001	4
4.16	0.9400	40946
8.00	2.5700	111949

Comment: AS-BUILT STRUCTURE EX-258

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D4	005Yr-001Hr	4.16	4.27	0.0009	13.47	2.34	42940
NZA-D4	005Yr-024Hr	4.16	4.94	-0.0030	23.83	16.68	55311
NZA-D4	010Yr-024Hr	4.16	5.24	-0.0027	36.56	26.67	60829
NZA-D4	025Yr-072Hr	4.16	5.57	-0.0022	40.53	29.03	67097
NZA-D4	100Yr-072Hr	4.16	6.20	-0.0001	49.61	34.69	78709

Node: NZA-D5

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.9400	40946
8.00	1.5200	66211

Comment: AS-BUILT STRUCTURE EX-253

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D5	005Yr-001Hr	4.46	4.60	0.0010	15.06	2.29	41925
NZA-D5	005Yr-024Hr	4.46	4.94	-0.0013	18.11	12.73	44407
NZA-D5	010Yr-024Hr	4.46	5.34	-0.0011	25.18	18.41	47212
NZA-D5	025Yr-072Hr	4.46	5.70	-0.0009	30.77	22.11	49827
NZA-D5	100Yr-072Hr	4.46	6.38	-0.0003	42.03	27.78	54685

Node: NZA-D6

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.48 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.98	0.0001	4
4.48	1.0400	45302
8.00	1.9600	85378

Comment: AS-BUILT STRUCTURE EX-249

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D6	005Yr-001Hr	4.48	4.55	0.0009	15.89	5.75	46061
NZA-D6	005Yr-024Hr	4.48	4.83	-0.0008	19.32	14.49	49238
NZA-D6	010Yr-024Hr	4.48	5.34	-0.0007	26.74	20.78	55122
NZA-D6	025Yr-072Hr	4.48	5.73	-0.0006	37.98	23.13	59548
NZA-D6	100Yr-072Hr	4.48	6.42	-0.0006	57.28	25.04	67430

Node: NZA-D7

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.90	0.5900	25700
8.00	1.9200	83635

Comment: AS-BUILT STRUCTURE EX-HG92

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D7	005Yr-001Hr	3.90	3.50	-0.0015	15.01	13.29	5381
NZA-D7	005Yr-024Hr	3.90	4.82	-0.0065	28.44	17.04	38713
NZA-D7	010Yr-024Hr	3.90	5.34	-0.0069	42.77	17.93	46054
NZA-D7	025Yr-072Hr	3.90	5.73	-0.0076	50.29	18.19	51546
NZA-D7	100Yr-072Hr	3.90	6.42	-0.0071	56.82	18.53	61327

Node: NZA-DS1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.20	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS1	005Yr-001Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS1	005Yr-024Hr	8.00	1.60	0.0001	0.06	0.01	100
NZA-DS1	010Yr-024Hr	8.00	1.60	-0.0001	1.03	1.12	100
NZA-DS1	025Yr-072Hr	8.00	1.60	-0.0002	3.07	3.23	100
NZA-DS1	100Yr-072Hr	8.00	1.60	-0.0002	6.68	6.79	100

Node: NZA-DS2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.86	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS2	005Yr-001Hr	8.00	1.60	0.0000	0.02	0.00	100
NZA-DS2	005Yr-024Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS2	010Yr-024Hr	8.00	1.60	0.0001	0.06	0.02	100
NZA-DS2	025Yr-072Hr	8.00	1.60	0.0002	1.91	2.06	100
NZA-DS2	100Yr-072Hr	8.00	1.60	0.0002	4.51	4.62	100

Node: NZA-DS3

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.90	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS3	005Yr-001Hr	8.00	1.61	-0.0017	25.18	25.24	100
NZA-DS3	005Yr-024Hr	8.00	1.62	-0.0019	30.25	30.31	100
NZA-DS3	010Yr-024Hr	8.00	1.62	-0.0020	35.07	35.09	100
NZA-DS3	025Yr-072Hr	8.00	1.62	-0.0020	36.69	36.74	100
NZA-DS3	100Yr-072Hr	8.00	1.63	-0.0020	39.06	39.11	100

Node: NZA-E1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.5100	22216
8.00	1.8400	80150

Comment: AS-BUILT STRUCTURE BA91

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E1	005Yr-001Hr	4.18	2.68	0.0002	24.87	24.87	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E1	005Yr-024Hr	4.18	2.78	0.0005	29.79	29.79	100
NZA-E1	010Yr-024Hr	4.18	3.86	0.0005	53.26	53.04	7952
NZA-E1	025Yr-072Hr	4.18	4.65	-0.0015	71.48	63.01	29448
NZA-E1	100Yr-072Hr	4.18	4.98	-0.0015	86.28	86.16	34353

Node: NZA-E2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4500	19602
8.00	1.4400	62726

Comment: AS-BUILT STRUCTURE EX-180

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E2	005Yr-001Hr	4.24	3.57	0.0002	15.24	15.24	100
NZA-E2	005Yr-024Hr	4.24	4.18	-0.0009	20.58	19.12	17284
NZA-E2	010Yr-024Hr	4.24	4.63	-0.0025	32.45	30.76	24139
NZA-E2	025Yr-072Hr	4.24	4.85	-0.0027	38.75	36.34	26618
NZA-E2	100Yr-072Hr	4.24	5.24	-0.0028	47.55	42.84	31061

Node: NZA-E3

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4

Stage [ft]	Area [ac]	Area [ft2]
4.15	0.0001	4
4.65	0.4600	20038
8.00	1.4500	63162

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E3	005Yr-001Hr	4.65	3.90	0.0005	12.94	12.91	100
NZA-E3	005Yr-024Hr	4.65	4.43	-0.0008	17.66	17.18	11265
NZA-E3	010Yr-024Hr	4.65	4.78	-0.0008	27.92	25.70	21689
NZA-E3	025Yr-072Hr	4.65	4.99	-0.0008	34.04	29.57	24486
NZA-E3	100Yr-072Hr	4.65	5.40	-0.0008	43.49	33.18	29763

Node: NZA-E4

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.4600	20038
8.00	1.4900	64904

Comment: AS-BUILT STRUCTURE EX-191

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E4	005Yr-001Hr	4.46	4.30	0.0016	11.01	6.91	13746
NZA-E4	005Yr-024Hr	4.46	4.61	-0.0022	12.46	11.58	21963
NZA-E4	010Yr-024Hr	4.46	4.80	-0.0024	19.07	17.54	24356
NZA-E4	025Yr-072Hr	4.46	5.07	-0.0025	26.20	22.31	27743
NZA-E4	100Yr-072Hr	4.46	5.54	-0.0019	31.97	24.17	33768

Node: NZA-E5

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.59 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.09	0.0001	4
4.59	0.4600	20038
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE DI91

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E5	005Yr-001Hr	4.59	4.30	0.0017	7.10	8.02	8609
NZA-E5	005Yr-024Hr	4.59	4.61	-0.0021	8.54	10.93	20373
NZA-E5	010Yr-024Hr	4.59	4.80	-0.0022	12.17	11.10	22923
NZA-E5	025Yr-072Hr	4.59	5.07	-0.0024	18.57	14.94	26496
NZA-E5	100Yr-072Hr	4.59	5.55	-0.0021	19.79	15.80	32907

Node: NZA-E6

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.72	0.0001	4
4.22	0.4700	20473
8.00	1.4700	64033

Comment: AS-BUILT STRUCTURE EX-CA91

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E6	005Yr-001Hr	4.22	4.27	0.0009	11.04	7.23	21028
NZA-E6	005Yr-024Hr	4.22	4.62	-0.0015	12.74	7.51	25045
NZA-E6	010Yr-024Hr	4.22	4.81	-0.0015	15.28	8.29	27251
NZA-E6	025Yr-072Hr	4.22	5.08	-0.0017	17.02	9.94	30338
NZA-E6	100Yr-072Hr	4.22	5.56	-0.0015	20.19	11.12	35931

Node: NZA-E7

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.06 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.56	0.0001	4
4.06	0.4500	19602
8.00	1.3500	58806

Comment: AS-BUILT STRUCTURE EX-215

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E7	005Yr-001Hr	4.06	4.26	0.0007	13.98	3.57	21612
NZA-E7	005Yr-024Hr	4.06	4.61	-0.0052	15.28	10.01	25075
NZA-E7	010Yr-024Hr	4.06	4.80	-0.0049	17.40	15.69	27020
NZA-E7	025Yr-072Hr	4.06	5.07	-0.0056	21.84	19.08	29687
NZA-E7	100Yr-072Hr	4.06	5.56	-0.0051	30.00	22.60	34556

Node: NZA-E8

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4500	19602
8.00	1.3300	57935

Comment: AS-BUILT STRUCTURE EX-AB91

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E8	005Yr-001Hr	4.00	1.87	-0.0079	23.98	25.20	100
NZA-E8	005Yr-024Hr	4.00	3.59	-0.0080	38.91	39.01	3404
NZA-E8	010Yr-024Hr	4.00	4.80	-0.0080	53.43	39.14	27298
NZA-E8	025Yr-072Hr	4.00	5.06	-0.0080	63.96	38.96	29748
NZA-E8	100Yr-072Hr	4.00	5.55	-0.0081	77.80	38.40	34452

Node: NZA-E9

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E9	005Yr-001Hr	8.00	1.80	-0.0100	33.01	35.95	100
NZA-E9	005Yr-024Hr	8.00	3.38	-0.0104	45.12	44.88	100
NZA-E9	010Yr-024Hr	8.00	4.62	-0.0104	45.61	45.13	100
NZA-E9	025Yr-072Hr	8.00	4.86	-0.0105	45.65	45.15	100
NZA-E9	100Yr-072Hr	8.00	5.35	-0.0105	45.85	45.24	100

Node: NZA-F1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 2.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
2.41	0.0001	4
2.91	0.4700	20473
8.00	1.3100	57064

Comment: AS-BUILT STRUCTURE EX-114

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F1	005Yr-001Hr	2.91	2.99	-0.0003	8.05	2.64	21089
NZA-F1	005Yr-024Hr	2.91	3.45	-0.0006	9.43	6.27	24335
NZA-F1	010Yr-024Hr	2.91	4.16	-0.0007	12.82	8.25	29508
NZA-F1	025Yr-072Hr	2.91	4.66	-0.0007	16.15	13.85	33046
NZA-F1	100Yr-072Hr	2.91	5.15	-0.0007	31.40	24.02	36593

Node: NZA-F2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.08 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.58	0.0001	4
4.08	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-119

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F2	005Yr-001Hr	4.08	3.83	0.0003	5.40	4.25	6696
NZA-F2	005Yr-024Hr	4.08	4.18	-0.0013	8.77	8.42	14252
NZA-F2	010Yr-024Hr	4.08	4.32	-0.0010	14.96	14.87	15297
NZA-F2	025Yr-072Hr	4.08	4.66	-0.0011	25.82	24.82	17869
NZA-F2	100Yr-072Hr	4.08	5.23	-0.0010	39.78	36.21	22061

Node: NZA-F3

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.96 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.46	0.0001	4
3.96	0.4200	18295
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 123

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F3	005Yr-001Hr	3.96	4.04	0.0005	6.45	1.80	19100
NZA-F3	005Yr-024Hr	3.96	4.40	-0.0015	7.76	5.11	23013
NZA-F3	010Yr-024Hr	3.96	4.54	-0.0016	11.54	11.34	24515
NZA-F3	025Yr-072Hr	3.96	4.71	-0.0016	21.21	20.74	26298
NZA-F3	100Yr-072Hr	3.96	5.44	-0.0013	38.98	28.77	34143

Node: NZA-F4

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.61 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.11	0.0001	4
3.61	0.4500	19602
8.00	1.4500	63162

Comment: EX.AS-BUILT STRUCTURE 126

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F4	005Yr-001Hr	3.61	3.82	0.0006	7.80	1.02	21715
NZA-F4	005Yr-024Hr	3.61	4.86	0.0001	9.12	2.73	31991
NZA-F4	010Yr-024Hr	3.61	4.99	0.0001	12.26	6.71	33297
NZA-F4	025Yr-072Hr	3.61	5.14	0.0001	16.23	15.89	34803
NZA-F4	100Yr-072Hr	3.61	5.57	0.0001	34.90	29.71	39078

Node: NZA-F5

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.38	0.0001	4
3.88	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 131

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F5	005Yr-001Hr	3.88	3.94	0.0006	6.95	2.17	20221
NZA-F5	005Yr-024Hr	3.88	4.88	0.0001	8.29	2.61	29741
NZA-F5	010Yr-024Hr	3.88	5.10	0.0001	11.68	4.66	32007
NZA-F5	025Yr-072Hr	3.88	5.30	-0.0001	13.82	9.17	34009
NZA-F5	100Yr-072Hr	3.88	5.67	0.0001	24.81	22.44	37754

Node: NZA-F6

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.15	0.0001	4
3.65	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 135

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F6	005Yr-001Hr	3.65	3.95	0.0006	8.04	0.98	22458
NZA-F6	005Yr-024Hr	3.65	4.85	0.0001	9.04	5.11	31116
NZA-F6	010Yr-024Hr	3.65	5.10	0.0001	15.94	8.26	33536
NZA-F6	025Yr-072Hr	3.65	5.30	-0.0001	15.80	10.26	35481
NZA-F6	100Yr-072Hr	3.65	5.70	0.0001	23.68	13.58	39270

Node: NZA-F7

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.29 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.79	0.0001	4
4.29	0.4400	19166
8.00	1.4700	64033

Comment: EX.AS-BUILT STRUCTURE 141

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F7	005Yr-001Hr	4.29	4.24	0.0005	6.62	3.18	17409
NZA-F7	005Yr-024Hr	4.29	4.84	-0.0004	7.97	7.84	25787
NZA-F7	010Yr-024Hr	4.29	5.10	-0.0003	14.86	13.05	28907
NZA-F7	025Yr-072Hr	4.29	5.30	-0.0002	19.43	15.50	31355
NZA-F7	100Yr-072Hr	4.29	5.70	0.0001	30.43	20.07	36210

Node: NZA-F8

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.4400	19166
8.00	1.4600	63598

Comment: EX.AS-BUILT STRUCTURE 142

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F8	005Yr-001Hr	4.44	4.03	0.0002	7.71	7.66	3605
NZA-F8	005Yr-024Hr	4.44	4.75	0.0001	10.67	11.45	23102
NZA-F8	010Yr-024Hr	4.44	5.09	0.0001	19.68	17.95	27255
NZA-F8	025Yr-072Hr	4.44	5.27	-0.0002	25.36	20.46	29567
NZA-F8	100Yr-072Hr	4.44	5.69	0.0001	38.44	26.08	34824

Node: NZA-F9

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.27 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.77	0.0001	4
4.27	0.3600	15682
8.00	1.1200	48787

Comment: EX.AS-BUILT STRUCTURE 148

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F9	005Yr-001Hr	4.27	2.21	-0.0022	7.78	7.86	100
NZA-F9	005Yr-024Hr	4.27	3.63	-0.0020	8.83	8.95	100
NZA-F9	010Yr-024Hr	4.27	5.08	-0.0114	17.67	15.63	22910
NZA-F9	025Yr-072Hr	4.27	5.27	-0.0122	27.55	15.94	24549
NZA-F9	100Yr-072Hr	4.27	5.69	-0.0118	41.24	15.26	28298

Node: NZA-G1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.81 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.31	0.0001	4
3.81	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-166

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G1	005Yr-001Hr	3.81	3.00	-0.0006	3.59	3.69	100
NZA-G1	005Yr-024Hr	3.81	3.43	-0.0009	4.34	4.43	3202
NZA-G1	010Yr-024Hr	3.81	4.14	-0.0009	5.99	5.97	15798
NZA-G1	025Yr-072Hr	3.81	4.65	-0.0010	10.24	9.72	19383
NZA-G1	100Yr-072Hr	3.81	5.15	-0.0009	16.29	10.63	22876

Node: NZA-G2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.6800	29621
8.00	2.2400	97574

Comment: EX.AS-BUILT STRUCTURE 108

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G2	005Yr-001Hr	4.00	2.78	-0.0042	24.73	26.13	100
NZA-G2	005Yr-024Hr	4.00	3.10	-0.0043	28.33	29.32	100
NZA-G2	010Yr-024Hr	4.00	3.80	-0.0043	37.44	37.66	17895
NZA-G2	025Yr-072Hr	4.00	4.63	-0.0079	51.66	49.72	40310
NZA-G2	100Yr-072Hr	4.00	5.15	-0.0066	72.67	56.65	49265

Node: NZA-G3

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.20 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.70	0.0001	4
4.20	0.4000	17424
8.00	1.2500	54450

Comment: EX.AS-BUILT STRUCTURE 105

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G3	005Yr-001Hr	4.20	3.64	-0.0025	14.28	14.47	100
NZA-G3	005Yr-024Hr	4.20	3.94	-0.0027	15.90	15.33	8478
NZA-G3	010Yr-024Hr	4.20	4.36	-0.0028	18.97	18.32	19030
NZA-G3	025Yr-072Hr	4.20	4.77	-0.0037	28.87	27.73	22962
NZA-G3	100Yr-072Hr	4.20	5.40	-0.0043	49.00	37.85	29106

Node: NZA-G4

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3800	16553
8.00	0.9600	41818

Comment: EX.AS-BUILT STRUCTURE 101

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G4	005Yr-001Hr	4.80	3.96	0.0003	8.88	8.92	506
NZA-G4	005Yr-024Hr	4.80	4.32	-0.0008	9.95	10.00	649
NZA-G4	010Yr-024Hr	4.80	4.86	-0.0008	13.72	13.61	17077
NZA-G4	025Yr-072Hr	4.80	5.09	-0.0013	22.87	22.58	18848
NZA-G4	100Yr-072Hr	4.80	5.56	-0.0013	38.22	35.95	22576

Node: NZA-G5

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.3900	16988
8.00	1.1100	48352

Comment: EX.AS-BUILT STRUCTURE 95

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G5	005Yr-001Hr	4.46	4.24	0.0003	5.59	4.42	9580
NZA-G5	005Yr-024Hr	4.46	4.75	-0.0036	8.62	7.20	19568
NZA-G5	010Yr-024Hr	4.46	5.06	-0.0039	12.09	9.24	22275
NZA-G5	025Yr-072Hr	4.46	5.20	-0.0040	15.98	15.79	23571
NZA-G5	100Yr-072Hr	4.46	5.64	-0.0040	25.70	22.18	27419

Node: NZA-G6

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.42 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.92	0.0001	4
4.42	0.3600	15682
8.00	1.1400	49658

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G6	005Yr-001Hr	4.42	4.25	0.0002	4.76	3.41	10336
NZA-G6	005Yr-024Hr	4.42	4.75	-0.0007	7.59	4.68	18857
NZA-G6	010Yr-024Hr	4.42	5.07	-0.0007	11.22	5.34	21815
NZA-G6	025Yr-072Hr	4.42	5.24	-0.0009	13.16	10.86	23483
NZA-G6	100Yr-072Hr	4.42	5.67	-0.0008	18.56	13.80	27588

Node: NZA-G7

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.19 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.69	0.0001	4
4.19	0.4600	20038
8.00	1.5200	66211

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G7	005Yr-001Hr	4.19	4.38	0.0009	7.07	0.00	22304
NZA-G7	005Yr-024Hr	4.19	4.76	0.0001	8.50	8.01	26892
NZA-G7	010Yr-024Hr	4.19	5.07	0.0001	15.14	11.01	30678
NZA-G7	025Yr-072Hr	4.19	5.25	0.0001	18.35	12.21	32931
NZA-G7	100Yr-072Hr	4.19	5.68	0.0001	21.49	12.76	38129

Node: NZA-G8

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.3300	14375
8.00	0.9800	42689

Comment: EX.AS-BUILT STRUCTURE 80

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G8	005Yr-001Hr	4.18	4.03	0.0002	18.19	14.98	10112
NZA-G8	005Yr-024Hr	4.18	4.75	0.0001	21.14	16.34	18616
NZA-G8	010Yr-024Hr	4.18	5.06	0.0001	26.91	23.65	20971
NZA-G8	025Yr-072Hr	4.18	5.25	-0.0002	30.98	28.42	22370
NZA-G8	100Yr-072Hr	4.18	5.68	-0.0001	39.00	31.07	25534

Node: NZA-G9

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.84 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.34	0.0001	4
4.84	0.4100	17860
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G9	005Yr-001Hr	4.84	4.47	0.0002	8.19	7.00	4489
NZA-G9	005Yr-024Hr	4.84	4.77	-0.0003	8.87	7.54	15206
NZA-G9	010Yr-024Hr	4.84	5.07	0.0002	13.22	10.53	20797
NZA-G9	025Yr-072Hr	4.84	5.26	0.0002	15.68	12.38	23301
NZA-G9	100Yr-072Hr	4.84	5.69	-0.0002	19.47	13.32	28873

Node: NZA-I1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.72 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.22	0.0001	4
3.72	0.2300	10019
8.00	2.0000	87120

Comment: As-built Structure EX-2011

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I1	005Yr-001Hr	3.72	2.45	-0.0012	6.75	6.68	100
NZA-I1	005Yr-024Hr	3.72	2.74	-0.0013	14.41	14.36	100
NZA-I1	010Yr-024Hr	3.72	3.23	-0.0013	22.12	22.12	136
NZA-I1	025Yr-072Hr	3.72	4.34	-0.0063	30.39	27.53	21183
NZA-I1	100Yr-072Hr	3.72	5.11	-0.0113	44.42	32.85	35003

Node: NZA-I2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.95	0.2900	12632
8.00	0.9600	41818

Comment: As-built Structure EX-2013

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I2	005Yr-001Hr	3.95	3.82	0.0004	3.72	1.70	9621
NZA-I2	005Yr-024Hr	3.95	4.28	-0.0012	9.98	9.70	15042
NZA-I2	010Yr-024Hr	3.95	4.41	-0.0013	16.23	15.83	15926
NZA-I2	025Yr-072Hr	3.95	4.49	-0.0012	20.91	20.45	16518
NZA-I2	100Yr-072Hr	3.95	5.21	-0.0010	29.67	29.26	21746

Node: NZA-I3

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.49 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.99	0.0001	4
4.49	0.3300	14375
8.00	1.0900	47480

Comment: As-built Structure EX-2071

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I3	005Yr-001Hr	4.49	4.53	0.0007	4.06	1.16	14717
NZA-I3	005Yr-024Hr	4.49	4.78	-0.0006	6.97	6.77	17109
NZA-I3	010Yr-024Hr	4.49	4.87	-0.0006	11.41	11.05	17944
NZA-I3	025Yr-072Hr	4.49	4.93	-0.0004	14.68	14.21	18492
NZA-I3	100Yr-072Hr	4.49	5.29	-0.0004	22.89	21.52	21890

Node: NZA-I4

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.93	0.0001	4
4.43	0.3000	13068
8.00	1.0800	47045

Comment: As-built Structure EX-2021

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I4	005Yr-001Hr	4.43	4.52	0.0007	4.54	1.29	13960
NZA-I4	005Yr-024Hr	4.43	4.78	-0.0009	5.12	3.50	16436
NZA-I4	010Yr-024Hr	4.43	4.87	-0.0008	6.99	5.61	17282
NZA-I4	025Yr-072Hr	4.43	4.93	-0.0006	8.55	7.28	17838
NZA-I4	100Yr-072Hr	4.43	5.32	-0.0006	16.95	14.92	21504

Node: NZA-I5

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.41 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.91	0.0001	4
4.41	0.3300	14375
8.00	1.3300	57935

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I5	005Yr-001Hr	4.41	4.41	0.0006	5.57	2.49	14336
NZA-I5	005Yr-024Hr	4.41	4.79	-0.0004	6.59	3.73	18959
NZA-I5	010Yr-024Hr	4.41	4.87	-0.0004	8.64	6.26	19998
NZA-I5	025Yr-072Hr	4.41	4.98	-0.0004	10.49	8.47	21246
NZA-I5	100Yr-072Hr	4.41	5.32	-0.0002	14.06	12.68	25408

Node: NZA-I6

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	1.0300	44867
8.00	2.2800	99317

Comment: EX.AS-BUILT STRUCTURE 2025

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I6	005Yr-001Hr	4.24	3.60	0.0002	25.22	25.20	100
NZA-I6	005Yr-024Hr	4.24	4.14	0.0009	32.53	30.25	36092
NZA-I6	010Yr-024Hr	4.24	4.75	-0.0009	44.86	35.07	52256
NZA-I6	025Yr-072Hr	4.24	4.97	0.0010	54.79	36.69	55515
NZA-I6	100Yr-072Hr	4.24	5.32	0.0009	69.83	40.82	60544

Node: NZA-I7

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4700	20473
8.00	1.4300	62291

Comment: EX.AS-BUILT STRUCTURE 36

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I7	005Yr-001Hr	3.56	3.80	0.0002	27.49	19.44	22782
NZA-I7	005Yr-024Hr	3.56	4.50	0.0008	30.93	26.05	29324
NZA-I7	010Yr-024Hr	3.56	4.97	0.0008	41.45	35.02	33768
NZA-I7	025Yr-072Hr	3.56	5.20	-0.0008	52.18	40.53	35917
NZA-I7	100Yr-072Hr	3.56	5.60	0.0008	67.72	47.09	39761

Node: NZA-I8

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.51 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.01	0.0001	4
4.51	0.4200	18295
8.00	1.3600	59242

Comment: EX.AS-BUILT STRUCTURE 42

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I8	005Yr-001Hr	4.51	4.46	0.0005	10.59	5.83	16345
NZA-I8	005Yr-024Hr	4.51	4.75	-0.0005	11.10	8.62	21133
NZA-I8	010Yr-024Hr	4.51	4.97	-0.0006	15.05	13.14	23711
NZA-I8	025Yr-072Hr	4.51	5.21	-0.0006	18.66	16.43	26481
NZA-I8	100Yr-072Hr	4.51	5.62	-0.0004	26.03	20.48	31313

Node: NZA-PS-7

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0020	87
3.50	0.0020	87

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS-7	005Yr-001Hr	8.00	1.70	0.0340	35.95	44.64	100
NZA-PS-7	005Yr-024Hr	8.00	3.10	0.0423	44.88	44.64	100
NZA-PS-7	010Yr-024Hr	8.00	4.34	0.0422	45.13	44.64	100
NZA-PS-7	025Yr-072Hr	8.00	4.59	0.0423	45.15	44.64	100
NZA-PS-7	100Yr-072Hr	8.00	5.07	0.0422	45.24	44.64	100

Node: NZA-PS0

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0050	218

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS0	005Yr-001Hr	8.00	1.70	-0.0138	11.15	14.20	100
NZA-PS0	005Yr-024Hr	8.00	3.55	-0.0142	15.04	14.20	218
NZA-PS0	010Yr-024Hr	8.00	4.16	-0.0142	15.33	14.20	218
NZA-PS0	025Yr-072Hr	8.00	4.30	0.0142	15.46	14.20	218
NZA-PS0	100Yr-072Hr	8.00	4.69	-0.0142	15.57	14.20	218

Node: NZA-PS1

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS1	005Yr-001Hr	8.00	2.00	0.0212	36.18	39.60	100
NZA-PS1	005Yr-024Hr	8.00	2.00	0.0240	38.57	39.60	100
NZA-PS1	010Yr-024Hr	8.00	2.10	0.0250	39.67	39.60	100
NZA-PS1	025Yr-072Hr	8.00	2.23	0.0246	39.70	39.60	100
NZA-PS1	100Yr-072Hr	8.00	2.41	0.0252	39.71	39.60	103

Node: NZA-PS2

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS2	005Yr-001Hr	8.00	2.00	-0.0153	28.25	33.00	121
NZA-PS2	005Yr-024Hr	8.00	2.00	0.0164	29.83	33.00	122
NZA-PS2	010Yr-024Hr	8.00	2.00	0.0196	33.08	33.00	122
NZA-PS2	025Yr-072Hr	8.00	2.17	0.0195	33.09	33.00	154
NZA-PS2	100Yr-072Hr	8.00	2.32	0.0195	33.10	33.00	183

Node: NZA-PS3

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100

Node: NZA-S-106

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
4.49	0.0070	305

Comment: FDOT PUMP STATION

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-106	005Yr-001Hr	8.00	2.00	-0.0114	17.68	42.88	768
NZA-S-106	005Yr-024Hr	8.00	2.00	-0.0120	20.81	42.88	768
NZA-S-106	010Yr-024Hr	8.00	2.00	-0.0119	23.03	43.36	768
NZA-S-106	025Yr-072Hr	8.00	2.00	-0.0120	26.17	45.56	768
NZA-S-106	100Yr-072Hr	8.00	2.00	-0.0120	32.17	50.54	768

Node: NZA-S-77

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-77	005Yr-001Hr	8.00	1.82	0.0000	0.28	0.06	1300
NZA-S-77	005Yr-024Hr	8.00	2.00	0.0000	0.26	0.28	1691
NZA-S-77	010Yr-024Hr	8.00	3.44	0.0002	2.89	1.02	1919
NZA-S-77	025Yr-072Hr	8.00	4.00	0.0003	4.65	1.71	1888
NZA-S-77	100Yr-072Hr	8.00	4.61	0.0004	6.19	3.20	1977

Node: NZA-S-82

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
0.00	0.0070	305

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-82	005Yr-001Hr	8.00	2.00	-0.0030	31.73	43.16	1715
NZA-S-82	005Yr-024Hr	8.00	2.00	0.0030	39.70	43.14	1779

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-82	010Yr-024Hr	8.00	3.44	0.0032	47.78	45.77	1887
NZA-S-82	025Yr-072Hr	8.00	4.00	-0.0030	50.58	47.53	1887
NZA-S-82	100Yr-072Hr	8.00	4.61	-0.0030	53.48	49.07	1893

Node: NZA-S101

Scenario: OPTION 6
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S101	005Yr-001Hr	8.00	2.00	-0.0080	1.59	14.45	181
NZA-S101	005Yr-024Hr	8.00	2.00	-0.0081	3.97	14.74	181
NZA-S101	010Yr-024Hr	8.00	2.00	-0.0081	4.64	14.73	181
NZA-S101	025Yr-072Hr	8.00	2.00	-0.0082	6.01	14.77	181
NZA-S101	100Yr-072Hr	8.00	2.00	-0.0082	9.24	14.76	181

Node: OUTFALL (88th)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.20 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.20
0	0	0	99999.0000	1.20

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (88th)	005Yr-001Hr	8.00	1.20	0.0000	6.67	0.00	0
OUTFALL (88th)	005Yr-024Hr	8.00	1.20	0.0000	14.35	0.00	0
OUTFALL (88th)	010Yr-024Hr	8.00	1.20	0.0000	22.12	0.00	0
OUTFALL (88th)	025Yr-072Hr	8.00	1.20	0.0000	27.53	0.00	0
OUTFALL (88th)	100Yr-072Hr	8.00	1.20	0.0000	32.85	0.00	0

Node: OUTFALL (89th)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (89th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (89th)	010Yr-024Hr	8.00	1.60	0.0000	0.02	0.00	0
OUTFALL	025Yr-072Hr	8.00	1.60	0.0000	2.06	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(89th)							
OUTFALL (89th)	100Yr-072Hr	8.00	1.60	0.0000	8.37	0.00	0

Node: OUTFALL (91st) - A

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - A	005Yr-001Hr	8.00	1.60	0.0000	12.50	0.00	0
OUTFALL (91st) - A	005Yr-024Hr	8.00	1.60	0.0000	15.32	0.00	0
OUTFALL (91st) - A	010Yr-024Hr	8.00	1.60	0.0000	30.76	0.00	0
OUTFALL (91st) - A	025Yr-072Hr	8.00	1.60	0.0000	37.10	0.00	0
OUTFALL (91st) - A	100Yr-072Hr	8.00	1.60	0.0000	48.96	0.00	0

Node: OUTFALL (91st) - B

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - B	005Yr-001Hr	8.00	1.60	0.0000	12.36	0.00	0
OUTFALL (91st) - B	005Yr-024Hr	8.00	1.60	0.0000	14.46	0.00	0
OUTFALL (91st) - B	010Yr-024Hr	8.00	1.60	0.0000	22.28	0.00	0
OUTFALL (91st) - B	025Yr-072Hr	8.00	1.60	0.0000	25.91	0.00	0
OUTFALL (91st) - B	100Yr-072Hr	8.00	1.60	0.0000	37.20	0.00	0

Node: OUTFALL (92nd)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL	005Yr-001Hr	8.00	1.60	0.0000	14.20	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(92nd)							
OUTFALL (92nd)	005Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	010Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	025Yr-072Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	100Yr-072Hr	8.00	1.60	0.0000	16.78	0.00	0

Node: OUTFALL (94th)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.01	0.00	0
OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	1.12	0.00	0
OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	8.64	0.00	0
OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	39.61	0.00	0

Node: OUTFALL (95th)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (95th)	005Yr-001Hr	8.00	1.60	0.0000	6.66	0.00	0
OUTFALL (95th)	005Yr-024Hr	8.00	1.60	0.0000	8.25	0.00	0
OUTFALL (95th)	010Yr-024Hr	8.00	1.60	0.0000	23.80	0.00	0
OUTFALL (95th)	025Yr-072Hr	8.00	1.60	0.0000	35.08	0.00	0
OUTFALL (95th)	100Yr-072Hr	8.00	1.60	0.0000	49.45	0.00	0

Node: OUTFALL (96th)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (96th)	005Yr-001Hr	8.00	1.60	0.0000	11.20	0.00	0
OUTFALL (96th)	005Yr-024Hr	8.00	1.60	0.0000	13.26	0.00	0
OUTFALL (96th)	010Yr-024Hr	8.00	1.60	0.0000	17.53	0.00	0
OUTFALL (96th)	025Yr-072Hr	8.00	1.60	0.0000	20.03	0.00	0
OUTFALL (96th)	100Yr-072Hr	8.00	1.60	0.0000	24.36	0.00	0

Node: OUTFALL (CARLYLE)

Scenario: OPTION 6
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 6]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	25.24	0.00	0
OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	30.31	0.00	0
OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	35.09	0.00	0
OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	36.74	0.00	0
OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	39.11	0.00	0

Drop Structure Link: CS-01		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 6	Invert:	-1.83 ft	Invert:	-1.20 ft
From Node:	NZA-CS-01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	175.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-01 - Pipe	005Yr-001Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-001Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-01 - Pipe	005Yr-024Hr	0.06	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-024Hr	0.06	0.00	0.05	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-01 - Pipe	010Yr-024Hr	1.03	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	010Yr-024Hr	1.03	0.00	0.05	1.15	1.15	1.15
CS-01 - Pipe	025Yr-072Hr	3.07	0.00	0.06	0.00	0.00	0.00
CS-01 - Weir: 1	025Yr-072Hr	3.08	0.00	0.05	1.65	1.65	1.65
CS-01 - Pipe	100Yr-072Hr	6.68	0.00	0.04	0.00	0.00	0.00
CS-01 - Weir: 1	100Yr-072Hr	6.68	0.00	0.04	2.14	2.14	2.14

Drop Structure Link: CS-02		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 6	Invert:	-2.30 ft	Invert:	-1.20 ft
From Node:	NZA-CS-02	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	80.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Pipe	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Pipe	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Pipe	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Pipe	025Yr-072Hr	1.91	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	025Yr-072Hr	1.91	0.00	0.04	1.41	1.41	1.41
CS-02 - Pipe	100Yr-072Hr	4.51	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	100Yr-072Hr	4.51	0.00	0.04	1.88	1.88	1.88

Drop Structure Link: CS-03		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 6	Invert:	-4.50 ft	Invert:	-4.70 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	60.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft

Weir Flow Direction:	Positive		
Damping:	0.0000 ft	Op Table:	
Weir Type:	Sharp Crested Vertical	Ref Node:	
Geometry Type:	Rectangular	**Top Clip**	
Invert:	2.00 ft	Default:	0.00 ft
Control Elevation:	2.00 ft	Op Table:	
Max Depth:	0.75 ft	Ref Node:	
Max Width:	7.00 ft	**Discharge Coefficients**	
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-03 - Pipe	005Yr-001Hr	25.18	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-001Hr	25.18	0.00	0.01	4.80	4.80	4.80
CS-03 - Pipe	005Yr-024Hr	30.25	0.00	0.00	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-024Hr	30.25	0.00	0.01	5.76	5.76	5.76
CS-03 - Pipe	010Yr-024Hr	35.07	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	010Yr-024Hr	35.07	0.00	0.00	6.68	6.68	6.68
CS-03 - Pipe	025Yr-072Hr	36.69	0.00	-0.01	0.00	0.00	0.00
CS-03 - Weir: 1	025Yr-072Hr	36.69	0.00	-0.01	6.99	6.99	6.99
CS-03 - Pipe	100Yr-072Hr	39.06	0.00	0.00	0.00	0.00	0.00
CS-03 - Weir: 1	100Yr-072Hr	39.06	0.00	0.01	7.44	7.44	7.44

Drop Structure Link: CS-04		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 6	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-CS-04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (95th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	

Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	181.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-04 - Pipe	005Yr-001Hr	6.66	0.00	0.01	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-001Hr	6.66	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	005Yr-024Hr	8.25	0.00	-0.01	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-024Hr	8.25	0.00	-0.01	2.00	2.00	2.00
CS-04 - Pipe	010Yr-024Hr	9.15	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	010Yr-024Hr	9.15	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	025Yr-072Hr	9.42	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	025Yr-072Hr	9.42	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	100Yr-072Hr	9.87	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	100Yr-072Hr	9.87	0.00	0.04	2.00	2.00	2.00

Drop Structure Link: CS-05		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 6	Invert:	-2.33 ft	Invert:	1.21 ft
From Node:	NZA-CS-05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS0	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.10 ft	Ref Node:	
Control Elevation:	2.10 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-05 - Pipe	005Yr-001Hr	11.15	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-001Hr	11.15	0.00	0.00	2.12	2.12	2.12
CS-05 - Pipe	005Yr-024Hr	15.04	0.00	-0.02	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-024Hr	15.04	0.00	-0.01	2.87	2.87	2.87

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-05 - Pipe	010Yr-024Hr	15.33	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	010Yr-024Hr	15.33	0.00	-0.02	2.92	2.92	2.92
CS-05 - Pipe	025Yr-072Hr	15.46	0.00	-0.03	0.00	0.00	0.00
CS-05 - Weir: 1	025Yr-072Hr	15.46	0.00	-0.02	2.94	2.94	2.94
CS-05 - Pipe	100Yr-072Hr	15.57	0.00	-0.04	0.00	0.00	0.00
CS-05 - Weir: 1	100Yr-072Hr	15.57	0.00	-0.02	2.97	2.97	2.97

Drop Structure Link: CS-06(R3)		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 6	Invert:	-1.88 ft	Invert:	-2.30 ft
From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	153.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	005Yr-001Hr	12.50	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-001Hr	12.50	0.00	0.00	2.63	2.63	2.63
CS-06(R3) - Pipe	005Yr-024Hr	15.32	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-024Hr	15.32	0.00	0.00	2.92	2.92	2.92
CS-06(R3) - Pipe	010Yr-024Hr	30.76	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	010Yr-024Hr	30.76	0.00	-0.01	5.86	5.86	5.86
CS-06(R3) - Pipe	025Yr-072Hr	37.10	0.00	-0.02	0.00	0.00	0.00
CS-06(R3) - Weir: 1	025Yr-072Hr	37.10	0.00	-0.02	7.07	7.07	7.07
CS-06(R3) - Pipe	100Yr-072Hr	39.02	0.00	-0.02	0.00	0.00	0.00
CS-06(R3) - Weir: 1	100Yr-072Hr	39.02	0.00	-0.02	7.43	7.43	7.43

Drop Structure Link: CS-07		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 6	Invert:	-2.19 ft	Invert:	-2.90 ft
From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	213.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-07 - Pipe	005Yr-001Hr	12.36	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-001Hr	12.36	0.00	0.00	2.61	2.61	2.61
CS-07 - Pipe	005Yr-024Hr	14.46	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-024Hr	14.46	0.00	0.00	2.75	2.75	2.75
CS-07 - Pipe	010Yr-024Hr	22.28	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	010Yr-024Hr	22.28	0.00	0.00	4.24	4.24	4.24
CS-07 - Pipe	025Yr-072Hr	25.91	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	025Yr-072Hr	25.91	0.00	-0.01	4.94	4.94	4.94
CS-07 - Pipe	100Yr-072Hr	27.25	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	100Yr-072Hr	27.25	0.00	-0.01	5.19	5.19	5.19

Drop Structure Link: CS-08		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 6	Invert:	-1.58 ft	Invert:	-1.58 ft
From Node:	NZA-I1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (88th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0000 ft
Length:	15.00 ft
FHWA Code:	0
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	2.00 ft
Control Elevation:	2.00 ft
Max Depth:	0.75 ft
Max Width:	7.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-08 - Pipe	005Yr-001Hr	6.67	0.00	-0.01	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-001Hr	6.68	0.00	-0.02	2.14	2.14	2.14
CS-08 - Pipe	005Yr-024Hr	14.35	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-024Hr	14.36	0.00	-0.02	2.76	2.76	2.76
CS-08 - Pipe	010Yr-024Hr	22.12	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	010Yr-024Hr	22.12	0.00	-0.02	4.21	4.21	4.21
CS-08 - Pipe	025Yr-072Hr	27.53	0.00	-0.07	0.00	0.00	0.00
CS-08 - Weir:	025Yr-072Hr	27.53	0.00	-0.08	5.24	5.24	5.24

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
CS-08 - Pipe	100Yr-072Hr	30.72	0.00	-0.15	0.00	0.00	0.00
CS-08 - Weir: 1	100Yr-072Hr	30.72	0.00	-0.17	5.85	5.85	5.85

Rating Curve Link: D-00

Scenario: OPTION 6
From Node: NZA-PS0
To Node: OUTFALL (92nd)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0004	1.70		1.60	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D-00	005Yr-001Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	005Yr-024Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	010Yr-024Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	025Yr-072Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	100Yr-072Hr	14.20	0.00	13.98	0.00	0.00	0.00

Rating Curve Link: DW 1-3

Scenario: OPTION 6
From Node: NZA-PS1
To Node: AQUIFER (94th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0001	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 1-3	005Yr-001Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	005Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	010Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	025Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	100Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00

Rating Curve Link: DW 4-6

Scenario: OPTION 6
From Node: NZA-PS2
To Node: AQUIFER (89th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0002	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 4-6	005Yr-001Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	005Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	010Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	025Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	100Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00

Rating Curve Link: DW 7-9

Scenario: OPTION 6
From Node: NZA-PS3
To Node: AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0003	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 7-9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: DW-10-13

Scenario: OPTION 6
From Node: NZA-PS-7
To Node: AQUIFER 91ST
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-PROPOSED-TEST	1.70		1.60	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW-10-13	005Yr-001Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-10-13	005Yr-024Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-10-13	010Yr-024Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-10-13	025Yr-072Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-10-13	100Yr-072Hr	44.64	0.00	44.64	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S102-S105

Scenario: OPTION 6
From Node: NZA-S-82
To Node: FDOT AQUIFER (94TH)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-102, S-103, S-104, S-105

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S102-S105	005Yr-001Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	025Yr-072Hr	42.88	0.00	42.88	0.00	0.00	0.00
FDOT DW-S102-S105	100Yr-072Hr	42.88	0.00	-42.88	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S96-S99

Scenario: OPTION 6
From Node: NZA-S-106
To Node: FDOT AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-96, S-97, S-98, S-99

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S96-S99	005Yr-001Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	100Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00

Drop Structure Link: L-0298DS | Upstream Pipe | Downstream Pipe

Scenario:	OPTION 6	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-E9	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-CS-10	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	Discharge Coefficients	
Max Depth:	4.08 ft	Weir Default:	3.200
Max Width:	3.08 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment: MODIFY TYPE D STRUCTURE

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L-0298DS - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
L-0298DS - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
L-0298DS - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
L-0298DS -	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Weir: 1							
L-0298DS - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
L-0298DS - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
L-0298DS - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
L-0298DS - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
L-0298DS - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
L-0298DS - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-A1-A2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.61 ft	Invert:	-1.81 ft
From Node:	NZA-A2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-A2	005Yr-001Hr	4.81	-0.07	-0.10	3.92	3.92	3.92
P-A1-A2	005Yr-024Hr	6.21	-0.07	0.09	5.06	5.06	5.06
P-A1-A2	010Yr-024Hr	6.19	-0.07	0.09	5.04	5.04	5.04
P-A1-A2	025Yr-072Hr	6.18	-0.07	0.09	5.04	5.04	5.04
P-A1-A2	100Yr-072Hr	6.17	-0.07	0.09	5.03	5.03	5.03

Pipe Link: P-A1-B1		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-4.90 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	490.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-B1	005Yr-001Hr	4.23	0.00	0.16	2.40	2.40	2.40
P-A1-B1	005Yr-024Hr	6.83	0.00	0.16	3.87	3.87	3.87
P-A1-B1	010Yr-024Hr	7.05	0.00	0.16	3.99	3.99	3.99
P-A1-B1	025Yr-072Hr	7.08	-1.32	0.16	4.01	4.01	4.01
P-A1-B1	100Yr-072Hr	6.77	-1.70	0.16	3.83	3.83	3.83

Pipe Link: P-A1-CS-04		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.81 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-CS-04	005Yr-001Hr	6.66	-0.47	-0.05	3.77	3.77	3.77
P-A1-CS-04	005Yr-024Hr	8.25	-0.69	-0.08	4.67	4.67	4.67
P-A1-CS-04	010Yr-024Hr	9.15	-0.69	-0.08	5.18	5.18	5.18
P-A1-CS-04	025Yr-072Hr	9.42	-0.71	-0.08	5.33	5.33	5.33
P-A1-CS-04	100Yr-072Hr	9.87	-0.70	-0.08	5.59	5.59	5.59

Pipe Link: P-A2-A3		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.54 ft	Invert:	-1.61 ft
From Node:	NZA-A3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A2-A3	005Yr-001Hr	2.75	-0.17	-0.09	2.24	2.24	2.24
P-A2-A3	005Yr-024Hr	4.25	-0.17	-0.09	3.46	3.46	3.46
P-A2-A3	010Yr-024Hr	4.23	-0.17	-0.09	3.45	3.45	3.45
P-A2-A3	025Yr-072Hr	4.12	-0.17	-0.09	3.36	3.36	3.36
P-A2-A3	100Yr-072Hr	4.00	-0.17	-0.09	3.26	3.26	3.26

Pipe Link: P-A3-A4		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.08 ft	Invert:	-1.54 ft
From Node:	NZA-A4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A3-A4	005Yr-001Hr	1.05	-0.98	0.06	0.86	0.86	0.86
P-A3-A4	005Yr-024Hr	2.97	-0.77	0.06	2.42	2.42	2.42
P-A3-A4	010Yr-024Hr	2.87	-0.83	0.06	2.34	2.34	2.34
P-A3-A4	025Yr-072Hr	2.71	-0.76	0.06	2.21	2.21	2.21
P-A3-A4	100Yr-072Hr	2.50	-0.36	0.06	2.04	2.04	2.04

Pipe Link: P-A4-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-0.82 ft	Invert:	-1.08 ft
From Node:	FDOT-1B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	229.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A4-FDOT1B	005Yr-001Hr	0.87	-0.70	0.02	1.59	1.59	1.59
P-A4-FDOT1B	005Yr-024Hr	0.81	-1.32	0.02	-2.43	-2.43	-2.43
P-A4-FDOT1B	010Yr-024Hr	0.78	-1.35	0.02	-2.48	-2.48	-2.48
P-A4-FDOT1B	025Yr-072Hr	0.67	-1.40	0.02	-2.56	-2.56	-2.56
P-A4-FDOT1B	100Yr-072Hr	0.67	-1.43	0.02	-2.62	-2.62	-2.62

Pipe Link: P-AA1-AA2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	117.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA1-AA2	005Yr-001Hr	9.04	0.00	0.00	2.41	2.58	2.50
P-AA1-AA2	005Yr-024Hr	10.67	0.00	0.00	2.58	2.75	2.66
P-AA1-AA2	010Yr-024Hr	14.03	0.00	0.01	2.89	3.07	2.98
P-AA1-AA2	025Yr-072Hr	16.02	0.00	0.01	3.06	3.26	3.16
P-AA1-AA2	100Yr-072Hr	19.43	0.00	0.01	3.34	3.54	3.44

Pipe Link: P-AA2-AA3		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	133.29 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA2-AA3	005Yr-001Hr	7.02	0.00	0.00	1.81	2.64	1.97
P-AA2-AA3	005Yr-024Hr	8.23	0.00	0.01	1.92	2.64	1.97
P-AA2-AA3	010Yr-024Hr	10.81	0.00	0.01	2.17	2.64	2.20
P-AA2-AA3	025Yr-072Hr	12.41	0.00	0.02	2.32	2.64	2.36
P-AA2-AA3	100Yr-072Hr	15.10	0.00	0.02	2.55	2.64	2.59

Pipe Link: P-AA3-AA4		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	0.00 ft	Invert:	0.00 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.03 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA3-AA4	005Yr-001Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	005Yr-024Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	010Yr-024Hr	7.79	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	025Yr-072Hr	8.91	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	100Yr-072Hr	10.94	0.00	1.64	1.55	1.55	1.55

Pipe Link: P-AA4-AA5		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	126.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA4-AA5	005Yr-001Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	005Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	010Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	025Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	100Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88

Pipe Link: P-AA5-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-1B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	626.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA5-FDOT1 B	005Yr-001Hr	0.87	-1.32	0.00	-2.42	3.23	-2.42
P-AA5-FDOT1 B	005Yr-024Hr	0.87	-1.33	0.00	-2.44	3.23	-2.46
P-AA5-FDOT1 B	010Yr-024Hr	0.87	-1.32	0.00	-2.42	3.23	-2.43
P-AA5-FDOT1 B	025Yr-072Hr	0.87	-1.42	0.00	-2.60	3.23	-2.60
P-AA5-FDOT1 B	100Yr-072Hr	0.87	-1.48	0.00	-2.71	3.23	-2.71

Pipe Link: P-AA7-A4		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA7-A4	005Yr-001Hr	0.00	-3.19	-0.01	-2.60	-2.60	-2.60
P-AA7-A4	005Yr-024Hr	2.68	-2.11	-0.01	2.18	2.18	2.18
P-AA7-A4	010Yr-024Hr	2.38	-1.87	-0.01	1.94	1.94	1.94
P-AA7-A4	025Yr-072Hr	2.15	-1.12	-0.01	1.76	1.76	1.76
P-AA7-A4	100Yr-072Hr	1.59	-1.18	0.02	1.30	1.30	1.30

Pipe Link: P-B1-B2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-4.86 ft	Invert:	-4.90 ft
From Node:	NZA-B2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-B2	005Yr-001Hr	15.25	-3.45	1.72	3.11	3.11	3.11
P-B1-B2	005Yr-024Hr	20.09	-4.29	2.19	4.09	4.09	4.09
P-B1-B2	010Yr-024Hr	23.81	-4.21	2.06	4.85	4.85	4.85
P-B1-B2	025Yr-072Hr	23.40	-4.37	2.20	4.77	4.77	4.77
P-B1-B2	100Yr-072Hr	23.39	-4.27	2.21	4.77	4.77	4.77

Pipe Link: P-B1-CS-01		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.75 ft	Invert:	-2.83 ft
From Node:	NZA-B1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-CS-01	005Yr-001Hr	32.82	-0.59	2.11	6.69	6.69	6.69
P-B1-CS-01	005Yr-024Hr	37.54	-0.86	2.47	7.65	7.65	7.65
P-B1-CS-01	010Yr-024Hr	40.63	-0.59	2.48	8.28	8.28	8.28
P-B1-CS-01	025Yr-072Hr	42.67	-0.88	2.65	8.69	8.69	8.69
P-B1-CS-01	100Yr-072Hr	46.28	-0.88	2.51	9.43	9.43	9.43

Pipe Link: P-B2-B3		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-4.54 ft	Invert:	-4.86 ft
From Node:	NZA-B3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B2-B3	005Yr-001Hr	6.01	-4.27	0.68	1.91	1.91	1.91
P-B2-B3	005Yr-024Hr	9.09	-4.59	0.96	2.89	2.89	2.89
P-B2-B3	010Yr-024Hr	13.33	-4.60	0.95	4.24	4.24	4.24
P-B2-B3	025Yr-072Hr	13.97	-4.61	1.01	4.45	4.45	4.45
P-B2-B3	100Yr-072Hr	9.57	-4.70	1.01	3.05	3.05	3.05

Pipe Link: P-B3-B4		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-3.77 ft	Invert:	-4.54 ft
From Node:	NZA-B4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B3-B4	005Yr-001Hr	2.70	-4.73	-0.73	-1.51	-1.51	-1.51
P-B3-B4	005Yr-024Hr	3.48	-5.02	-0.73	-1.60	-1.60	-1.60
P-B3-B4	010Yr-024Hr	7.51	-5.03	-0.73	2.39	2.39	2.39
P-B3-B4	025Yr-072Hr	11.23	-5.04	-0.73	3.58	3.58	3.58
P-B3-B4	100Yr-072Hr	11.74	-9.07	-0.73	3.74	3.74	3.74

Pipe Link: P-B4-C2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	0.58 ft	Invert:	-0.46 ft
From Node:	NZA-C2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	628.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B4-C2	005Yr-001Hr	1.75	-0.01	0.05	3.21	3.21	3.21
P-B4-C2	005Yr-024Hr	1.86	-0.01	0.05	3.40	3.40	3.40
P-B4-C2	010Yr-024Hr	1.85	-0.01	0.05	3.40	3.40	3.40
P-B4-C2	025Yr-072Hr	1.85	-0.01	0.05	3.39	3.39	3.39
P-B4-C2	100Yr-072Hr	1.85	-0.01	0.05	3.40	3.40	3.40

Pipe Link: P-C1-B1		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.88 ft	Invert:	-2.60 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	674.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-B1	005Yr-001Hr	5.19	-0.13	-0.12	2.94	2.94	2.94
P-C1-B1	005Yr-024Hr	6.59	-0.57	0.40	3.73	3.73	3.73
P-C1-B1	010Yr-024Hr	7.23	-0.54	0.37	4.09	4.09	4.09
P-C1-B1	025Yr-072Hr	7.67	-0.67	0.44	4.34	4.34	4.34
P-C1-B1	100Yr-072Hr	8.01	-0.64	0.41	4.53	4.53	4.53

Pipe Link: P-C1-D2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.60 ft	Invert:	-2.05 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	715.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-D2	005Yr-001Hr	1.82	-1.76	-0.09	1.03	1.03	1.03
P-C1-D2	005Yr-024Hr	2.50	-3.90	-0.10	-2.21	-2.21	-2.21
P-C1-D2	010Yr-024Hr	2.73	-4.34	-0.10	-2.45	-2.45	-2.45
P-C1-D2	025Yr-072Hr	2.83	-4.51	-0.11	-2.55	-2.55	-2.55
P-C1-D2	100Yr-072Hr	2.30	-4.65	-0.10	-2.63	-2.63	-2.63

Pipe Link: P-CS-10-E1		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-CS-10	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1613.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-10-E1	005Yr-001Hr	0.02	-0.20	0.00	-0.07	-0.07	-0.07
P-CS-10-E1	005Yr-024Hr	0.22	-0.10	0.02	0.07	0.07	0.07
P-CS-10-E1	010Yr-024Hr	0.22	-0.10	0.02	0.07	0.07	0.07
P-CS-10-E1	025Yr-072Hr	0.76	-0.14	0.04	0.24	0.24	0.24
P-CS-10-E1	100Yr-072Hr	0.76	-0.17	0.03	0.24	0.24	0.24

Pipe Link: P-CS-10-PS-7		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-CS-10	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-PS-7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-10-PS-7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-CS-TOWN-AA1		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-TOWN	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-TOWN-AA1	005Yr-001Hr	11.20	0.00	0.00	3.20	3.67	3.44
P-CS-TOWN-AA1	005Yr-024Hr	13.26	0.00	0.00	3.42	3.91	3.66
P-CS-TOWN-AA1	010Yr-024Hr	17.53	0.00	0.00	3.83	4.34	4.08
P-CS-TOWN-AA1	025Yr-072Hr	20.03	0.00	0.00	4.05	4.57	4.31
P-CS-TOWN-AA1	100Yr-072Hr	24.36	0.00	-0.01	4.40	4.95	4.68

Pipe Link: P-CS3-S3	Upstream	Downstream

Scenario:	OPTION 6	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS3-S3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-D1-CS-05		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.50 ft	Invert:	-2.70 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-05	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-CS-05	005Yr-001Hr	11.15	-0.04	0.04	3.55	3.55	3.55
P-D1-CS-05	005Yr-024Hr	15.07	-0.21	0.33	4.80	4.80	4.80
P-D1-CS-05	010Yr-024Hr	15.39	-0.22	-0.32	4.90	4.90	4.90
P-D1-CS-05	025Yr-072Hr	15.54	-0.23	0.36	4.95	4.95	4.95
P-D1-CS-05	100Yr-072Hr	15.66	-0.23	-0.34	4.99	4.99	4.99

Pipe Link: P-D1-D2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.05 ft	Invert:	-2.35 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-D2	005Yr-001Hr	9.90	-0.11	-0.06	4.11	4.11	4.11
P-D1-D2	005Yr-024Hr	12.20	-0.53	0.06	5.07	5.07	5.07
P-D1-D2	010Yr-024Hr	11.89	-0.54	-0.06	4.94	4.94	4.94
P-D1-D2	025Yr-072Hr	11.86	-0.56	0.08	4.93	4.93	4.93
P-D1-D2	100Yr-072Hr	11.85	-0.56	0.08	4.92	4.92	4.92

Pipe Link: P-D1-E1		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.35 ft	Invert:	-2.90 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	694.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-E1	005Yr-001Hr	2.48	-0.07	0.01	1.40	1.40	1.40
P-D1-E1	005Yr-024Hr	4.78	-0.33	0.03	2.70	2.70	2.70
P-D1-E1	010Yr-024Hr	5.29	-0.30	0.04	3.00	3.00	3.00
P-D1-E1	025Yr-072Hr	5.30	-0.33	0.04	3.00	3.00	3.00
P-D1-E1	100Yr-072Hr	5.32	-0.33	0.04	3.01	3.01	3.01

Pipe Link: P-D2-D3		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.70 ft	Invert:	-2.05 ft
From Node:	NZA-D3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-D3	005Yr-001Hr	4.46	-0.03	0.03	2.52	2.52	2.52
P-D2-D3	005Yr-024Hr	8.96	-0.23	-0.04	5.07	5.07	5.07
P-D2-D3	010Yr-024Hr	8.96	-0.22	-0.05	5.07	5.07	5.07
P-D2-D3	025Yr-072Hr	9.13	-0.30	0.06	5.17	5.17	5.17
P-D2-D3	100Yr-072Hr	9.05	-0.27	0.07	5.12	5.12	5.12

Pipe Link: P-D2-E3		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.70 ft	Invert:	-2.10 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.83 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-E3	005Yr-001Hr	0.33	-4.54	0.17	-1.89	-1.89	-1.89
P-D2-E3	005Yr-024Hr	3.82	-5.02	0.16	-2.09	-2.09	-2.09
P-D2-E3	010Yr-024Hr	4.64	-5.80	0.16	-2.41	-2.41	-2.41
P-D2-E3	025Yr-072Hr	4.79	-6.08	0.16	-2.53	-2.53	-2.53
P-D2-E3	100Yr-072Hr	4.99	-5.03	0.16	-2.09	-2.09	-2.09

Pipe Link: P-D3-D4		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.33 ft	Invert:	-2.70 ft
From Node:	NZA-D4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D3-D4	005Yr-001Hr	2.34	-0.01	0.00	2.98	2.98	2.98
P-D3-D4	005Yr-024Hr	3.24	-0.31	0.02	4.13	4.13	4.13
P-D3-D4	010Yr-024Hr	3.24	-0.30	0.01	4.12	4.12	4.12
P-D3-D4	025Yr-072Hr	3.21	-0.35	-0.02	4.09	4.09	4.09
P-D3-D4	100Yr-072Hr	3.20	-0.34	0.02	4.07	4.07	4.07

Pipe Link: P-D4-D5		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.43 ft	Invert:	-2.33 ft
From Node:	NZA-D5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D4-D5	005Yr-001Hr	1.37	-0.01	0.00	1.74	1.74	1.74
P-D4-D5	005Yr-024Hr	1.34	-1.14	0.05	1.70	1.70	1.70
P-D4-D5	010Yr-024Hr	1.31	-0.88	0.06	1.66	1.66	1.66
P-D4-D5	025Yr-072Hr	1.24	-0.69	0.07	1.58	1.58	1.58
P-D4-D5	100Yr-072Hr	1.25	-0.46	0.02	1.59	1.59	1.59

Pipe Link: P-D5-D6		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.42 ft	Invert:	-2.43 ft
From Node:	NZA-D6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	301.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D5-D6	005Yr-001Hr	0.02	-0.95	-0.01	-1.21	-1.21	-1.21
P-D5-D6	005Yr-024Hr	0.02	-2.09	-0.02	-2.66	-2.66	-2.66
P-D5-D6	010Yr-024Hr	0.63	-2.01	-0.02	-2.56	-2.56	-2.56
P-D5-D6	025Yr-072Hr	0.57	-1.92	-0.02	-2.44	-2.44	-2.44
P-D5-D6	100Yr-072Hr	0.47	-1.75	-0.02	-2.23	-2.23	-2.23

Pipe Link: P-D6-D7		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.42 ft	Invert:	-2.42 ft
From Node:	NZA-D7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D6-D7	005Yr-001Hr	0.01	-3.22	0.02	-4.10	-4.10	-4.10
P-D6-D7	005Yr-024Hr	0.01	-3.54	-0.05	-4.51	-4.51	-4.51
P-D6-D7	010Yr-024Hr	0.01	-3.56	-0.06	-4.53	-4.53	-4.53
P-D6-D7	025Yr-072Hr	0.02	-3.56	-0.05	-4.53	-4.53	-4.53
P-D6-D7	100Yr-072Hr	0.02	-3.53	-0.08	-4.49	-4.49	-4.49

Pipe Link: P-D7-D8		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-D7	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-E8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	663.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D7-D8	005Yr-001Hr	13.29	-0.01	0.41	4.23	4.23	4.23
P-D7-D8	005Yr-024Hr	17.04	-0.06	0.50	5.42	5.42	5.42
P-D7-D8	010Yr-024Hr	17.93	-0.01	0.50	5.71	5.71	5.71
P-D7-D8	025Yr-072Hr	18.19	-0.01	0.51	5.79	5.79	5.79
P-D7-D8	100Yr-072Hr	18.53	-0.01	0.52	5.90	5.90	5.90

Pipe Link: P-DS1-OUTFALL (94TH)		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.20 ft	Invert:	-3.12 ft
From Node:	NZA-DS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS1-OUTFALL (94TH)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	005Yr-024Hr	0.01	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	010Yr-024Hr	1.12	0.00	0.15	0.23	0.23	0.23
P-DS1-OUTFALL (94TH)	025Yr-072Hr	3.23	0.00	0.42	0.66	0.66	0.66
P-DS1-OUTFALL (94TH)	100Yr-072Hr	6.79	0.00	0.36	1.38	1.38	1.38

Pipe Link: P-DS2-OUTFALL	Upstream	Downstream

Scenario:	OPTION 6	Invert:	-1.20 ft	Invert:	-2.47 ft
From Node:	NZA-DS2	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (89th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	010Yr-024Hr	0.02	0.00	0.01	0.01	0.01	0.01
P-DS2-OUTFALL	025Yr-072Hr	2.06	0.00	0.33	0.66	0.66	0.66
P-DS2-OUTFALL	100Yr-072Hr	4.62	0.00	-0.34	1.47	1.47	1.47

Pipe Link: P-DS3-OUTFALL(CARLYLE)		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-4.70 ft	Invert:	-4.00 ft
From Node:	NZA-DS3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	11.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	

Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS3-OUTFALL(CARLYLE)	005Yr-001Hr	25.24	0.00	9.52	3.57	3.57	3.57
P-DS3-OUTFALL(CARLYLE)	005Yr-024Hr	30.31	0.00	10.56	4.29	4.29	4.29
P-DS3-OUTFALL(CARLYLE)	010Yr-024Hr	35.09	0.00	10.52	4.96	4.96	4.96
P-DS3-OUTFALL(CARLYLE)	025Yr-072Hr	36.74	0.00	10.56	5.20	5.20	5.20
P-DS3-OUTFALL(CARLYLE)	100Yr-072Hr	39.11	0.00	10.50	5.53	5.53	5.53

Pipe Link: P-E1-E2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.57 ft	Invert:	-2.18 ft
From Node:	NZA-E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	230.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	005Yr-001Hr	15.24	-0.02	0.00	4.85	4.85	4.85
P-E1-E2	005Yr-024Hr	19.12	-0.55	0.11	6.09	6.09	6.09
P-E1-E2	010Yr-024Hr	19.36	-0.49	-0.08	6.16	6.16	6.16

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	025Yr-072Hr	19.32	-0.59	-0.10	6.15	6.15	6.15
P-E1-E2	100Yr-072Hr	19.31	-0.58	-0.10	6.15	6.15	6.15

Pipe Link: P-E1-F1		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.90 ft	Invert:	-2.71 ft
From Node:	NZA-F1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	692.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-F1	005Yr-001Hr	2.43	-1.07	0.01	1.37	1.37	1.37
P-E1-F1	005Yr-024Hr	3.53	-1.23	-0.05	2.00	2.00	2.00
P-E1-F1	010Yr-024Hr	4.15	-1.19	-0.05	2.35	2.35	2.35
P-E1-F1	025Yr-072Hr	4.37	-1.17	-0.05	2.47	2.47	2.47
P-E1-F1	100Yr-072Hr	4.21	-1.07	-0.05	2.39	2.39	2.39

Pipe Link: P-E2-E3		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-0.45 ft	Invert:	-1.57 ft
From Node:	NZA-E3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E2-E3	005Yr-001Hr	8.74	-0.04	0.02	2.78	2.78	2.78
P-E2-E3	005Yr-024Hr	12.65	-0.67	-0.09	4.03	4.03	4.03
P-E2-E3	010Yr-024Hr	12.93	-0.58	-0.10	4.12	4.12	4.12
P-E2-E3	025Yr-072Hr	12.99	-0.71	-0.10	4.13	4.13	4.13
P-E2-E3	100Yr-072Hr	13.10	-0.69	-0.11	4.17	4.17	4.17

Pipe Link: P-E3-E4		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.57 ft	Invert:	-0.45 ft
From Node:	NZA-E4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	283.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	005Yr-001Hr	6.91	-0.33	0.07	2.20	3.91	3.05
P-E3-E4	005Yr-024Hr	8.75	-0.85	0.12	2.78	4.95	3.87
P-E3-E4	010Yr-024Hr	8.42	-0.86	0.12	2.68	4.77	3.72

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	025Yr-072Hr	8.38	-0.88	0.12	2.67	4.74	3.70
P-E3-E4	100Yr-072Hr	8.22	-0.87	0.12	2.62	4.65	3.63

Pipe Link: P-E4-E5		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.57 ft	Invert:	-1.57 ft
From Node:	NZA-E5	Manning's N:	0.0012	Manning's N:	0.0012
To Node:	NZA-E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	277.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E4-E5	005Yr-001Hr	7.83	-0.56	-7.26	2.49	2.49	2.49
P-E4-E5	005Yr-024Hr	10.93	-1.27	-8.76	3.48	3.48	3.48
P-E4-E5	010Yr-024Hr	11.10	-1.28	-8.87	3.53	3.53	3.53
P-E4-E5	025Yr-072Hr	13.73	-1.50	9.07	4.37	4.37	4.37
P-E4-E5	100Yr-072Hr	11.63	-1.39	-8.87	3.70	3.70	3.70

Pipe Link: P-E5-E6		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.79 ft	Invert:	-1.57 ft
From Node:	NZA-E6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.25 ft	Max Depth:	2.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E5-E6	005Yr-001Hr	1.78	-4.10	0.69	-1.03	-1.03	-1.03
P-E5-E6	005Yr-024Hr	6.63	-4.59	0.80	1.67	1.67	1.67
P-E5-E6	010Yr-024Hr	6.26	-5.30	0.72	1.57	1.57	1.57
P-E5-E6	025Yr-072Hr	6.61	-5.63	0.69	1.66	1.66	1.66
P-E5-E6	100Yr-072Hr	6.18	-4.52	0.77	1.55	1.55	1.55

Pipe Link: P-E6-E7		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.89 ft	Invert:	-1.79 ft
From Node:	NZA-E7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	005Yr-001Hr	0.04	-2.79	0.07	-1.58	-1.58	-1.58
P-E6-E7	005Yr-024Hr	3.95	-2.68	-0.14	2.23	2.23	2.23
P-E6-E7	010Yr-024Hr	3.76	-2.65	-0.13	2.13	2.13	2.13

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	025Yr-072Hr	4.19	-2.59	-0.13	2.37	2.37	2.37
P-E6-E7	100Yr-072Hr	3.86	-1.98	-0.12	2.19	2.19	2.19

Pipe Link: P-E7-E8		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-0.69 ft	Invert:	-1.89 ft
From Node:	NZA-E8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E7-E8	005Yr-001Hr	0.03	-3.57	-0.09	-4.55	-4.55	-4.55
P-E7-E8	005Yr-024Hr	0.03	-3.67	-0.11	-4.67	-4.67	-4.67
P-E7-E8	010Yr-024Hr	0.03	-3.66	-0.11	-4.67	-4.67	-4.67
P-E7-E8	025Yr-072Hr	0.03	-3.68	-0.11	-4.68	-4.68	-4.68
P-E7-E8	100Yr-072Hr	0.03	-3.69	-0.11	-4.69	-4.69	-4.69

Pipe Link: P-E9-E8		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-E9	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-E8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-E8	005Yr-001Hr	0.02	-25.20	6.21	-8.02	-8.02	-8.02
P-E9-E8	005Yr-024Hr	0.44	-39.01	6.71	-12.42	-12.42	-12.42
P-E9-E8	010Yr-024Hr	0.39	-39.14	6.74	-12.46	-12.46	-12.46
P-E9-E8	025Yr-072Hr	0.07	-38.96	6.75	-12.40	-12.40	-12.40
P-E9-E8	100Yr-072Hr	0.28	-38.40	6.74	-12.22	-12.22	-12.22

Pipe Link: P-E9-F9		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-E9	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-F9	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	500.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-F9	005Yr-001Hr	0.47	-7.86	-1.26	-2.50	-2.50	-2.50
P-E9-F9	005Yr-024Hr	0.20	-8.95	-0.78	-2.85	-2.85	-2.85
P-E9-F9	010Yr-024Hr	0.21	-15.63	-0.74	-4.97	-4.97	-4.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-F9	025Yr-072Hr	0.22	-15.94	-0.81	-5.07	-5.07	-5.07
P-E9-F9	100Yr-072Hr	0.20	-15.26	-0.82	-4.86	-4.86	-4.86

Pipe Link: P-E9-PS-7		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-E9	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-PS-7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-PS-7	005Yr-001Hr	35.95	-0.25	9.85	11.44	11.44	11.44
P-E9-PS-7	005Yr-024Hr	44.88	-0.15	10.11	14.29	14.29	14.29
P-E9-PS-7	010Yr-024Hr	45.13	-0.05	10.11	14.36	14.36	14.36
P-E9-PS-7	025Yr-072Hr	45.15	-0.06	10.26	14.37	14.37	14.37
P-E9-PS-7	100Yr-072Hr	45.24	-0.09	11.67	14.40	14.40	14.40

Pipe Link: P-F1-F2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.66 ft	Invert:	-1.36 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-F2	005Yr-001Hr	2.46	-0.02	0.01	3.13	3.13	3.13
P-F1-F2	005Yr-024Hr	2.61	-0.12	0.02	3.32	3.32	3.32
P-F1-F2	010Yr-024Hr	2.44	-0.10	-0.02	3.10	3.10	3.10
P-F1-F2	025Yr-072Hr	2.44	-0.19	-0.02	3.11	3.11	3.11
P-F1-F2	100Yr-072Hr	2.41	-0.44	0.02	3.07	3.07	3.07

Pipe Link: P-F1-G1		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.71 ft	Invert:	-2.80 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	119.25 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	005Yr-001Hr	1.18	-2.05	-0.05	-1.16	-1.16	-1.16
P-F1-G1	005Yr-024Hr	1.71	-3.51	-0.13	-1.99	-1.99	-1.99
P-F1-G1	010Yr-024Hr	3.12	-4.43	-0.10	-2.51	-2.51	-2.51

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	025Yr-072Hr	3.80	-4.65	-0.12	-2.63	-2.63	-2.63
P-F1-G1	100Yr-072Hr	4.29	-4.80	-0.11	-2.72	-2.72	-2.72

Pipe Link: P-F2-F3		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	0.36 ft	Invert:	-1.66 ft
From Node:	NZA-F3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-F3	005Yr-001Hr	1.80	0.00	0.00	2.29	2.29	2.29
P-F2-F3	005Yr-024Hr	2.65	0.00	0.03	3.37	3.37	3.37
P-F2-F3	010Yr-024Hr	2.60	0.00	0.03	3.32	3.32	3.32
P-F2-F3	025Yr-072Hr	2.63	-0.01	0.03	3.35	3.35	3.35
P-F2-F3	100Yr-072Hr	2.54	0.00	0.03	3.24	3.24	3.24

Pipe Link: P-F2-G2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.65 ft	Invert:	-1.65 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	495.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-G2	005Yr-001Hr	1.83	0.00	0.01	2.32	2.32	2.32
P-F2-G2	005Yr-024Hr	2.24	-0.09	0.11	2.85	2.85	2.85
P-F2-G2	010Yr-024Hr	2.18	-0.03	0.10	2.78	2.78	2.78
P-F2-G2	025Yr-072Hr	2.17	-0.06	0.09	2.76	2.76	2.76
P-F2-G2	100Yr-072Hr	2.17	-0.06	0.11	2.77	2.77	2.77

Pipe Link: P-F4-F5		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	0.51 ft	Invert:	1.47 ft
From Node:	NZA-F5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	005Yr-001Hr	0.57	0.00	0.00	1.05	1.05	1.05
P-F4-F5	005Yr-024Hr	0.58	-0.08	0.01	1.07	1.07	1.07
P-F4-F5	010Yr-024Hr	0.60	-0.08	0.01	1.10	1.10	1.10

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	025Yr-072Hr	0.59	-0.08	0.01	1.08	1.08	1.08
P-F4-F5	100Yr-072Hr	0.59	-0.08	0.00	1.08	1.08	1.08

Pipe Link: P-F4-G4		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	1.47 ft	Invert:	1.47 ft
From Node:	NZA-F4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	510.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-G4	005Yr-001Hr	1.02	-0.47	0.00	1.87	1.94	1.90
P-F4-G4	005Yr-024Hr	1.69	-0.45	0.00	3.09	3.24	3.14
P-F4-G4	010Yr-024Hr	1.69	-0.49	0.00	3.09	3.20	3.13
P-F4-G4	025Yr-072Hr	1.68	-0.19	0.00	3.08	3.15	3.10
P-F4-G4	100Yr-072Hr	1.66	-0.03	0.00	3.04	3.11	3.07

Pipe Link: P-F5-F6		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-F6	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-F5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F5-F6	005Yr-001Hr	0.56	-1.61	-0.02	-0.91	-0.91	-0.91
P-F5-F6	005Yr-024Hr	0.94	-1.56	-0.02	-0.88	-0.88	-0.88
P-F5-F6	010Yr-024Hr	1.65	-1.51	0.02	0.93	0.93	0.93
P-F5-F6	025Yr-072Hr	0.70	-1.49	-0.04	-0.84	-0.84	-0.84
P-F5-F6	100Yr-072Hr	1.64	-1.48	-0.03	0.93	0.93	0.93

Pipe Link: P-F6-F7		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	0.25 ft	Invert:	-2.00 ft
From Node:	NZA-F7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	271.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	005Yr-001Hr	1.38	-0.98	0.00	1.76	1.76	1.76
P-F6-F7	005Yr-024Hr	1.12	-2.17	0.01	-2.76	-2.76	-2.76
P-F6-F7	010Yr-024Hr	0.90	-2.11	-0.01	-2.69	-2.69	-2.69

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	025Yr-072Hr	0.48	-2.06	0.01	-2.62	-2.62	-2.62
P-F6-F7	100Yr-072Hr	0.23	-1.75	0.01	-2.23	-2.23	-2.23

Pipe Link: P-F7-F8		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.17 ft	Invert:	0.25 ft
From Node:	NZA-F8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	303.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F7-F8	005Yr-001Hr	0.00	-1.85	0.00	-2.36	-2.36	-2.36
P-F7-F8	005Yr-024Hr	0.00	-3.09	-0.01	-3.93	-3.93	-3.93
P-F7-F8	010Yr-024Hr	0.06	-3.09	-0.01	-3.93	-3.93	-3.93
P-F7-F8	025Yr-072Hr	0.00	-3.07	0.01	-3.91	-3.91	-3.91
P-F7-F8	100Yr-072Hr	0.00	-3.01	-0.01	-3.83	-3.83	-3.83

Pipe Link: P-F8-F9		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.83 ft	Invert:	-2.17 ft
From Node:	NZA-F9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	321.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-F9	005Yr-001Hr	0.34	-2.91	-0.08	-3.71	-3.71	-3.71
P-F8-F9	005Yr-024Hr	0.11	-3.50	-0.07	-4.45	-4.45	-4.45
P-F8-F9	010Yr-024Hr	0.11	-3.60	-0.07	-4.58	-4.58	-4.58
P-F8-F9	025Yr-072Hr	0.09	-3.59	-0.07	-4.58	-4.58	-4.58
P-F8-F9	100Yr-072Hr	0.09	-3.55	-0.07	-4.52	-4.52	-4.52

Pipe Link: P-F8-G8		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	0.88 ft	Invert:	0.61 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	525.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	005Yr-001Hr	0.21	-1.80	0.00	-0.26	-0.26	-0.26
P-F8-G8	005Yr-024Hr	0.15	-2.97	-0.02	-0.42	-0.42	-0.42
P-F8-G8	010Yr-024Hr	0.34	-4.74	-0.01	-0.67	-0.67	-0.67

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	025Yr-072Hr	0.16	-5.20	0.02	-0.74	-0.74	-0.74
P-F8-G8	100Yr-072Hr	0.16	-5.14	-0.01	-0.73	-0.73	-0.73

Pipe Link: P-FDOT-1A-2A		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-4.86 ft	Invert:	-3.43 ft
From Node:	FDOT-1A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-2A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.42 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-1A-2A	005Yr-001Hr	3.37	-2.85	-0.76	1.07	1.07	1.07
P-FDOT-1A-2A	005Yr-024Hr	2.95	-4.14	-0.76	-1.32	-1.32	-1.32
P-FDOT-1A-2A	010Yr-024Hr	2.79	-5.90	-0.76	-1.88	-1.88	-1.88
P-FDOT-1A-2A	025Yr-072Hr	2.34	-6.58	-0.76	-2.09	-2.09	-2.09
P-FDOT-1A-2A	100Yr-072Hr	1.95	-7.24	-0.76	-2.31	-2.31	-2.31

Pipe Link: P-FDOT-2A-3A		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-3.43 ft	Invert:	-2.16 ft
From Node:	FDOT-2A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3A	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	235.86 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2A-3A	005Yr-001Hr	3.73	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	005Yr-024Hr	5.00	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	010Yr-024Hr	4.72	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	025Yr-072Hr	5.23	-9.60	-4.15	-1.36	-1.36	-1.36
P-FDOT-2A-3A	100Yr-072Hr	11.47	-9.60	-4.15	1.62	1.62	1.62

Pipe Link: P-FDOT-2B-3B		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.97 ft	Invert:	-4.38 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	657.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-3 B	005Yr-001Hr	9.82	-7.26	3.06	1.02	1.02	1.02
P-FDOT-2B-3 B	005Yr-024Hr	9.82	-8.53	3.06	1.02	1.02	1.02
P-FDOT-2B-3 B	010Yr-024Hr	9.82	-11.79	3.06	-1.23	-1.23	-1.23
P-FDOT-2B-3 B	025Yr-072Hr	9.82	-14.25	3.06	-1.48	-1.48	-1.48
P-FDOT-2B-3 B	100Yr-072Hr	9.82	-16.13	3.06	-1.68	-1.68	-1.68

Pipe Link: P-FDOT-2B-B4		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.97 ft	Invert:	-3.77 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.04 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-B 4	005Yr-001Hr	1.87	-17.85	0.65	-5.68	-5.68	-5.68
P-FDOT-2B-B 4	005Yr-024Hr	2.73	-23.03	0.65	-7.33	-7.33	-7.33
P-FDOT-2B-B 4	010Yr-024Hr	2.78	-28.42	0.65	-9.05	-9.05	-9.05
P-FDOT-2B-B 4	025Yr-072Hr	2.82	-30.52	0.65	-9.72	-9.72	-9.72
P-FDOT-2B-B	100Yr-072Hr	2.80	-31.37	0.65	-9.99	-9.99	-9.99

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
4							

Pipe Link: P-FDOT-3A-4A		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.16 ft	Invert:	-7.00 ft
From Node:	FDOT-3A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-4A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	264.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3A-4A	005Yr-001Hr	7.01	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	005Yr-024Hr	7.33	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	010Yr-024Hr	9.75	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	025Yr-072Hr	11.37	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	100Yr-072Hr	18.40	-28.26	4.31	-2.94	-2.94	-2.94

Pipe Link: P-FDOT-3B-4B		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-4.38 ft	Invert:	-5.00 ft
From Node:	FDOT-5B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.53 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3B-4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-FDOT-4B-5B		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-5.00 ft	Invert:	-4.16 ft
From Node:	FDOT-4B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.31 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-4B-5 B	005Yr-001Hr	0.31	-3.31	-0.08	-0.67	-0.67	-0.67
P-FDOT-4B-5 B	005Yr-024Hr	4.28	-2.97	0.06	0.87	0.87	0.87
P-FDOT-4B-5 B	010Yr-024Hr	7.44	-1.17	0.06	1.52	1.52	1.52
P-FDOT-4B-5 B	025Yr-072Hr	8.56	-0.14	-0.04	1.74	1.74	1.74
P-FDOT-4B-5 B	100Yr-072Hr	9.30	-0.18	-0.05	1.89	1.89	1.89

Pipe Link: P-FDOT-S106-S101		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-6.18 ft	Invert:	-9.20 ft
From Node:	NZA-S-106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-S106 -S101	005Yr-001Hr	1.59	-14.45	-7.14	-2.04	-2.04	-2.04
P-FDOT-S106 -S101	005Yr-024Hr	3.97	-14.74	-7.15	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	010Yr-024Hr	4.64	-14.73	-7.13	-2.08	-2.08	-2.08
P-FDOT-S106 -S101	025Yr-072Hr	6.01	-14.77	-7.11	-2.09	-2.09	-2.09
P-FDOT-S106	100Yr-072Hr	9.24	-14.76	-7.15	-2.09	-2.09	-2.09

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
-S101							

Pipe Link: P-FDOT2B - S-82		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-3.45 ft	Invert:	0.00 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	378.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT2B - S-82	005Yr-001Hr	31.73	-29.10	2.24	-6.21	6.35	4.43
P-FDOT2B - S-82	005Yr-024Hr	39.67	-29.10	2.24	-6.21	6.83	4.99
P-FDOT2B - S-82	010Yr-024Hr	47.78	-29.10	2.24	-6.21	7.05	5.28
P-FDOT2B - S-82	025Yr-072Hr	50.58	-29.10	2.24	-6.21	7.20	5.45
P-FDOT2B - S-82	100Yr-072Hr	53.48	-29.10	2.24	-6.21	7.19	5.43

Pipe Link: P-FDOT4A-S106		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	3.81 ft	Invert:	-6.18 ft
From Node:	FDOT-4A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	823.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT4A-S106	005Yr-001Hr	4.33	0.00	0.00	3.83	0.61	2.22
P-FDOT4A-S106	005Yr-024Hr	8.96	0.00	0.00	4.69	1.27	2.98
P-FDOT4A-S106	010Yr-024Hr	12.36	0.00	0.00	5.16	1.75	3.45
P-FDOT4A-S106	025Yr-072Hr	17.18	0.00	0.00	5.70	2.43	4.07
P-FDOT4A-S106	100Yr-072Hr	26.41	0.00	0.00	6.58	3.74	5.16

Pipe Link: P-G1-G2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.80 ft	Invert:	-3.19 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G1-G2	005Yr-001Hr	3.05	-0.03	0.05	1.73	1.73	1.73
P-G1-G2	005Yr-024Hr	4.43	-0.42	0.32	2.50	2.50	2.50
P-G1-G2	010Yr-024Hr	5.91	-0.25	0.22	3.34	3.34	3.34
P-G1-G2	025Yr-072Hr	6.56	-0.99	0.41	3.71	3.71	3.71
P-G1-G2	100Yr-072Hr	6.68	-2.40	0.36	3.78	3.78	3.78

Pipe Link: P-G2-CS-02		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.22 ft	Invert:	-2.30 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-CS-02	005Yr-001Hr	23.58	-0.01	1.64	7.51	7.51	7.51
P-G2-CS-02	005Yr-024Hr	26.69	-0.05	1.95	8.50	8.50	8.50
P-G2-CS-02	010Yr-024Hr	33.00	-0.01	1.88	10.50	10.50	10.50
P-G2-CS-02	025Yr-072Hr	34.91	-0.07	2.60	11.11	11.11	11.11
P-G2-CS-02	100Yr-072Hr	37.51	-0.07	1.93	11.94	11.94	11.94

Pipe Link: P-G2-G3		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-3.38 ft	Invert:	-2.22 ft
From Node:	NZA-G3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-G3	005Yr-001Hr	14.47	-0.67	0.54	4.61	4.61	4.61
P-G2-G3	005Yr-024Hr	15.33	-0.19	0.61	4.88	4.88	4.88
P-G2-G3	010Yr-024Hr	15.19	-0.19	0.47	4.83	4.83	4.83
P-G2-G3	025Yr-072Hr	15.84	-0.21	0.50	5.04	5.04	5.04
P-G2-G3	100Yr-072Hr	15.81	-0.19	0.52	5.03	5.03	5.03

Pipe Link: P-G2-I1		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-3.19 ft	Invert:	-2.93 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	563.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-I1	005Yr-001Hr	2.76	-1.60	-0.20	1.56	1.56	1.56
P-G2-I1	005Yr-024Hr	3.18	-1.60	-0.39	1.80	1.80	1.80
P-G2-I1	010Yr-024Hr	4.76	-1.61	-0.38	2.69	2.69	2.69
P-G2-I1	025Yr-072Hr	6.08	-1.61	-0.38	3.44	3.44	3.44
P-G2-I1	100Yr-072Hr	6.09	-1.61	-0.38	3.44	3.44	3.44

Pipe Link: P-G3-G4		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	1.48 ft	Invert:	-3.38 ft
From Node:	NZA-G4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	270.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G3-G4	005Yr-001Hr	8.53	-0.87	0.14	3.12	2.72	2.72
P-G3-G4	005Yr-024Hr	10.00	-0.25	0.08	3.52	3.18	3.18
P-G3-G4	010Yr-024Hr	11.03	-0.25	0.10	3.52	3.51	3.51
P-G3-G4	025Yr-072Hr	10.21	-0.22	0.08	3.52	3.25	3.25
P-G3-G4	100Yr-072Hr	10.24	-0.23	0.09	3.52	3.26	3.26

Pipe Link: P-G4-G5		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	0.28 ft	Invert:	1.48 ft
From Node:	NZA-G5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G4-G5	005Yr-001Hr	4.42	-0.31	0.01	2.50	2.50	2.50
P-G4-G5	005Yr-024Hr	7.20	-0.25	0.01	4.08	4.08	4.08
P-G4-G5	010Yr-024Hr	7.76	-0.26	0.02	4.39	4.39	4.39
P-G4-G5	025Yr-072Hr	7.76	-0.24	0.02	4.39	4.39	4.39
P-G4-G5	100Yr-072Hr	7.75	-0.24	0.02	4.38	4.38	4.38

Pipe Link: P-G5-G6		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	0.19 ft	Invert:	0.28 ft
From Node:	NZA-G6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G5-G6	005Yr-001Hr	0.76	-0.48	0.00	0.97	0.97	0.97
P-G5-G6	005Yr-024Hr	2.74	-0.31	0.01	3.49	3.49	3.49
P-G5-G6	010Yr-024Hr	2.79	-0.32	0.01	3.55	3.55	3.55
P-G5-G6	025Yr-072Hr	2.80	-0.29	0.01	3.57	3.57	3.57
P-G5-G6	100Yr-072Hr	2.80	-0.29	0.01	3.56	3.56	3.56

Pipe Link: P-G6-G8		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-0.37 ft	Invert:	0.19 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	550.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-G8	005Yr-001Hr	0.00	-2.96	0.00	-1.67	-1.67	-1.67
P-G6-G8	005Yr-024Hr	1.54	-2.69	0.03	-1.52	-1.52	-1.52
P-G6-G8	010Yr-024Hr	1.53	-2.38	0.03	-1.35	-1.35	-1.35
P-G6-G8	025Yr-072Hr	1.64	-2.26	0.03	-1.28	-1.28	-1.28
P-G6-G8	100Yr-072Hr	1.56	-1.59	0.03	-0.90	-0.90	-0.90

Pipe Link: P-G6-I7		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.97 ft	Invert:	-3.42 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-I7	005Yr-001Hr	19.44	-0.51	0.00	2.75	2.75	2.75
P-G6-I7	005Yr-024Hr	26.05	-0.37	0.37	3.68	3.68	3.68
P-G6-I7	010Yr-024Hr	29.13	-0.39	-0.28	4.12	4.12	4.12
P-G6-I7	025Yr-072Hr	30.72	-0.33	0.54	4.35	4.35	4.35
P-G6-I7	100Yr-072Hr	32.30	-0.37	0.47	4.57	4.57	4.57

Pipe Link: P-G8-G9		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	0.81 ft	Invert:	-0.37 ft
From Node:	NZA-G9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-G9	005Yr-001Hr	7.00	-0.01	0.00	2.91	2.91	2.91
P-G8-G9	005Yr-024Hr	7.00	0.00	0.03	2.91	2.91	2.91
P-G8-G9	010Yr-024Hr	6.93	0.00	0.04	2.88	2.88	2.88
P-G8-G9	025Yr-072Hr	7.05	0.00	-0.03	2.93	2.93	2.93
P-G8-G9	100Yr-072Hr	7.10	0.00	-0.04	2.95	2.95	2.95

Pipe Link: P-G8-I7		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.30 ft	Invert:	-1.83 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	570.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-I7	005Yr-001Hr	1.43	-14.98	0.01	-2.12	-2.12	-2.12
P-G8-I7	005Yr-024Hr	0.64	-16.34	-0.13	-2.31	-2.31	-2.31
P-G8-I7	010Yr-024Hr	0.68	-16.67	-0.12	-2.36	-2.36	-2.36
P-G8-I7	025Yr-072Hr	0.93	-16.92	-0.14	-2.39	-2.39	-2.39
P-G8-I7	100Yr-072Hr	0.93	-17.48	-0.15	-2.47	-2.47	-2.47

Pipe Link: P-I1-I2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.17 ft	Invert:	-2.32 ft
From Node:	NZA-I2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I1-I2	005Yr-001Hr	1.70	0.00	0.01	3.12	3.12	3.12
P-I1-I2	005Yr-024Hr	1.98	-0.17	0.03	3.64	3.64	3.64
P-I1-I2	010Yr-024Hr	1.97	-0.14	0.03	3.61	3.61	3.61
P-I1-I2	025Yr-072Hr	1.96	-0.15	0.03	3.60	3.60	3.60
P-I1-I2	100Yr-072Hr	1.95	-0.15	0.03	3.57	3.57	3.57

Pipe Link: P-I3-I4		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-1.54 ft	Invert:	1.02 ft
From Node:	NZA-I4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I3-I4	005Yr-001Hr	0.00	-1.16	-0.01	-0.66	-0.66	-0.66
P-I3-I4	005Yr-024Hr	0.36	-1.02	-0.02	-0.58	-0.58	-0.58
P-I3-I4	010Yr-024Hr	0.41	-1.02	-0.02	-0.58	-0.58	-0.58
P-I3-I4	025Yr-072Hr	0.55	-1.00	-0.03	-0.57	-0.57	-0.57
P-I3-I4	100Yr-072Hr	1.54	-0.94	-0.02	0.87	0.87	0.87

Pipe Link: P-I4-I5		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-0.68 ft	Invert:	-1.54 ft
From Node:	NZA-I5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I4-I5	005Yr-001Hr	0.00	-1.29	0.00	-1.64	-1.64	-1.64
P-I4-I5	005Yr-024Hr	0.23	-2.04	0.01	-2.60	-2.60	-2.60
P-I4-I5	010Yr-024Hr	0.49	-2.04	-0.01	-2.59	-2.59	-2.59
P-I4-I5	025Yr-072Hr	0.83	-1.99	0.01	-2.54	-2.54	-2.54
P-I4-I5	100Yr-072Hr	0.78	-1.90	0.01	-2.42	-2.42	-2.42

Pipe Link: P-I5-I6		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.97 ft	Invert:	-0.74 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I5-I6	005Yr-001Hr	0.00	-2.49	0.00	-3.17	-3.17	-3.17
P-I5-I6	005Yr-024Hr	0.00	-2.86	0.01	-3.64	-3.64	-3.64
P-I5-I6	010Yr-024Hr	0.00	-2.86	-0.01	-3.65	-3.65	-3.65
P-I5-I6	025Yr-072Hr	0.00	-2.87	0.01	-3.66	-3.66	-3.66
P-I5-I6	100Yr-072Hr	0.08	-2.83	-0.01	-3.60	-3.60	-3.60

Pipe Link: P-I6-CS-03		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-3.46 ft	Invert:	-4.50 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I6-CS-03	005Yr-001Hr	25.20	0.00	0.00	3.56	3.56	3.56
P-I6-CS-03	005Yr-024Hr	30.25	-0.01	-0.46	4.28	4.28	4.28
P-I6-CS-03	010Yr-024Hr	35.07	-0.01	-0.38	4.96	4.96	4.96
P-I6-CS-03	025Yr-072Hr	36.69	-0.01	-0.67	5.19	5.19	5.19
P-I6-CS-03	100Yr-072Hr	39.06	-0.01	-0.58	5.53	5.53	5.53

Pipe Link: P-I7-I8		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.67 ft	Invert:	-2.97 ft
From Node:	NZA-I8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I7-I8	005Yr-001Hr	5.83	0.00	0.00	3.30	3.30	3.30
P-I7-I8	005Yr-024Hr	7.48	0.00	0.02	4.23	4.23	4.23
P-I7-I8	010Yr-024Hr	7.48	0.00	0.02	4.23	4.23	4.23
P-I7-I8	025Yr-072Hr	7.56	0.00	-0.03	4.28	4.28	4.28
P-I7-I8	100Yr-072Hr	7.45	0.00	-0.03	4.22	4.22	4.22

Pipe Link: P-OUTFALL(96th)-CS-TOWN		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-CS-TOWN	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (96th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-OUTFALL(96th)-CS-TOWN	005Yr-001Hr	11.20	0.00	0.00	3.67	5.01	4.34
P-OUTFALL(96th)-CS-TOWN	005Yr-024Hr	13.26	0.00	0.00	3.91	5.27	4.59
P-OUTFALL(96th)-CS-TOWN	010Yr-024Hr	17.53	0.00	0.00	4.34	5.74	5.04
P-OUTFALL(96th)-CS-TOWN	025Yr-072Hr	20.03	0.00	0.00	4.57	5.99	5.28
P-OUTFALL(96th)-CS-TOWN	100Yr-072Hr	24.36	0.00	-0.01	4.95	6.40	5.67

Pipe Link: P-PS1-CS1		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.78 ft	Invert:	-2.75 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

	Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-CS1	005Yr-001Hr	0.30	-36.18	-22.26	-5.12	-5.12	-5.12
P-PS1-CS1	005Yr-024Hr	0.43	-38.57	-25.58	-5.46	-5.46	-5.46
P-PS1-CS1	010Yr-024Hr	0.30	-39.67	-25.13	-5.61	-5.61	-5.61
P-PS1-CS1	025Yr-072Hr	0.44	-39.70	-27.09	-5.62	-5.62	-5.62
P-PS1-CS1	100Yr-072Hr	0.44	-39.71	-29.85	-5.62	-5.62	-5.62

Pipe Link: P-PS1-DS1		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-DS1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS2-CS-02		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	-2.50 ft	Invert:	-2.30 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-CS-02	005Yr-001Hr	0.01	-28.25	22.39	-4.00	-4.00	-4.00
P-PS2-CS-02	005Yr-024Hr	0.04	-29.83	22.60	-4.22	-4.22	-4.22
P-PS2-CS-02	010Yr-024Hr	0.09	-33.08	-23.79	-4.68	-4.68	-4.68
P-PS2-CS-02	025Yr-072Hr	0.08	-33.09	22.96	-4.68	-4.68	-4.68
P-PS2-CS-02	100Yr-072Hr	0.08	-33.10	-23.23	-4.68	-4.68	-4.68

Pipe Link: P-PS2-DS2		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-DS2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS3-DS3		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS3-DS3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-S-82 - S-77		Upstream		Downstream	
Scenario:	OPTION 6	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-S-82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-77	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	888.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-S-82 - S-77	005Yr-001Hr	0.28	-0.06	0.01	0.51	1.89	1.20
P-S-82 - S-77	005Yr-024Hr	0.26	-0.28	-0.03	-0.50	-1.87	-1.19
P-S-82 - S-77	010Yr-024Hr	2.89	-1.02	-0.03	1.17	-2.39	-1.56
P-S-82 - S-77	025Yr-072Hr	4.65	-1.71	-0.03	1.46	2.98	2.10
P-S-82 - S-77	100Yr-072Hr	6.19	-3.20	-0.03	1.62	3.12	2.24

Drop Structure Link: S-101		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 6	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft

Weir Flow Direction:	Both		
Damping:	0.0000 ft	Op Table:	
Weir Type:	Sharp Crested Vertical	Ref Node:	
Geometry Type:	Rectangular	Top Clip	
Invert:	8.00 ft	Default:	0.00 ft
Control Elevation:	8.00 ft	Op Table:	
Max Depth:	1.50 ft	Ref Node:	
Max Width:	6.00 ft	Discharge Coefficients	
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-101 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Drop Structure Link: S-77		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 6	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S-77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	

Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component

Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Paved Road Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	8.00 ft	Op Table:	
Control Elevation:	8.00 ft	Ref Node:	
Max Depth:	1.50 ft	Discharge Coefficients	
Max Width:	6.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-77 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-A1-A2

Scenario:	OPTION 6
From Node:	NZA-A1
To Node:	NZA-A2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.61 ft
Control Elevation:	4.61 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-A2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-A2	005Yr-024Hr	0.00	-8.12	0.00	0.00	0.00	0.00
W-A1-A2	010Yr-024Hr	0.00	-17.41	0.00	0.00	0.00	0.00
W-A1-A2	025Yr-072Hr	0.00	-25.21	0.00	0.00	0.00	0.00
W-A1-A2	100Yr-072Hr	0.00	-39.80	-0.01	0.00	0.00	0.00

Weir Link: W-A1-B1

Scenario:	OPTION 6
From Node:	NZA-A1
To Node:	NZA-B1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.38 ft
Control Elevation:	4.38 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	100Yr-072Hr	4.88	0.00	0.00	1.20	1.20	1.20

Weir Link: W-A1-OUTFALL

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	OUTFALL (95th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.81 ft	Discharge Coefficients	
Control Elevation:	3.81 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	010Yr-024Hr	14.65	0.00	0.00	1.73	1.73	1.73
W-A1-OUTFALL	025Yr-072Hr	25.66	0.00	0.00	2.33	2.33	2.33
W-A1-OUTFALL	100Yr-072Hr	39.58	0.00	0.01	3.60	3.60	3.60

Weir Link: W-A2-A3

Scenario:	OPTION 6
From Node:	NZA-A2
To Node:	NZA-A3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.72 ft
Control Elevation:	4.72 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A2-A3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A2-A3	005Yr-024Hr	0.00	-6.80	0.00	-1.34	-1.34	-1.34
W-A2-A3	010Yr-024Hr	0.00	-12.10	0.00	-1.60	-1.60	-1.60
W-A2-A3	025Yr-072Hr	0.00	-16.70	0.00	-1.72	-1.72	-1.72
W-A2-A3	100Yr-072Hr	0.00	-29.78	-0.21	-2.71	-2.71	-2.71

Weir Link: W-A3-A4

Scenario:	OPTION 6
From Node:	NZA-A4
To Node:	NZA-A3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.41 ft
Control Elevation:	5.41 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A3-A4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	025Yr-072Hr	1.06	0.00	0.00	0.72	0.72	0.72
W-A3-A4	100Yr-072Hr	16.76	0.00	0.00	1.81	1.81	1.81

Weir Link: W-A4-B4

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-A4	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.02 ft	Discharge Coefficients	
Control Elevation:	5.02 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	005Yr-024Hr	1.07	0.00	0.00	0.73	0.73	0.73
W-A4-B4	010Yr-024Hr	5.49	0.00	0.00	1.25	1.25	1.25
W-A4-B4	025Yr-072Hr	13.64	0.00	0.00	1.63	1.63	1.63
W-A4-B4	100Yr-072Hr	15.46	-1.88	-2.00	1.67	1.67	1.67

Weir Link: W-A4-FDOT1B

Scenario:	OPTION 6	Bottom Clip	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.22 ft	Ref Node:	
Control Elevation:	4.22 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-FDOT1 B	005Yr-001Hr	4.37	0.00	0.01	1.16	1.16	1.16
W-A4-FDOT1 B	005Yr-024Hr	3.63	0.00	0.01	1.08	1.08	1.08
W-A4-FDOT1 B	010Yr-024Hr	1.54	0.00	0.00	0.80	0.80	0.80
W-A4-FDOT1 B	025Yr-072Hr	5.62	0.00	0.01	0.51	0.51	0.51
W-A4-FDOT1 B	100Yr-072Hr	9.01	0.00	0.03	0.82	0.82	0.82

Weir Link: W-AA1-AA2

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-AA1	Default:	0.00 ft
To Node:	NZA-AA2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-AA2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA1-OUTFALL(96th)

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-AA1	Default:	0.00 ft
To Node:	OUTFALL (96th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-OUTFALL(96th)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA2-AA3

Scenario:	OPTION 6
From Node:	NZA-AA3
To Node:	NZA-AA2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA2-AA3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA3-AA4

Scenario:	OPTION 6
From Node:	NZA-AA4
To Node:	NZA-AA3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA3-AA4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	100Yr-072Hr	0.02	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA4-AA5

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-AA5	Default:	0.00 ft
To Node:	NZA-AA4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA4-AA5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	100Yr-072Hr	0.10	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA7-A4

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-AA7	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.00 ft	Ref Node:	
Control Elevation:	4.00 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-001Hr	0.00	-12.81	0.01	-1.65	-1.65	-1.65
W-AA7-A4	005Yr-024Hr	2.66	-9.55	-4.10	-1.45	-1.45	-1.45
W-AA7-A4	010Yr-024Hr	2.43	-8.03	-4.09	-0.95	-0.95	-0.95
W-AA7-A4	025Yr-072Hr	2.71	-8.72	-1.73	0.83	0.83	0.83
W-AA7-A4	100Yr-072Hr	3.73	-12.03	-1.11	-1.09	-1.09	-1.09

Weir Link: W-B1-B2

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	NZA-B2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.50 ft	Discharge Coefficients	
Control Elevation:	4.50 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	010Yr-024Hr	0.00	-0.69	0.00	0.00	0.00	0.00
W-B1-B2	025Yr-072Hr	0.00	-8.32	0.00	0.00	0.00	0.00
W-B1-B2	100Yr-072Hr	0.00	-24.94	0.00	-2.49	-2.49	-2.49

Weir Link: W-B1-OUTFALL

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	OUTFALL (94th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.90 ft	**Discharge Coefficients**	
Control Elevation:	3.90 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	025Yr-072Hr	5.41	0.00	0.00	1.29	1.29	1.29
W-B1-OUTFALL	100Yr-072Hr	32.83	0.00	0.00	3.28	3.28	3.28

Weir Link: W-B2-B3

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-B2	Default:	0.00 ft

To Node:	NZA-B3		
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.54 ft	Ref Node:	
Control Elevation:	4.54 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	20.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B2-B3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	010Yr-024Hr	0.00	-6.20	0.00	0.00	0.00	0.00
W-B2-B3	025Yr-072Hr	0.00	-12.17	0.00	-1.68	-1.68	-1.68
W-B2-B3	100Yr-072Hr	0.00	-21.35	0.00	-2.14	-2.14	-2.14

Weir Link: W-B3-B4

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-B3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.52 ft	Discharge Coefficients	
Control Elevation:	5.52 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B3-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	100Yr-072Hr	9.13	0.00	0.00	1.53	1.53	1.53

Weir Link: W-B4-C2

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.69 ft	Discharge Coefficients	
Control Elevation:	5.69 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-C2	005Yr-001Hr	0.00	-4.35	0.00	0.00	0.00	0.00
W-B4-C2	005Yr-024Hr	0.00	-8.67	0.00	0.00	0.00	0.00
W-B4-C2	010Yr-024Hr	0.00	-13.39	0.00	0.00	0.00	0.00
W-B4-C2	025Yr-072Hr	0.00	-16.86	0.00	0.00	0.00	0.00
W-B4-C2	100Yr-072Hr	0.00	-24.00	0.00	-2.00	-2.00	-2.00

Weir Link: W-B4-FDOT2B

Scenario:	OPTION 6	Bottom Clip	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.21 ft
Control Elevation:	4.21 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2 B	005Yr-001Hr	8.89	0.00	0.01	1.52	1.52	1.52
W-B4-FDOT2 B	005Yr-024Hr	11.72	0.00	0.00	1.66	1.66	1.66
W-B4-FDOT2 B	010Yr-024Hr	16.32	0.00	-1.84	1.83	1.83	1.83
W-B4-FDOT2 B	025Yr-072Hr	17.73	0.00	-2.52	1.87	1.87	1.87
W-B4-FDOT2 B	100Yr-072Hr	18.86	0.00	-1.79	1.91	1.91	1.91

Weir Link: W-C1-B1

Scenario:	OPTION 6
From Node:	NZA-B1
To Node:	NZA-C1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.86 ft
Control Elevation:	4.86 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	025Yr-072Hr	0.00	-3.07	0.00	0.00	0.00	0.00
W-C1-B1	100Yr-072Hr	0.00	-19.59	0.00	0.00	0.00	0.00

Weir Link: W-C1-D2

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-C1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.80 ft	Discharge Coefficients	
Control Elevation:	4.80 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	025Yr-072Hr	2.47	-0.02	0.00	0.81	0.81	0.81
W-C1-D2	100Yr-072Hr	16.32	0.00	1.36	1.48	1.48	1.48

Weir Link: W-C2-FDOT3B

Scenario:	OPTION 6	Bottom Clip	
From Node:	FDOT-3B	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	3.95 ft
Control Elevation:	3.95 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C2-FDOT3B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-D1-D2

Scenario:	OPTION 6
From Node:	NZA-D2
To Node:	NZA-D1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.10 ft
Control Elevation:	4.10 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-D2	005Yr-024Hr	11.85	0.00	0.00	1.62	1.62	1.62
W-D1-D2	010Yr-024Hr	26.89	0.00	0.00	2.44	2.44	2.44
W-D1-D2	025Yr-072Hr	32.54	0.00	0.01	2.96	2.96	2.96
W-D1-D2	100Yr-072Hr	35.11	0.00	0.01	3.19	3.19	3.19

Weir Link: W-D1-E1

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	NZA-E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.24 ft	Discharge Coefficients	
Control Elevation:	4.24 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-E1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	010Yr-024Hr	13.03	0.00	0.00	1.67	1.67	1.67
W-D1-E1	025Yr-072Hr	21.04	0.00	0.00	1.96	1.96	1.96
W-D1-E1	100Yr-072Hr	24.26	0.00	-0.11	2.21	2.21	2.21

Weir Link: W-D1-OUTFALL

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	OUTFALL (92nd)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	5.00 ft
Control Elevation:	5.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	100Yr-072Hr	2.58	0.00	0.00	0.97	0.97	0.97

Weir Link: W-D2-D3

Scenario:	OPTION 6
From Node:	NZA-D2
To Node:	NZA-D3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.18 ft
Control Elevation:	4.18 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-D3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-D3	005Yr-024Hr	0.00	-17.90	0.00	-1.85	-1.85	-1.85
W-D2-D3	010Yr-024Hr	0.00	-27.92	0.00	-2.54	-2.54	-2.54
W-D2-D3	025Yr-072Hr	0.00	-30.28	-0.01	-2.75	-2.75	-2.75
W-D2-D3	100Yr-072Hr	0.00	-36.31	-0.01	-3.30	-3.30	-3.30

Weir Link: W-D2-E3

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	Discharge Coefficients	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-E3	005Yr-024Hr	3.05	-3.19	0.00	-1.04	-1.04	-1.04
W-D2-E3	010Yr-024Hr	10.83	-7.26	-2.08	-1.36	-1.36	-1.36
W-D2-E3	025Yr-072Hr	13.98	-7.78	-3.03	-1.39	-1.39	-1.39
W-D2-E3	100Yr-072Hr	16.01	-6.86	-1.84	1.46	1.46	1.46

Weir Link: W-D3-D4

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-D4	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.54 ft
Control Elevation:	4.54 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D3-D4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D3-D4	005Yr-024Hr	15.38	0.00	0.00	1.76	1.76	1.76
W-D3-D4	010Yr-024Hr	25.57	0.00	0.00	2.32	2.32	2.32
W-D3-D4	025Yr-072Hr	27.82	0.00	0.00	2.53	2.53	2.53
W-D3-D4	100Yr-072Hr	33.25	0.00	0.00	3.02	3.02	3.02

Weir Link: W-D4-D5

Scenario:	OPTION 6
From Node:	NZA-D5
To Node:	NZA-D4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.56 ft
Control Elevation:	4.56 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	005Yr-001Hr	0.43	0.00	0.00	0.00	0.00	0.00
W-D4-D5	005Yr-024Hr	11.32	0.00	0.00	1.59	1.59	1.59

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	010Yr-024Hr	17.57	0.00	1.60	1.79	1.79	1.79
W-D4-D5	025Yr-072Hr	19.06	0.00	2.08	1.76	1.76	1.76
W-D4-D5	100Yr-072Hr	22.59	0.00	2.09	2.05	2.05	2.05

Weir Link: W-D5-D6

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-D6	Default:	0.00 ft
To Node:	NZA-D5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.94 ft	**Discharge Coefficients**	
Control Elevation:	4.94 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D5-D6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D5-D6	005Yr-024Hr	0.00	-0.02	0.00	0.00	0.00	0.00
W-D5-D6	010Yr-024Hr	8.09	-4.21	0.02	1.29	1.29	1.29
W-D5-D6	025Yr-072Hr	13.36	-8.02	-2.07	-1.41	-1.41	-1.41
W-D5-D6	100Yr-072Hr	14.78	-13.75	-2.04	-1.68	-1.68	-1.68

Weir Link: W-D6-D7

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-D7	Default:	0.00 ft
To Node:	NZA-D6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.40 ft
Control Elevation:	4.40 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	005Yr-001Hr	0.00	-3.44	0.00	0.00	0.00	0.00
W-D6-D7	005Yr-024Hr	0.00	-13.24	0.00	-1.68	-1.68	-1.68
W-D6-D7	010Yr-024Hr	0.00	-20.08	4.02	-1.93	-1.93	-1.93
W-D6-D7	025Yr-072Hr	0.58	-22.28	3.05	-2.03	-2.03	-2.03
W-D6-D7	100Yr-072Hr	0.50	-23.99	2.02	-2.18	-2.18	-2.18

Weir Link: W-D7-FDOT4B

Scenario:	OPTION 6
From Node:	FDOT-4B
To Node:	NZA-D7
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	005Yr-024Hr	4.68	0.00	-0.04	1.19	1.19	1.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	010Yr-024Hr	7.48	0.00	-0.14	1.39	1.39	1.39
W-D7-FDOT4B	025Yr-072Hr	8.43	0.00	-0.13	1.44	1.44	1.44
W-D7-FDOT4B	100Yr-072Hr	8.78	0.00	-0.15	1.46	1.46	1.46

Weir Link: W-E1-E2

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-E2	Default:	0.00 ft
To Node:	NZA-E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.22 ft	Discharge Coefficients	
Control Elevation:	4.22 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-E2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	010Yr-024Hr	16.45	0.00	0.00	1.80	1.80	1.80
W-E1-E2	025Yr-072Hr	27.06	0.00	0.00	2.46	2.46	2.46
W-E1-E2	100Yr-072Hr	32.64	0.00	0.01	2.97	2.97	2.97

Weir Link: W-E1-F1

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	NZA-F1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.26 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-F1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	025Yr-072Hr	0.00	-7.21	0.00	-1.35	-1.35	-1.35
W-E1-F1	100Yr-072Hr	0.00	-22.21	-1.86	-2.02	-2.02	-2.02

Weir Link: W-E1-OUTFALL A

Scenario:	OPTION 6
From Node:	NZA-E1
To Node:	OUTFALL (91st) - A
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.68 ft
Control Elevation:	4.68 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFA	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LL A							
W-E1-OUTFALL A	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	100Yr-072Hr	9.95	0.00	0.00	1.52	1.52	1.52

Weir Link: W-E1-OUTFALL B

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	OUTFALL (91st) - B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.68 ft	**Discharge Coefficients**	
Control Elevation:	4.68 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	100Yr-072Hr	9.95	0.00	0.00	1.52	1.52	1.52

Weir Link: W-E2-E3			
Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-E3	Default:	0.00 ft
To Node:	NZA-E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	Discharge Coefficients	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E2-E3	005Yr-024Hr	8.20	0.00	0.00	1.43	1.43	1.43
W-E2-E3	010Yr-024Hr	20.35	0.00	0.00	1.88	1.88	1.88
W-E2-E3	025Yr-072Hr	22.97	0.00	0.00	2.09	2.09	2.09
W-E2-E3	100Yr-072Hr	24.53	0.00	0.00	2.23	2.23	2.23

Weir Link: W-E3-E4			
Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-E4	Default:	0.00 ft
To Node:	NZA-E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.38 ft	Discharge Coefficients	
Control Elevation:	4.38 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E3-E4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E3-E4	005Yr-024Hr	6.84	0.00	0.00	1.35	1.35	1.35
W-E3-E4	010Yr-024Hr	14.93	0.00	0.00	1.73	1.73	1.73
W-E3-E4	025Yr-072Hr	20.16	0.00	-3.02	1.89	1.89	1.89
W-E3-E4	100Yr-072Hr	21.48	0.00	-3.00	1.95	1.95	1.95

Weir Link: W-E4-E5

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-E5	Default:	0.00 ft
To Node:	NZA-E4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.81 ft	Discharge Coefficients	
Control Elevation:	4.81 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E4-E5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	025Yr-072Hr	3.64	0.00	-0.01	0.75	0.75	0.75
W-E4-E5	100Yr-072Hr	6.78	0.00	1.36	0.70	0.70	0.70

Weir Link: W-E5-E6

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-E6	Default:	0.00 ft
To Node:	NZA-E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.50 ft	Ref Node:	
Control Elevation:	4.50 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E5-E6	005Yr-024Hr	0.38	-0.11	0.00	0.16	0.16	0.16
W-E5-E6	010Yr-024Hr	3.93	-0.92	0.00	-0.65	-0.65	-0.65
W-E5-E6	025Yr-072Hr	6.15	-1.46	-1.23	-0.76	-0.76	-0.76
W-E5-E6	100Yr-072Hr	6.11	-1.68	-1.30	-0.78	-0.78	-0.78

Weir Link: W-E6-E7

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-E7	Default:	0.00 ft
To Node:	NZA-E6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.03 ft	Discharge Coefficients	
Control Elevation:	4.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-001Hr	0.00	-5.97	0.01	-1.28	-1.28	-1.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-024Hr	0.95	-6.29	2.48	-1.29	-1.29	-1.29
W-E6-E7	010Yr-024Hr	0.71	-7.01	-2.22	-1.34	-1.34	-1.34
W-E6-E7	025Yr-072Hr	0.73	-8.26	-1.20	-1.36	-1.36	-1.36
W-E6-E7	100Yr-072Hr	1.34	-9.84	1.18	-1.19	-1.19	-1.19

Weir Link: W-E7-E8

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-E8	Default:	0.00 ft
To Node:	NZA-E7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.36 ft	**Discharge Coefficients**	
Control Elevation:	4.36 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E7-E8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E7-E8	005Yr-024Hr	0.00	-7.67	0.00	0.00	0.00	0.00
W-E7-E8	010Yr-024Hr	0.00	-14.81	0.01	-1.74	-1.74	-1.74
W-E7-E8	025Yr-072Hr	0.00	-18.39	2.55	-1.87	-1.87	-1.87
W-E7-E8	100Yr-072Hr	0.00	-21.85	-1.85	-1.99	-1.99	-1.99

Weir Link: W-E8-FDOT1A

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	FDOT-1A	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular		
Invert:	4.46 ft	Ref Node:	
Control Elevation:	4.46 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT1A	005Yr-001Hr	0.29	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT1A	005Yr-024Hr	7.09	0.00	0.00	1.36	1.36	1.36
W-E8-FDOT1A	010Yr-024Hr	10.35	0.00	0.00	1.54	1.54	1.54
W-E8-FDOT1A	025Yr-072Hr	12.36	0.00	2.08	1.64	1.64	1.64
W-E8-FDOT1A	100Yr-072Hr	14.42	0.00	-2.69	1.73	1.73	1.73

Weir Link: W-E8-FDOT5B

Scenario:	OPTION 6	Bottom Clip	
From Node:	FDOT-5B	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.46 ft	Discharge Coefficients	
Control Elevation:	4.46 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT5 B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT5 B	005Yr-024Hr	6.23	0.00	0.00	1.30	1.30	1.30
W-E8-FDOT5 B	010Yr-024Hr	10.93	0.00	0.00	1.57	1.57	1.57
W-E8-FDOT5 B	025Yr-072Hr	13.84	0.00	2.09	1.66	1.66	1.66
W-E8-FDOT5 B	100Yr-072Hr	15.76	0.00	-3.18	1.72	1.72	1.72

Weir Link: W-F1-F2

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.23 ft	Discharge Coefficients	
Control Elevation:	4.23 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-F2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	010Yr-024Hr	0.00	-1.65	0.00	0.00	0.00	0.00
W-F1-F2	025Yr-072Hr	2.03	-11.03	-0.05	-1.49	-1.49	-1.49
W-F1-F2	100Yr-072Hr	3.09	-19.55	2.05	-1.88	-1.88	-1.88

Weir Link: W-F1-G1

Scenario:	OPTION 6	Bottom Clip	

From Node:	NZA-F1
To Node:	NZA-G1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.28 ft
Control Elevation:	4.28 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-G1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	025Yr-072Hr	6.56	-1.20	0.01	0.82	0.82	0.82
W-F1-G1	100Yr-072Hr	7.03	-3.45	1.30	0.78	0.78	0.78

Weir Link: W-F2-F3

Scenario:	OPTION 6
From Node:	NZA-F3
To Node:	NZA-F2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.24 ft
Control Elevation:	4.24 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-F3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-F3	005Yr-024Hr	4.01	0.00	0.00	1.13	1.13	1.13
W-F2-F3	010Yr-024Hr	10.25	0.00	0.00	1.54	1.54	1.54
W-F2-F3	025Yr-072Hr	19.81	0.00	0.00	1.92	1.92	1.92
W-F2-F3	100Yr-072Hr	27.56	0.00	-0.71	2.51	2.51	2.51

Weir Link: W-F2-G2

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-F2	Default:	0.00 ft
To Node:	NZA-G2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.01 ft	**Discharge Coefficients**	
Control Elevation:	4.01 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-G2	005Yr-024Hr	4.29	0.00	0.00	1.15	1.15	1.15
W-F2-G2	010Yr-024Hr	10.61	0.00	0.00	1.56	1.56	1.56
W-F2-G2	025Yr-072Hr	17.44	0.00	1.82	1.84	1.84	1.84
W-F2-G2	100Yr-072Hr	23.34	0.00	-1.84	2.12	2.12	2.12

Weir Link: W-F3-F4

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Gravel Road Vertical
Geometry Type:	Rectangular
Invert:	4.77 ft
Control Elevation:	4.77 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F3-F4	005Yr-024Hr	0.00	-1.61	0.00	0.00	0.00	0.00
W-F3-F4	010Yr-024Hr	0.00	-6.34	0.00	0.00	0.00	0.00
W-F3-F4	025Yr-072Hr	0.00	-13.94	0.00	0.00	0.00	0.00
W-F3-F4	100Yr-072Hr	0.00	-25.05	0.00	-2.28	-2.28	-2.28

Weir Link: W-F4-F5

Scenario:	OPTION 6
From Node:	NZA-F5
To Node:	NZA-F4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.03 ft
Control Elevation:	5.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	010Yr-024Hr	1.18	0.00	0.00	0.75	0.75	0.75
W-F4-F5	025Yr-072Hr	8.58	0.00	0.00	1.45	1.45	1.45
W-F4-F5	100Yr-072Hr	21.96	0.00	0.12	2.00	2.00	2.00

Weir Link: W-F4-G4

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-F4	Default:	0.00 ft
To Node:	NZA-G4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.05 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	025Yr-072Hr	1.70	0.00	0.00	0.85	0.85	0.85
W-F4-G4	100Yr-072Hr	7.90	0.00	2.09	1.13	1.13	1.13

Weir Link: W-F5-F6

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-F6	Default:	0.00 ft
To Node:	NZA-F5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.81 ft
Control Elevation:	4.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F5-F6	005Yr-024Hr	0.00	-1.10	0.00	0.00	0.00	0.00
W-F5-F6	010Yr-024Hr	2.19	-3.39	-0.01	0.91	0.91	0.91
W-F5-F6	025Yr-072Hr	3.12	-3.54	0.02	-0.81	-0.81	-0.81
W-F5-F6	100Yr-072Hr	11.94	-5.12	-1.48	1.09	1.09	1.09

Weir Link: W-F6-F7

Scenario:	OPTION 6
From Node:	NZA-F7
To Node:	NZA-F6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.63 ft
Control Elevation:	4.63 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F6-F7	005Yr-024Hr	1.49	-4.88	-0.01	-1.03	-1.03	-1.03
W-F6-F7	010Yr-024Hr	5.98	-8.11	-0.01	1.27	1.27	1.27
W-F6-F7	025Yr-072Hr	2.15	-10.09	1.93	-0.97	-0.97	-0.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	100Yr-072Hr	5.28	-11.93	1.87	-1.17	-1.17	-1.17

Weir Link: W-F7-F8

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-F7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.60 ft	Discharge Coefficients	
Control Elevation:	4.60 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F7-F8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F7-F8	005Yr-024Hr	0.00	-7.11	0.00	-1.36	-1.36	-1.36
W-F7-F8	010Yr-024Hr	2.00	-12.79	0.02	-1.39	-1.39	-1.39
W-F7-F8	025Yr-072Hr	0.00	-15.22	-2.09	-1.38	-1.38	-1.38
W-F7-F8	100Yr-072Hr	0.00	-19.61	3.93	-1.84	-1.84	-1.84

Weir Link: W-F8-F9

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-F9	Default:	0.00 ft
To Node:	NZA-F8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.75 ft	Discharge Coefficients	
Control Elevation:	4.75 ft	Weir Default:	2.800

Max Depth:	0.50 ft		
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-F9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F8-F9	005Yr-024Hr	0.00	-0.01	0.00	0.00	0.00	0.00
W-F8-F9	010Yr-024Hr	0.00	-9.00	0.00	-1.47	-1.47	-1.47
W-F8-F9	025Yr-072Hr	0.00	-11.82	-3.90	-1.61	-1.61	-1.61
W-F8-F9	100Yr-072Hr	0.00	-15.32	-1.14	-1.76	-1.76	-1.76

Weir Link: W-F8-G8

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	0.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-G8	005Yr-001Hr	3.03	-0.92	-0.01	0.28	0.28	0.28
W-F8-G8	005Yr-024Hr	4.99	-0.67	0.01	0.45	0.45	0.45
W-F8-G8	010Yr-024Hr	7.96	-0.67	-0.01	0.72	0.72	0.72
W-F8-G8	025Yr-072Hr	8.73	-0.72	0.01	0.79	0.79	0.79
W-F8-G8	100Yr-072Hr	8.63	-0.67	0.01	0.78	0.78	0.78

Weir Link: W-F9-FDOT2A			
Scenario:	OPTION 6	Bottom Clip	
From Node:	FDOT-2A	Default:	0.00 ft
To Node:	NZA-F9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F9-FDOT2A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2A	005Yr-024Hr	0.02	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2A	010Yr-024Hr	3.65	0.00	-0.04	1.09	1.09	1.09
W-F9-FDOT2A	025Yr-072Hr	7.36	0.00	-0.08	1.38	1.38	1.38
W-F9-FDOT2A	100Yr-072Hr	11.83	0.00	-0.15	1.62	1.62	1.62

Weir Link: W-G1-G2			
Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.36 ft	Discharge Coefficients	
Control Elevation:	4.36 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G1-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	025Yr-072Hr	1.51	-8.82	0.00	-1.39	-1.39	-1.39
W-G1-G2	100Yr-072Hr	6.70	-9.79	2.32	-1.40	-1.40	-1.40

Weir Link: W-G2-G3

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-G3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.13 ft	Discharge Coefficients	
Control Elevation:	4.13 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-G3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	010Yr-024Hr	0.00	-6.96	0.00	0.00	0.00	0.00
W-G2-G3	025Yr-072Hr	0.00	-22.21	0.00	-2.02	-2.02	-2.02
W-G2-G3	100Yr-072Hr	0.00	-29.43	2.06	-2.68	-2.68	-2.68

Weir Link: W-G2-I1

Scenario:	OPTION 6	Bottom Clip	

From Node:	NZA-G2
To Node:	NZA-I1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.29 ft
Control Elevation:	4.29 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-I1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	025Yr-072Hr	12.09	0.00	0.00	1.63	1.63	1.63
W-G2-I1	100Yr-072Hr	19.90	0.00	-2.00	1.87	1.87	1.87

Weir Link: W-G2-OUTFALL

Scenario:	OPTION 6
From Node:	NZA-G2
To Node:	OUTFALL (89th)
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	5.00 ft
Control Elevation:	5.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	100Yr-072Hr	3.75	0.00	0.00	1.10	1.10	1.10

Weir Link: W-G3-G4

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-G3	Default:	0.00 ft
To Node:	NZA-G4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.73 ft	**Discharge Coefficients**	
Control Elevation:	4.73 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G3-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	010Yr-024Hr	0.00	-3.04	0.00	0.00	0.00	0.00
W-G3-G4	025Yr-072Hr	0.00	-13.25	0.00	0.00	0.00	0.00
W-G3-G4	100Yr-072Hr	0.00	-27.63	0.00	-2.51	-2.51	-2.51

Weir Link: W-G4-G5

Scenario:	OPTION 6	**Bottom Clip**	

From Node:	NZA-G4		
To Node:	NZA-G5	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.84 ft	Ref Node:	
Control Elevation:	4.84 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G4-G5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	010Yr-024Hr	0.00	-6.18	0.00	0.00	0.00	0.00
W-G4-G5	025Yr-072Hr	0.00	-13.43	0.00	-1.69	-1.69	-1.69
W-G4-G5	100Yr-072Hr	0.00	-20.56	1.45	-1.87	-1.87	-1.87

Weir Link: W-G5-G6

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	Discharge Coefficients	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G5-G6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G5-G6	005Yr-024Hr	3.69	0.00	0.00	1.01	1.01	1.01
W-G5-G6	010Yr-024Hr	5.10	-1.35	-2.77	1.04	1.04	1.04
W-G5-G6	025Yr-072Hr	10.41	-1.80	-2.10	1.04	1.04	1.04
W-G5-G6	100Yr-072Hr	13.22	0.00	-2.03	1.20	1.20	1.20

Weir Link: W-G6-G8

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.55 ft	Discharge Coefficients	
Control Elevation:	4.55 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G6-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G6-G8	005Yr-024Hr	1.57	-2.00	0.01	-0.88	-0.88	-0.88
W-G6-G8	010Yr-024Hr	3.65	-3.26	-1.00	-1.05	-1.05	-1.05
W-G6-G8	025Yr-072Hr	3.96	-6.05	2.04	-1.10	-1.10	-1.10
W-G6-G8	100Yr-072Hr	0.00	-7.75	1.17	-1.14	-1.14	-1.14

Weir Link: W-G7-G8

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-G7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.44 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G7-G8	005Yr-024Hr	6.22	0.00	0.00	1.30	1.30	1.30
W-G7-G8	010Yr-024Hr	8.87	0.00	-2.21	1.45	1.45	1.45
W-G7-G8	025Yr-072Hr	9.33	0.00	3.73	1.48	1.48	1.48
W-G7-G8	100Yr-072Hr	8.72	-2.59	-1.20	1.46	1.46	1.46

Weir Link: W-G8-G9

Scenario:	OPTION 6
From Node:	NZA-G8
To Node:	NZA-G9
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.63 ft
Control Elevation:	4.63 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-G9	005Yr-024Hr	0.00	-3.07	0.00	-1.03	-1.03	-1.03

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	010Yr-024Hr	0.00	-8.18	0.04	-1.42	-1.42	-1.42
W-G8-G9	025Yr-072Hr	0.00	-10.14	-1.79	-1.52	-1.52	-1.52
W-G8-G9	100Yr-072Hr	0.00	-11.20	-1.77	-1.56	-1.56	-1.56

Weir Link: W-G8-I7

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.70 ft	**Discharge Coefficients**	
Control Elevation:	4.70 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-I7	005Yr-024Hr	0.00	-0.61	0.00	0.00	0.00	0.00
W-G8-I7	010Yr-024Hr	0.00	-13.51	0.00	-1.69	-1.69	-1.69
W-G8-I7	025Yr-072Hr	0.00	-20.39	0.00	-1.91	-1.91	-1.91
W-G8-I7	100Yr-072Hr	0.00	-21.71	1.69	-1.97	-1.97	-1.97

Weir Link: W-G9-FDOT3A

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	FDOT-3A	Default:	0.00 ft
To Node:	NZA-G9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.31 ft
Control Elevation:	4.31 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G9-FDOT3 A	005Yr-001Hr	2.36	0.00	0.00	0.87	0.87	0.87
W-G9-FDOT3 A	005Yr-024Hr	2.67	0.00	0.00	0.97	0.97	0.97
W-G9-FDOT3 A	010Yr-024Hr	3.30	0.00	1.96	0.92	0.92	0.92
W-G9-FDOT3 A	025Yr-072Hr	3.64	0.00	1.05	0.97	0.97	0.97
W-G9-FDOT3 A	100Yr-072Hr	4.28	0.00	0.81	1.15	1.15	1.15

Weir Link: W-I1-I2

Scenario:	OPTION 6
From Node:	NZA-I2
To Node:	NZA-I1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.03 ft
Control Elevation:	4.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-I2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-I2	005Yr-024Hr	7.89	0.00	0.00	1.41	1.41	1.41
W-I1-I2	010Yr-024Hr	14.25	0.00	0.00	1.72	1.72	1.72
W-I1-I2	025Yr-072Hr	19.15	0.00	0.00	1.90	1.90	1.90
W-I1-I2	100Yr-072Hr	28.44	0.00	-3.50	2.59	2.59	2.59

Weir Link: W-I1-OUTFALL

Scenario:	OPTION 6	**Bottom Clip**	
From Node:	NZA-I1	Default:	0.00 ft
To Node:	OUTFALL (88th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	**Discharge Coefficients**	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	100Yr-072Hr	2.14	0.00	0.00	0.91	0.91	0.91

Weir Link: W-I2-I3

Scenario:	OPTION 6	**Bottom Clip**	

From Node:	NZA-I2
To Node:	NZA-I3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.55 ft
Control Elevation:	4.55 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I2-I3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I2-I3	005Yr-024Hr	0.00	-6.77	0.00	0.00	0.00	0.00
W-I2-I3	010Yr-024Hr	0.00	-11.05	0.00	0.00	0.00	0.00
W-I2-I3	025Yr-072Hr	0.00	-14.21	0.00	0.00	0.00	0.00
W-I2-I3	100Yr-072Hr	0.00	-21.52	1.57	-1.97	-1.97	-1.97

Weir Link: W-I3-I4

Scenario:	OPTION 6
From Node:	NZA-I3
To Node:	NZA-I4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.56 ft
Control Elevation:	4.56 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I3-I4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I3-I4	005Yr-024Hr	0.13	-3.14	0.00	-0.64	-0.64	-0.64
W-I3-I4	010Yr-024Hr	0.13	-5.20	0.00	-0.76	-0.76	-0.76
W-I3-I4	025Yr-072Hr	0.12	-6.71	0.00	-0.95	-0.95	-0.95
W-I3-I4	100Yr-072Hr	0.17	-14.15	2.07	-1.29	-1.29	-1.29

Weir Link: W-I4-I5

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-I5	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.86 ft	Discharge Coefficients	
Control Elevation:	4.86 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I4-I5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	010Yr-024Hr	0.04	-0.03	0.00	0.00	0.00	0.00
W-I4-I5	025Yr-072Hr	2.43	-0.65	0.00	0.95	0.95	0.95
W-I4-I5	100Yr-072Hr	8.67	-0.95	0.01	1.44	1.44	1.44

Weir Link: W-I5-I6

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.70 ft
Control Elevation:	4.70 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I5-I6	005Yr-024Hr	0.00	-1.59	0.00	0.00	0.00	0.00
W-I5-I6	010Yr-024Hr	0.00	-4.43	0.00	0.00	0.00	0.00
W-I5-I6	025Yr-072Hr	0.00	-6.75	0.01	-1.30	-1.30	-1.30
W-I5-I6	100Yr-072Hr	2.79	-11.47	-0.70	-1.60	-1.60	-1.60

Weir Link: W-I6-I7

Scenario:	OPTION 6
From Node:	NZA-I6
To Node:	NZA-I7
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	11.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-I7	005Yr-024Hr	0.00	-0.07	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	010Yr-024Hr	0.00	-10.51	0.00	-1.96	-1.96	-1.96
W-I6-I7	025Yr-072Hr	0.00	-15.05	0.00	-2.74	-2.74	-2.74
W-I6-I7	100Yr-072Hr	0.00	-17.52	0.00	-3.19	-3.19	-3.19

Weir Link: W-I6-OUTFALL

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	OUTFALL (CARLYLE)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.30 ft	Discharge Coefficients	
Control Elevation:	7.30 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-I7-I8

Scenario:	OPTION 6	Bottom Clip	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-I8	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.58 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I7-I8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I7-I8	005Yr-024Hr	0.00	-4.38	0.00	0.00	0.00	0.00
W-I7-I8	010Yr-024Hr	0.00	-10.63	0.00	-1.56	-1.56	-1.56
W-I7-I8	025Yr-072Hr	0.00	-14.55	-1.72	-1.73	-1.73	-1.73
W-I7-I8	100Yr-072Hr	0.00	-18.69	-2.05	-1.87	-1.87	-1.87

Weir Link: W-I8-FDOT4A

Scenario:	OPTION 6
From Node:	FDOT-4A
To Node:	NZA-I8
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	3.87 ft
Control Elevation:	3.87 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 6]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I8-FDOT4A	005Yr-001Hr	3.87	0.00	2.33	0.88	0.88	0.88
W-I8-FDOT4A	005Yr-024Hr	6.04	0.00	2.14	1.28	1.28	1.28
W-I8-FDOT4A	010Yr-024Hr	6.09	0.00	2.80	1.29	1.29	1.29
W-I8-FDOT4A	025Yr-072Hr	6.16	0.00	1.54	1.29	1.29	1.29
W-I8-FDOT4A	100Yr-072Hr	7.26	0.00	2.05	1.28	1.28	1.28

Rating Curve: RC-0001

Scenario: OPTION 6
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	39.60
9.90	39.60

Comment: Surfside Drainage Wells:
DW 1: 620 GPM/FT
DW 2: 800 GPM/FT
DW 3: 800 GPM/FT

Rating Curve: RC-0002

Scenario: OPTION 6
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	33.00
9.90	33.00

Comment: Surfside Drainage Wells:
DW 4: 500 GPM/FT
DW 5: 800 GPM/FT
DW 6: 550 GPM/FT

Rating Curve: RC-0003

Scenario: OPTION 6
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	27.67
9.90	27.67

Comment: Surfside Drainage Wells:
DW 7: 500 GPM/FT
DW 8: 400 GPM/FT
DW 9: 650 GPM/FT

Rating Curve: RC-0004

Scenario: OPTION 6
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	14.20
8.00	14.20

Comment: Existing Surfside Pump Station (92nd)

Rating Curve: RC-0005

Scenario: OPTION 6
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	42.88
9.90	42.88

Comment: FDOT Drainage Wells:
600 GPM/FT

Rating Curve: RC-PROPOSED-TEST

Scenario: OPTION 6
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	44.64
8.00	44.64

Comment: DW-10, DW-11, DW-12, DW-13, DW-14 AT 500 GMP

Appendix P – Scenario Seven

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #7

SHEET NUMBER CP-117

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: aromeo On Wednesday, September 23, 2020 9:40:08 AM

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

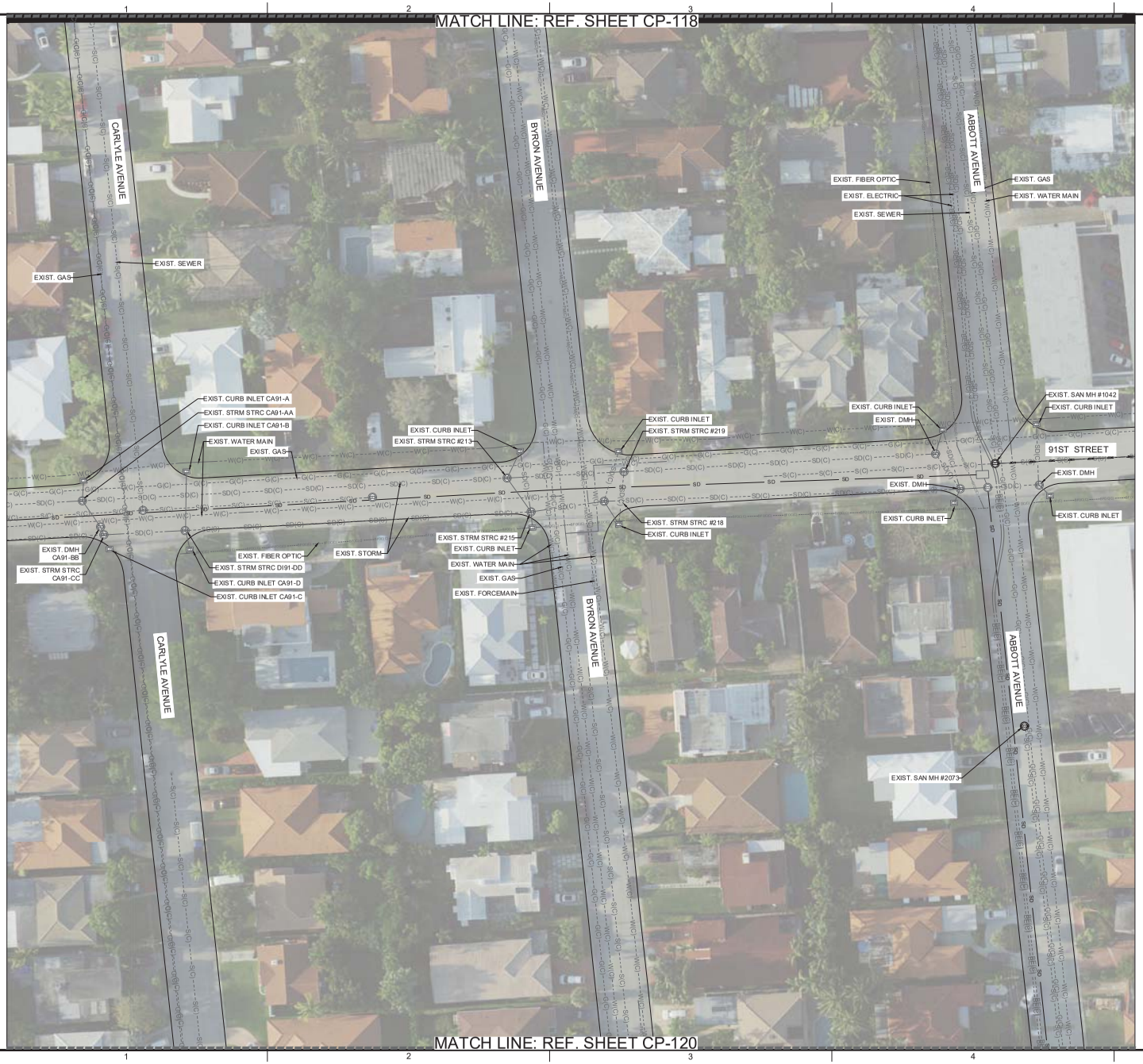
SCENARIO #7

SHEET NUMBER CP-118

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: aromeo On Wednesday, September 23, 2020 9:40:08 AM



N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #7

SHEET NUMBER CP-119

PROJECT NUMBER **11494.00**

STATUS: PRELIMINARY

Plotted by: aromeo On Wednesday, September 23, 2020 9:40:08 AM

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #7

SHEET NUMBER CP-120

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: aromeo On Wednesday, September 23, 2020 9:40:08 AM

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #7

SHEET NUMBER CP-121

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: aromeo On Wednesday, September 23, 2020 9:40:08 AM

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #7

SHEET NUMBER CP-122

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: aromeo On Wednesday, September 23, 2020 9:40:08 AM

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

SCENARIO #7

SHEET NUMBER CP-123

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: aromeo On Wednesday, September 23, 2020 9:40:08 AM

KEITH

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
Project: Abbott Avenue Drainage Improvements
Project No. 11494.00

Scenario 7

91st and 92nd STREET IMPROVEMENTS (PUMP STATIONS)

Updated 6/12/21

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT
	Construction Costs				
1	Mobilization	1	LS	$10,000.00	$10,000.00
2	Maintenance of Traffic	1	LS	$10,000.00	$10,000.00
3	24" RCP Drainage Pipe (Non. Perf.)	1,784	LF	$108.00	$192,672.00
4	Remove Existing Drainage Structure	6	EA	$2,206.74	$13,240.44
5	Drainage Manhole	6	EA	$7,923.77	$47,542.62
6	Pump Station	2	EA	$800,000.00	$1,600,000.00
7	15" DIP FM	3,209	LF	$50.00	$160,450.00
8	Air Release Valve	1	EA	$19,767.00	$19,767.00
9	Drainage Wells	6	EA	$26,250.00	$157,500.00
10	Control Structure	1	EA	$25,500.00	$25,500.00
11	Pavement Restoration	1,400	SY	$54.00	$75,600.00
12	Restore/Restripe Pavement Markings	1	LS	$10,000.00	$10,000.00
13	Contingency (30%)	1	LS	$696,681.62	$696,681.62
				Subtotal	**$3,018,953.68**
	Additional Services				
1	Survey, Subsurface Utility Exploration (SUE) & Design Testing	1	LS	4.0%	$120,758.15
2	Professional Design Services & Permitting	1	LS	10.0%	$301,895.37
3	Construction Administration Services	1	LS	6.0%	$181,137.22
				Subtotal	**$603,790.74**
				TOTAL OPININION OF PROBABLE COST	**$3,622,744.41**

NOTES:

1 The quantities and unit prices are obtained from various sources (including contract bids for similar projects).
2 The unit prices are based on current construction costs (as of 6/12/21)
3 The locations and sizes of the existing utilities are based on best available information and cannot be guaranteed for their accuracy.
4 No utility coordination and/or relocation included in this estimate.
5 The quantities are based on the Proposed Exhibit (Scenerio 6)

Background Image: NETWORK DIAGRAM

---Unable to Generate Chart---

Simulation: 005Yr-001Hr

Scenario: OPTION 7
Run Date/Time: 6/13/2021 8:40:42 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.20 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 005Yr-024Hr

Scenario: OPTION 7
Run Date/Time: 6/13/2021 8:41:00 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	6.50 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 010Yr-024Hr

Scenario: OPTION 7
Run Date/Time: 6/13/2021 8:43:12 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~SCSIII-24
Rainfall Amount: 8.52 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 025Yr-072Hr

Scenario: OPTION 7
Run Date/Time: 6/13/2021 8:45:26 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.10 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100Yr-072Hr

Scenario: OPTION 7
Run Date/Time: 6/13/2021 8:51:16 PM
Program Version: ICPR4 4.07.06

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	17.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simple Basin: A1

Scenario:	OPTION 7
Node:	NZA-A1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7600 ac
Curve Number:	85.0

% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A2

Scenario:	OPTION 7
Node:	NZA-A2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A3

Scenario:	OPTION 7
Node:	NZA-A3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A4

Scenario:	OPTION 7
Node:	NZA-A4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA1

Scenario:	OPTION 7
Node:	NZA-AA1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA2

Scenario:	OPTION 7
Node:	NZA-AA2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA3

Scenario:	OPTION 7
Node:	NZA-AA3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA4

Scenario:	OPTION 7
Node:	NZA-AA4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA5

Scenario:	OPTION 7
Node:	NZA-AA5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B1

Scenario:	OPTION 7
Node:	NZA-B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B2

Scenario:	OPTION 7
Node:	NZA-B2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B3

Scenario:	OPTION 7
Node:	NZA-B3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B4

Scenario:	OPTION 7
Node:	NZA-B4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C1

Scenario:	OPTION 7
Node:	NZA-C1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C2

Scenario:	OPTION 7
Node:	NZA-C2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D1

Scenario:	OPTION 7
Node:	NZA-D1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D2

Scenario:	OPTION 7
Node:	NZA-D2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D3

Scenario:	OPTION 7
Node:	NZA-D3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D4

Scenario:	OPTION 7
Node:	NZA-D4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D5

Scenario:	OPTION 7
Node:	NZA-D5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.8200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D6

Scenario:	OPTION 7
Node:	NZA-D6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	9.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D7

Scenario:	OPTION 7
Node:	NZA-D7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E1

Scenario:	OPTION 7
Node:	NZA-E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E2

Scenario:	OPTION 7
Node:	NZA-E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E3

Scenario:	OPTION 7
Node:	NZA-E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E4

Scenario:	OPTION 7
Node:	NZA-E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E5

Scenario:	OPTION 7
Node:	NZA-E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E6

Scenario:	OPTION 7
Node:	NZA-E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E7

Scenario:	OPTION 7
Node:	NZA-E7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E8

Scenario:	OPTION 7
Node:	NZA-E8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F1

Scenario:	OPTION 7
Node:	NZA-F1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F2

Scenario:	OPTION 7
Node:	NZA-F2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F3

Scenario:	OPTION 7
Node:	NZA-F3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F4

Scenario:	OPTION 7
Node:	NZA-F4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F5

Scenario:	OPTION 7
Node:	NZA-F5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F6

Scenario:	OPTION 7
Node:	NZA-F6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F7

Scenario:	OPTION 7
Node:	NZA-F7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F8

Scenario:	OPTION 7
Node:	NZA-F8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F9

Scenario:	OPTION 7
Node:	NZA-F9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1A

Scenario:	OPTION 7
Node:	FDOT-1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1B

Scenario:	OPTION 7
Node:	FDOT-1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2A

Scenario:	OPTION 7
Node:	FDOT-2A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2B

Scenario:	OPTION 7
Node:	FDOT-2B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3A

Scenario:	OPTION 7
Node:	FDOT-3A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.5900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3B

Scenario:	OPTION 7
Node:	FDOT-3B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4A

Scenario:	OPTION 7
Node:	FDOT-4A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.3400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4B

Scenario:	OPTION 7
Node:	FDOT-4B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-5B

Scenario:	OPTION 7
Node:	FDOT-5B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G1

Scenario:	OPTION 7
Node:	NZA-G1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G2

Scenario:	OPTION 7
Node:	NZA-G2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G3

Scenario:	OPTION 7
Node:	NZA-G3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G4

Scenario:	OPTION 7
Node:	NZA-G4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G5

Scenario:	OPTION 7
Node:	NZA-G5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G6

Scenario:	OPTION 7
Node:	NZA-G6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G7

Scenario:	OPTION 7
Node:	NZA-G7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G8

Scenario:	OPTION 7
Node:	NZA-G8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G9

Scenario:	OPTION 7
Node:	NZA-G9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I1

Scenario:	OPTION 7
Node:	NZA-I1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I2

Scenario:	OPTION 7
Node:	NZA-I2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I3

Scenario:	OPTION 7
Node:	NZA-I3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I4

Scenario:	OPTION 7
Node:	NZA-I4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I5

Scenario:	OPTION 7
Node:	NZA-I5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I6

Scenario:	OPTION 7
Node:	NZA-I6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I7

Scenario:	OPTION 7
Node:	NZA-I7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: I8

Scenario: OPTION 7
Node: NZA-I8
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.9500 ac
Curve Number: 85.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: AQUIFER (89th)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (89th)	005Yr-001Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	005Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	010Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	025Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	100Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0

Node: AQUIFER (94th)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (94th)	005Yr-001Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	005Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	010Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	025Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	100Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0

Node: AQUIFER (CARLYLE)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0

Node: AQUIFER 91ST

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER 91ST	005Yr-001Hr	8.00	-60.00	0.0000	26.70	0.00	0
AQUIFER 91ST	005Yr-024Hr	8.00	-60.00	0.0000	26.70	0.00	0
AQUIFER 91ST	010Yr-024Hr	8.00	-60.00	0.0000	26.70	0.00	0
AQUIFER 91ST	025Yr-072Hr	8.00	-60.00	0.0000	26.70	0.00	0
AQUIFER 91ST	100Yr-072Hr	8.00	-60.00	0.0000	26.70	0.00	0

Node: FDOT AQUIFER (94TH)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT AQUIFER (CARLYLE)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment: FDOT AQUIFER

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT OUTFALL (94th)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT OUTFALL (CARLYLE)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT-1A

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6200	27007
8.00	1.8900	82328

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-001Hr	4.86	4.49	0.0028	3.50	3.37	6942

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-024Hr	4.86	4.70	0.0028	7.30	7.09	18191
FDOT-1A	010Yr-024Hr	4.86	4.81	0.0028	10.74	10.35	24095
FDOT-1A	025Yr-072Hr	4.86	5.12	0.0028	12.93	12.48	31664
FDOT-1A	100Yr-072Hr	4.86	5.62	0.0028	16.73	13.78	40416

Node: FDOT-1B

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.72	0.0001	4
5.22	0.4700	20473
8.00	0.8300	36155

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1B	005Yr-001Hr	5.22	4.50	0.0016	10.19	10.16	266
FDOT-1B	005Yr-024Hr	5.22	4.56	0.0016	12.75	12.75	267
FDOT-1B	010Yr-024Hr	5.22	4.66	0.0016	17.75	17.75	267
FDOT-1B	025Yr-072Hr	5.22	5.20	-0.0021	21.44	20.82	19830
FDOT-1B	100Yr-072Hr	5.22	5.74	-0.0028	28.61	21.78	23385

Node: FDOT-2A

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4

Stage [ft]	Area [ac]	Area [ft2]
3.44	0.0001	4
3.94	0.5100	22216
8.00	1.5000	65340

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2A	005Yr-001Hr	3.91	4.48	0.0077	13.24	3.73	27918
FDOT-2A	005Yr-024Hr	3.91	4.77	0.0077	12.51	8.27	31091
FDOT-2A	010Yr-024Hr	3.91	4.95	0.0077	16.59	12.70	32953
FDOT-2A	025Yr-072Hr	3.91	5.19	0.0077	20.27	15.19	35541
FDOT-2A	100Yr-072Hr	3.91	5.62	0.0077	27.64	18.91	40041

Node: FDOT-2B

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.21 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.71	0.0001	4
5.21	0.6200	27007
8.00	1.2300	53579

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2B	005Yr-001Hr	5.21	2.40	0.0176	38.27	28.82	196
FDOT-2B	005Yr-024Hr	5.21	2.64	0.0176	38.27	34.74	196
FDOT-2B	010Yr-024Hr	5.21	3.33	0.0176	46.82	46.78	196
FDOT-2B	025Yr-072Hr	5.21	4.13	0.0176	49.84	49.75	196
FDOT-2B	100Yr-072Hr	5.21	4.82	0.0176	53.52	53.36	6030

Node: FDOT-3A

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.38	0.0001	4
4.88	0.5500	23958
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3A	005Yr-001Hr	4.88	4.47	0.0225	28.26	9.60	4304
FDOT-3A	005Yr-024Hr	4.88	4.77	0.0225	28.26	9.60	18578
FDOT-3A	010Yr-024Hr	4.88	4.95	0.0225	28.26	11.67	24710
FDOT-3A	025Yr-072Hr	4.88	5.18	0.0225	28.26	12.65	27312
FDOT-3A	100Yr-072Hr	4.88	5.56	0.0225	28.26	19.49	31617

Node: FDOT-3B

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.40 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.99	0.0001	4
4.40	0.6200	27007
8.00	2.7300	118919

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3B	005Yr-001Hr	4.40	2.42	0.0098	9.82	7.36	100
FDOT-3B	005Yr-024Hr	4.40	2.68	0.0098	9.82	8.58	100
FDOT-3B	010Yr-024Hr	4.40	3.39	0.0098	11.85	11.81	100
FDOT-3B	025Yr-072Hr	4.40	4.20	0.0098	14.48	14.36	13702
FDOT-3B	100Yr-072Hr	4.40	4.89	0.0098	19.74	16.84	39618

Node: FDOT-4A

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.81	0.0001	4
4.31	0.3100	13504
8.00	1.2000	52272

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4A	005Yr-001Hr	4.18	4.46	-0.0275	12.70	28.26	15580
FDOT-4A	005Yr-024Hr	4.18	4.76	-0.0275	13.23	28.26	18679
FDOT-4A	010Yr-024Hr	4.18	4.93	-0.0275	17.42	28.26	20520
FDOT-4A	025Yr-072Hr	4.18	5.15	-0.0275	21.88	28.26	22748
FDOT-4A	100Yr-072Hr	4.18	5.48	-0.0275	29.35	28.26	26212

Node: FDOT-4B

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.40	0.0001	4
3.90	0.6300	27443
8.00	1.7500	76230

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4B	005Yr-001Hr	3.90	4.13	0.0008	10.65	0.31	30151
FDOT-4B	005Yr-024Hr	3.90	4.66	0.0001	9.95	6.82	36485
FDOT-4B	010Yr-024Hr	3.90	4.79	0.0001	12.27	10.86	38045
FDOT-4B	025Yr-072Hr	3.90	5.12	0.0001	15.41	13.56	41954
FDOT-4B	100Yr-072Hr	3.90	5.65	0.0001	22.22	16.44	48276

Node: FDOT-5B

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6600	28750
8.00	2.2300	97139

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-5B	005Yr-001Hr	4.86	4.14	0.0008	3.35	3.31	100
FDOT-5B	005Yr-024Hr	4.86	4.65	0.0001	5.57	5.25	16907
FDOT-5B	010Yr-024Hr	4.86	4.80	0.0001	8.52	8.08	25187
FDOT-5B	025Yr-072Hr	4.86	5.12	0.0001	10.45	9.90	34327
FDOT-5B	100Yr-072Hr	4.86	5.63	0.0001	13.74	11.54	45642

Node: NTZ-0161

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.00
0	0	0	99999.0000	0.00

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NTZ-0161	005Yr-001Hr	0.00	0.00	0.0000	44.64	0.00	0
NTZ-0161	005Yr-024Hr	0.00	0.00	0.0000	44.64	0.00	0
NTZ-0161	010Yr-024Hr	0.00	0.00	0.0000	44.64	0.00	0
NTZ-0161	025Yr-072Hr	0.00	0.00	0.0000	44.64	0.00	0
NTZ-0161	100Yr-072Hr	0.00	0.00	0.0000	44.64	0.00	0

Node: NZA-A1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.60 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.10	0.0001	4
3.60	0.5200	22651
8.00	1.3600	59242

Comment: As-built Structure D-195

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A1	005Yr-001Hr	3.60	3.15	-0.0005	10.81	10.80	2198
NZA-A1	005Yr-024Hr	3.60	3.70	-0.0023	16.87	14.96	23484
NZA-A1	010Yr-024Hr	3.60	4.16	-0.0031	28.59	27.78	27297
NZA-A1	025Yr-072Hr	3.60	4.34	-0.0034	38.42	37.32	28838
NZA-A1	100Yr-072Hr	3.60	4.55	-0.0026	53.13	51.94	30582

Node: NZA-A2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4800	20909
8.00	1.6200	70567

Comment: AS-BUILT INLET CA-95

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A2	005Yr-001Hr	4.24	4.27	0.0005	9.92	4.81	21291
NZA-A2	005Yr-024Hr	4.24	4.87	0.0007	13.80	12.69	29193
NZA-A2	010Yr-024Hr	4.24	5.04	0.0007	23.29	21.25	31462
NZA-A2	025Yr-072Hr	4.24	5.14	0.0007	30.59	28.49	32812
NZA-A2	100Yr-072Hr	4.24	5.34	0.0007	41.53	40.55	35488

Node: NZA-A3

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.95	0.0001	4
4.45	0.6200	27007
8.00	2.2100	96268

Comment: AS-BUILT STRUCTURE BY95

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A3	005Yr-001Hr	4.45	4.53	0.0007	10.45	3.15	28559
NZA-A3	005Yr-024Hr	4.45	4.95	-0.0007	12.57	8.02	36763
NZA-A3	010Yr-024Hr	4.45	5.07	-0.0006	17.47	12.86	39180
NZA-A3	025Yr-072Hr	4.45	5.17	-0.0005	21.55	16.92	41109
NZA-A3	100Yr-072Hr	4.45	5.59	-0.0005	31.33	28.29	49196

Node: NZA-A4

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.6400	27878
8.00	2.2900	99752

Comment: As-built Structrure AB95

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A4	005Yr-001Hr	4.80	4.50	0.0007	14.98	14.36	11347
NZA-A4	005Yr-024Hr	4.80	5.09	-0.0007	12.20	10.84	34334
NZA-A4	010Yr-024Hr	4.80	5.21	-0.0007	16.70	9.63	37025
NZA-A4	025Yr-072Hr	4.80	5.30	-0.0007	19.84	11.76	39166
NZA-A4	100Yr-072Hr	4.80	5.72	-0.0007	34.22	21.68	48613

Node: NZA-AA1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1000	4356
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA1	005Yr-001Hr	4.00	3.09	0.0010	11.20	11.20	308
NZA-AA1	005Yr-024Hr	4.00	3.21	0.0010	13.27	13.26	308
NZA-AA1	010Yr-024Hr	4.00	3.45	0.0010	17.48	17.48	308
NZA-AA1	025Yr-072Hr	4.00	3.58	0.0010	20.00	19.99	977
NZA-AA1	100Yr-072Hr	4.00	3.79	0.0010	24.36	24.33	2797

Node: NZA-AA2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.0900	3920
8.00	0.4000	17424

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA2	005Yr-001Hr	4.00	3.17	0.0010	9.05	9.04	381
NZA-AA2	005Yr-024Hr	4.00	3.30	0.0010	10.67	10.66	381
NZA-AA2	010Yr-024Hr	4.00	3.55	0.0010	13.96	13.97	745
NZA-AA2	025Yr-072Hr	4.00	3.69	0.0010	15.93	15.97	1802
NZA-AA2	100Yr-072Hr	4.00	3.91	0.0010	19.32	19.40	3535

Node: NZA-AA3

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.5200	22651
8.00	1.0800	47045

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA3	005Yr-001Hr	4.00	3.22	0.0026	7.04	7.02	327
NZA-AA3	005Yr-024Hr	4.00	3.35	0.0026	8.25	8.23	328
NZA-AA3	010Yr-024Hr	4.00	3.60	0.0026	10.77	10.73	4818
NZA-AA3	025Yr-072Hr	4.00	3.74	0.0026	12.56	12.34	11191
NZA-AA3	100Yr-072Hr	4.00	3.98	0.0026	15.93	15.06	21736

Node: NZA-AA4

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1300	5663
8.00	0.7900	34412

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA4	005Yr-001Hr	4.00	3.22	0.0044	18.47	6.17	375
NZA-AA4	005Yr-024Hr	4.00	3.36	0.0044	18.47	6.17	375
NZA-AA4	010Yr-024Hr	4.00	3.62	0.0044	18.47	7.70	1496
NZA-AA4	025Yr-072Hr	4.00	3.76	0.0044	18.47	8.84	3129
NZA-AA4	100Yr-072Hr	4.00	4.00	0.0044	18.47	10.90	5833

Node: NZA-AA5

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1200	5227
8.00	0.4300	18731

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA5	005Yr-001Hr	4.00	3.50	-0.0066	3.27	19.35	404
NZA-AA5	005Yr-024Hr	4.00	3.50	-0.0066	3.71	19.35	404
NZA-AA5	010Yr-024Hr	4.00	3.62	-0.0066	4.68	19.35	1480
NZA-AA5	025Yr-072Hr	4.00	3.77	-0.0066	5.55	19.35	2993
NZA-AA5	100Yr-072Hr	4.00	4.01	-0.0066	7.29	19.35	5423

Node: NZA-AA7

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4700	20473
8.00	0.8800	38333

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA7	005Yr-001Hr	8.00	4.49	0.0007	14.36	0.00	22642
NZA-AA7	005Yr-024Hr	8.00	5.09	-0.0020	10.73	3.18	25327
NZA-AA7	010Yr-024Hr	8.00	5.21	-0.0017	8.80	2.92	25862
NZA-AA7	025Yr-072Hr	8.00	5.30	-0.0014	8.37	2.50	26287
NZA-AA7	100Yr-072Hr	8.00	5.72	0.0001	9.58	3.62	28164

Node: NZA-B1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.17 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.67	0.0001	4
4.17	0.7000	30492
8.00	1.9500	84942

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B1	005Yr-001Hr	4.17	2.66	-0.0055	29.49	30.98	100
NZA-B1	005Yr-024Hr	4.17	2.95	-0.0058	34.15	35.09	100
NZA-B1	010Yr-024Hr	4.17	3.62	-0.0058	39.95	39.84	100
NZA-B1	025Yr-072Hr	4.17	4.05	-0.0058	46.35	45.46	23121
NZA-B1	100Yr-072Hr	4.17	4.54	-0.0122	77.53	75.96	35836

Node: NZA-B2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.73 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.23	0.0001	4
4.73	0.5200	22651
8.00	1.6900	73616

Comment: As-built Structure EX-283

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B2	005Yr-001Hr	4.73	2.83	-0.0041	12.10	12.59	100
NZA-B2	005Yr-024Hr	4.73	3.26	-0.0046	15.78	16.18	100
NZA-B2	010Yr-024Hr	4.73	4.27	-0.0046	22.15	22.11	1604
NZA-B2	025Yr-072Hr	4.73	4.71	-0.0046	28.49	27.25	21760
NZA-B2	100Yr-072Hr	4.73	5.00	-0.0128	41.93	39.45	26941

Node: NZA-B3

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.83 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.33	0.0001	4
4.83	0.5500	23958
8.00	1.0800	47045

Comment: As-built Structure EX-291

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B3	005Yr-001Hr	4.83	2.86	-0.0033	5.68	5.17	100
NZA-B3	005Yr-024Hr	4.83	3.35	-0.0035	5.69	5.85	100
NZA-B3	010Yr-024Hr	4.83	4.52	-0.0035	8.56	8.77	9019
NZA-B3	025Yr-072Hr	4.83	4.84	-0.0060	14.73	14.48	24028
NZA-B3	100Yr-072Hr	4.83	5.12	-0.0086	23.86	23.59	26083

Node: NZA-B4

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3400	14810
8.00	1.4300	62291

Comment: AS-BUILT STRUCTURE EX-295

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B4	005Yr-001Hr	4.80	2.85	-0.0081	15.20	15.17	100
NZA-B4	005Yr-024Hr	4.80	3.35	-0.0081	18.32	18.26	100
NZA-B4	010Yr-024Hr	4.80	4.52	-0.0081	25.23	24.99	6538
NZA-B4	025Yr-072Hr	4.80	5.14	-0.0107	30.96	33.01	19842
NZA-B4	100Yr-072Hr	4.80	5.69	-0.0081	42.99	37.24	28098

Node: NZA-C1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.6800	29621
8.00	2.1100	91912

Comment: As-built Structure EX-280

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C1	005Yr-001Hr	4.44	3.83	-0.0007	6.93	6.98	100
NZA-C1	005Yr-024Hr	4.44	4.25	-0.0011	8.34	7.69	18382
NZA-C1	010Yr-024Hr	4.44	4.69	-0.0023	11.61	7.88	33992
NZA-C1	025Yr-072Hr	4.44	4.97	-0.0029	15.17	8.88	38898
NZA-C1	100Yr-072Hr	4.44	5.31	-0.0029	25.70	23.10	44910

Node: NZA-C2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 5.78 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
5.28	0.0001	4
5.78	0.5000	21780
8.00	1.3900	60548

Comment: AS-BUILT STRUCTURE EX-404.

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C2	005Yr-001Hr	5.78	2.63	-0.0017	9.70	9.72	100
NZA-C2	005Yr-024Hr	5.78	3.24	-0.0018	11.66	11.65	100
NZA-C2	010Yr-024Hr	5.78	5.47	-0.0028	15.64	15.03	8461
NZA-C2	025Yr-072Hr	5.78	5.82	-0.0039	19.12	15.24	22432
NZA-C2	100Yr-072Hr	5.78	6.01	-0.0039	26.07	22.07	25834

Node: NZA-CS-01

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-01	005Yr-001Hr	8.00	2.01	-0.0179	30.98	35.25	100
NZA-CS-01	005Yr-024Hr	8.00	2.01	-0.0182	35.09	37.33	100
NZA-CS-01	010Yr-024Hr	8.00	2.02	0.0198	39.84	39.72	100
NZA-CS-01	025Yr-072Hr	8.00	2.24	0.0194	42.25	42.29	100
NZA-CS-01	100Yr-072Hr	8.00	2.42	-0.0193	45.76	45.79	100

Node: NZA-CS-02

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.83	0.0010	44

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-02	005Yr-001Hr	8.00	2.01	-0.0146	23.58	28.25	100
NZA-CS-02	005Yr-024Hr	8.00	2.01	-0.0151	26.69	29.83	100
NZA-CS-02	010Yr-024Hr	8.00	2.02	0.0171	33.00	33.08	100
NZA-CS-02	025Yr-072Hr	8.00	2.19	0.0170	34.90	35.00	100
NZA-CS-02	100Yr-072Hr	8.00	2.34	0.0170	37.52	37.60	100

Node: NZA-CS-03

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-03	005Yr-001Hr	8.00	3.37	0.0002	25.19	25.17	100
NZA-CS-03	005Yr-024Hr	8.00	3.81	-0.0005	30.22	30.22	100
NZA-CS-03	010Yr-024Hr	8.00	4.31	-0.0005	35.17	35.17	100
NZA-CS-03	025Yr-072Hr	8.00	4.49	-0.0005	36.71	36.71	100
NZA-CS-03	100Yr-072Hr	8.00	4.77	-0.0005	39.12	39.12	100

Node: NZA-CS-04

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0010	44

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	005Yr-001Hr	8.00	2.48	-0.0005	6.56	6.56	100
NZA-CS-04	005Yr-024Hr	8.00	2.68	-0.0007	8.12	8.12	100
NZA-CS-04	010Yr-024Hr	8.00	2.89	-0.0007	9.06	9.06	100
NZA-CS-04	025Yr-072Hr	8.00	2.98	-0.0007	9.41	9.41	100
NZA-CS-04	100Yr-072Hr	8.00	3.08	-0.0007	9.76	9.76	100

Node: NZA-CS-05

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-05	005Yr-001Hr	8.00	2.97	0.0002	11.14	11.13	100
NZA-CS-05	005Yr-024Hr	8.00	3.89	-0.0010	15.06	15.03	100
NZA-CS-05	010Yr-024Hr	8.00	4.54	-0.0011	15.38	15.31	100
NZA-CS-05	025Yr-072Hr	8.00	4.67	-0.0013	15.57	15.49	100
NZA-CS-05	100Yr-072Hr	8.00	5.06	-0.0013	15.65	15.56	100

Node: NZA-CS-10

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
8.00	0.0010	44

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-10	005Yr-001Hr	8.00	2.68	0.0002	0.20	0.02	100
NZA-CS-10	005Yr-024Hr	8.00	2.78	-0.0002	0.09	0.20	100
NZA-CS-10	010Yr-024Hr	8.00	3.83	-0.0002	0.09	0.20	100
NZA-CS-10	025Yr-072Hr	8.00	4.65	-0.0011	0.14	1.08	100
NZA-CS-10	100Yr-072Hr	8.00	4.97	-0.0016	0.17	1.56	100

Node: NZA-CS-11

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0020	87
3.50	0.0020	87

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-11	005Yr-001Hr	8.00	3.00	0.0002	0.27	0.03	132
NZA-CS-11	005Yr-024Hr	8.00	3.94	-0.0005	0.08	0.69	132

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-11	010Yr-024Hr	8.00	4.59	-0.0007	0.11	0.90	132
NZA-CS-11	025Yr-072Hr	8.00	4.72	-0.0007	0.15	0.98	132
NZA-CS-11	100Yr-072Hr	8.00	5.11	-0.0008	0.19	1.01	132

Node: NZA-CS-TOWN

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.15	0.0010	44

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-TOWN	005Yr-001Hr	8.00	2.94	0.0010	11.20	11.20	341
NZA-CS-TOWN	005Yr-024Hr	8.00	3.05	0.0010	13.26	13.26	343
NZA-CS-TOWN	010Yr-024Hr	8.00	3.27	0.0010	17.48	17.48	344
NZA-CS-TOWN	025Yr-072Hr	8.00	3.38	0.0010	19.99	19.99	344
NZA-CS-TOWN	100Yr-072Hr	8.00	3.57	0.0010	24.33	24.33	344

Node: NZA-D1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4400	19166
8.00	1.1600	50530

Comment: AS-BUILT STRUCTURE EX-271

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D1	005Yr-001Hr	3.56	3.00	0.0002	13.62	13.61	100
NZA-D1	005Yr-024Hr	3.56	3.94	-0.0011	23.88	18.90	21929
NZA-D1	010Yr-024Hr	3.56	4.59	-0.0016	37.71	30.55	26478
NZA-D1	025Yr-072Hr	3.56	4.72	-0.0019	46.45	35.98	27410
NZA-D1	100Yr-072Hr	3.56	5.11	-0.0019	53.68	40.61	30185

Node: NZA-D2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.62 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.12	0.0001	4
3.62	0.4900	21344
8.00	1.4700	64033

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D2	005Yr-001Hr	3.62	3.72	0.0003	16.81	9.88	22380
NZA-D2	005Yr-024Hr	3.62	4.43	-0.0005	25.50	25.01	29222
NZA-D2	010Yr-024Hr	3.62	4.77	-0.0004	37.88	34.45	32572
NZA-D2	025Yr-072Hr	3.62	4.97	-0.0009	48.07	40.63	34538
NZA-D2	100Yr-072Hr	3.62	5.38	-0.0006	58.98	48.53	38502

Node: NZA-D3

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.98 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.48	0.0001	4
3.98	0.4700	20473
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE EX-263

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D3	005Yr-001Hr	3.98	3.96	0.0003	8.60	4.46	19647
NZA-D3	005Yr-024Hr	3.98	4.62	-0.0026	21.61	20.99	27645
NZA-D3	010Yr-024Hr	3.98	4.98	-0.0024	34.68	29.11	31707
NZA-D3	025Yr-072Hr	3.98	5.16	-0.0028	42.76	30.44	33802
NZA-D3	100Yr-072Hr	3.98	5.66	-0.0023	47.30	32.31	39458

Node: NZA-D4

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.16 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.66	0.0001	4
4.16	0.9400	40946
8.00	2.5700	111949

Comment: AS-BUILT STRUCTURE EX-258

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D4	005Yr-001Hr	4.16	4.27	0.0009	13.41	2.34	42932
NZA-D4	005Yr-024Hr	4.16	4.93	-0.0031	23.69	16.54	55266
NZA-D4	010Yr-024Hr	4.16	5.07	-0.0026	36.45	24.73	57845
NZA-D4	025Yr-072Hr	4.16	5.28	-0.0022	40.77	28.12	61744
NZA-D4	100Yr-072Hr	4.16	5.85	0.0002	46.88	28.56	72170

Node: NZA-D5

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.9400	40946
8.00	1.5200	66211

Comment: AS-BUILT STRUCTURE EX-253

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D5	005Yr-001Hr	4.46	4.59	0.0010	15.06	2.33	41904
NZA-D5	005Yr-024Hr	4.46	4.94	-0.0013	18.11	12.70	44388
NZA-D5	010Yr-024Hr	4.46	5.12	-0.0011	25.18	18.57	45633
NZA-D5	025Yr-072Hr	4.46	5.30	-0.0010	30.77	22.46	46950
NZA-D5	100Yr-072Hr	4.46	5.88	-0.0003	41.95	30.20	51087

Node: NZA-D6

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.48 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.98	0.0001	4
4.48	1.0400	45302
8.00	1.9600	85378

Comment: AS-BUILT STRUCTURE EX-249

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D6	005Yr-001Hr	4.48	4.52	0.0009	15.98	6.41	45802
NZA-D6	005Yr-024Hr	4.48	4.73	-0.0008	19.40	14.94	48139
NZA-D6	010Yr-024Hr	4.48	4.91	-0.0007	26.76	23.65	50151
NZA-D6	025Yr-072Hr	4.48	5.29	-0.0007	38.11	32.80	54557
NZA-D6	100Yr-072Hr	4.48	5.86	-0.0007	62.18	36.97	61015

Node: NZA-D7

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.90	0.5900	25700
8.00	1.9200	83635

Comment: AS-BUILT STRUCTURE EX-HG92

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D7	005Yr-001Hr	3.90	1.79	-0.0093	15.68	17.32	100
NZA-D7	005Yr-024Hr	3.90	2.76	-0.0098	36.37	36.49	100
NZA-D7	010Yr-024Hr	3.90	4.78	-0.0118	48.46	41.65	38104
NZA-D7	025Yr-072Hr	3.90	5.11	-0.0164	64.14	43.29	42827
NZA-D7	100Yr-072Hr	3.90	5.64	-0.0167	79.17	43.68	50360

Node: NZA-D8

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D8	005Yr-001Hr	8.00	1.77	-0.0086	24.50	27.33	100
NZA-D8	005Yr-024Hr	8.00	2.57	-0.0096	44.92	44.78	100
NZA-D8	010Yr-024Hr	8.00	4.58	-0.0096	46.50	45.57	100
NZA-D8	025Yr-072Hr	8.00	4.93	-0.0096	46.70	45.67	100
NZA-D8	100Yr-072Hr	8.00	5.44	-0.0096	47.00	45.82	100

Node: NZA-DS1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.20	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS1	005Yr-001Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS1	005Yr-024Hr	8.00	1.60	0.0000	0.04	0.00	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS1	010Yr-024Hr	8.00	1.60	0.0001	0.09	0.09	100
NZA-DS1	025Yr-072Hr	8.00	1.60	-0.0002	2.65	2.78	100
NZA-DS1	100Yr-072Hr	8.00	1.60	-0.0002	6.16	6.30	100

Node: NZA-DS2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.86	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS2	005Yr-001Hr	8.00	1.60	0.0000	0.02	0.00	100
NZA-DS2	005Yr-024Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS2	010Yr-024Hr	8.00	1.60	0.0001	0.06	0.02	100
NZA-DS2	025Yr-072Hr	8.00	1.60	-0.0001	1.90	2.06	100
NZA-DS2	100Yr-072Hr	8.00	1.60	0.0002	4.52	4.61	100

Node: NZA-DS3

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.90	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS3	005Yr-001Hr	8.00	1.61	-0.0016	25.17	25.18	100
NZA-DS3	005Yr-024Hr	8.00	1.62	-0.0020	30.22	30.25	100
NZA-DS3	010Yr-024Hr	8.00	1.62	-0.0019	35.17	35.20	100
NZA-DS3	025Yr-072Hr	8.00	1.62	-0.0019	36.71	36.73	100
NZA-DS3	100Yr-072Hr	8.00	1.63	-0.0020	39.12	39.14	100

Node: NZA-E1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.5100	22216
8.00	1.8400	80150

Comment: AS-BUILT STRUCTURE BA91

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E1	005Yr-001Hr	4.18	2.68	0.0002	24.85	24.85	100
NZA-E1	005Yr-024Hr	4.18	2.78	0.0005	29.65	29.65	100
NZA-E1	010Yr-024Hr	4.18	3.83	-0.0003	52.80	52.61	6707
NZA-E1	025Yr-072Hr	4.18	4.65	-0.0030	71.26	62.94	29358
NZA-E1	100Yr-072Hr	4.18	4.97	-0.0053	86.26	85.79	34314

Node: NZA-E2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4500	19602
8.00	1.4400	62726

Comment: AS-BUILT STRUCTURE EX-180

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E2	005Yr-001Hr	4.24	3.57	0.0002	15.23	15.23	100
NZA-E2	005Yr-024Hr	4.24	4.16	-0.0008	20.40	19.01	16545
NZA-E2	010Yr-024Hr	4.24	4.63	-0.0020	32.40	30.53	24058
NZA-E2	025Yr-072Hr	4.24	4.84	-0.0028	38.67	36.19	26447
NZA-E2	100Yr-072Hr	4.24	5.23	-0.0029	47.65	42.89	30987

Node: NZA-E3

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.15	0.0001	4
4.65	0.4600	20038
8.00	1.4500	63162

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E3	005Yr-001Hr	4.65	3.90	0.0003	12.94	12.92	100
NZA-E3	005Yr-024Hr	4.65	4.42	-0.0004	17.63	17.17	10970
NZA-E3	010Yr-024Hr	4.65	4.77	-0.0004	27.46	25.26	21535
NZA-E3	025Yr-072Hr	4.65	4.97	-0.0005	35.22	29.45	24220
NZA-E3	100Yr-072Hr	4.65	5.39	-0.0005	43.60	35.18	29615

Node: NZA-E4

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.4600	20038
8.00	1.4900	64904

Comment: AS-BUILT STRUCTURE EX-191

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E4	005Yr-001Hr	4.46	4.30	0.0016	11.58	6.91	13723
NZA-E4	005Yr-024Hr	4.46	4.61	-0.0022	12.43	11.56	21926
NZA-E4	010Yr-024Hr	4.46	4.79	-0.0019	19.18	17.92	24288
NZA-E4	025Yr-072Hr	4.46	5.09	-0.0020	27.51	23.89	28024
NZA-E4	100Yr-072Hr	4.46	5.58	-0.0041	32.29	27.70	34254

Node: NZA-E5

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.59 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.09	0.0001	4
4.59	0.4600	20038
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE DI91

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E5	005Yr-001Hr	4.59	4.30	0.0018	7.10	8.73	8585
NZA-E5	005Yr-024Hr	4.59	4.61	-0.0021	8.54	11.03	20335
NZA-E5	010Yr-024Hr	4.59	4.80	-0.0020	11.91	11.24	22856
NZA-E5	025Yr-072Hr	4.59	5.09	-0.0022	19.49	16.06	26808
NZA-E5	100Yr-072Hr	4.59	5.59	0.0043	22.41	20.22	33466

Node: NZA-E6

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.72	0.0001	4
4.22	0.4700	20473
8.00	1.4700	64033

Comment: AS-BUILT STRUCTURE EX-CA91

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E6	005Yr-001Hr	4.22	4.27	0.0005	11.05	7.28	21010
NZA-E6	005Yr-024Hr	4.22	4.61	-0.0015	12.78	7.59	25007
NZA-E6	010Yr-024Hr	4.22	4.80	-0.0014	15.33	8.32	27195
NZA-E6	025Yr-072Hr	4.22	5.11	-0.0015	16.91	10.95	30722
NZA-E6	100Yr-072Hr	4.22	5.62	-0.0015	19.45	12.82	36572

Node: NZA-E7

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.06 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.56	0.0001	4
4.06	0.4500	19602
8.00	1.3500	58806

Comment: AS-BUILT STRUCTURE EX-215

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E7	005Yr-001Hr	4.06	4.26	0.0005	14.03	3.68	21582
NZA-E7	005Yr-024Hr	4.06	4.61	-0.0053	15.37	10.61	25032
NZA-E7	010Yr-024Hr	4.06	4.80	-0.0047	17.53	15.40	26973
NZA-E7	025Yr-072Hr	4.06	5.11	-0.0052	21.63	17.98	30075
NZA-E7	100Yr-072Hr	4.06	5.62	-0.0050	29.02	20.68	35142

Node: NZA-E8

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4500	19602
8.00	1.3300	57935

Comment: AS-BUILT STRUCTURE EX-AB91

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E8	005Yr-001Hr	4.00	1.74	-0.0072	13.60	15.10	100
NZA-E8	005Yr-024Hr	4.00	3.36	-0.0079	28.35	28.49	100
NZA-E8	010Yr-024Hr	4.00	4.80	-0.0079	43.18	33.49	27252
NZA-E8	025Yr-072Hr	4.00	5.11	-0.0081	53.15	33.48	30236
NZA-E8	100Yr-072Hr	4.00	5.62	-0.0089	65.08	33.68	35116

Node: NZA-E9

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E9	005Yr-001Hr	8.00	1.72	-0.0080	23.04	24.76	100
NZA-E9	005Yr-024Hr	8.00	3.30	0.0083	27.07	26.88	100
NZA-E9	010Yr-024Hr	8.00	4.74	-0.0081	28.52	27.61	100
NZA-E9	025Yr-072Hr	8.00	5.05	-0.0081	28.68	27.69	100
NZA-E9	100Yr-072Hr	8.00	5.55	-0.0083	28.95	27.83	100

Node: NZA-F1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 2.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
2.41	0.0001	4
2.91	0.4700	20473
8.00	1.3100	57064

Comment: AS-BUILT STRUCTURE EX-114

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F1	005Yr-001Hr	2.91	2.99	0.0003	8.05	2.66	21088
NZA-F1	005Yr-024Hr	2.91	3.44	-0.0006	9.44	6.28	24333
NZA-F1	010Yr-024Hr	2.91	4.16	-0.0006	12.83	8.37	29471
NZA-F1	025Yr-072Hr	2.91	4.65	-0.0011	16.52	15.00	33009
NZA-F1	100Yr-072Hr	2.91	5.15	-0.0010	31.64	24.51	36600

Node: NZA-F2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.08 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.58	0.0001	4
4.08	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-119

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F2	005Yr-001Hr	4.08	3.83	0.0003	5.40	4.25	6696
NZA-F2	005Yr-024Hr	4.08	4.18	-0.0013	8.77	8.42	14252
NZA-F2	010Yr-024Hr	4.08	4.32	-0.0010	15.04	14.95	15306
NZA-F2	025Yr-072Hr	4.08	4.66	-0.0011	26.03	24.93	17850
NZA-F2	100Yr-072Hr	4.08	5.23	-0.0011	39.79	36.21	22081

Node: NZA-F3

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.96 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.46	0.0001	4
3.96	0.4200	18295
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 123

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F3	005Yr-001Hr	3.96	4.04	0.0005	6.45	1.80	19100
NZA-F3	005Yr-024Hr	3.96	4.40	-0.0016	7.76	5.11	23013
NZA-F3	010Yr-024Hr	3.96	4.55	-0.0016	11.68	11.50	24547
NZA-F3	025Yr-072Hr	3.96	4.71	-0.0016	21.46	20.98	26343
NZA-F3	100Yr-072Hr	3.96	5.45	-0.0013	39.17	28.92	34210

Node: NZA-F4

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.61 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.11	0.0001	4
3.61	0.4500	19602
8.00	1.4500	63162

Comment: EX.AS-BUILT STRUCTURE 126

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F4	005Yr-001Hr	3.61	3.82	0.0006	7.80	1.02	21715
NZA-F4	005Yr-024Hr	3.61	4.86	0.0001	9.12	2.73	31990
NZA-F4	010Yr-024Hr	3.61	5.00	0.0001	12.26	6.99	33361
NZA-F4	025Yr-072Hr	3.61	5.15	0.0001	16.66	16.37	34860
NZA-F4	100Yr-072Hr	3.61	5.58	0.0001	35.21	30.02	39170

Node: NZA-F5

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.38	0.0001	4
3.88	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 131

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F5	005Yr-001Hr	3.88	3.94	0.0006	6.95	2.17	20220
NZA-F5	005Yr-024Hr	3.88	4.88	0.0001	8.29	2.60	29738
NZA-F5	010Yr-024Hr	3.88	5.12	0.0001	11.73	4.92	32169
NZA-F5	025Yr-072Hr	3.88	5.31	0.0001	13.82	9.69	34116
NZA-F5	100Yr-072Hr	3.88	5.68	0.0001	25.21	22.58	37910

Node: NZA-F6

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.15	0.0001	4
3.65	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 135

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F6	005Yr-001Hr	3.65	3.95	0.0006	8.05	0.98	22458
NZA-F6	005Yr-024Hr	3.65	4.85	0.0001	9.04	5.11	31109
NZA-F6	010Yr-024Hr	3.65	5.12	0.0001	16.01	8.19	33693
NZA-F6	025Yr-072Hr	3.65	5.32	0.0001	15.81	10.19	35617
NZA-F6	100Yr-072Hr	3.65	5.71	0.0001	23.67	13.85	39448

Node: NZA-F7

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.29 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.79	0.0001	4
4.29	0.4400	19166
8.00	1.4700	64033

Comment: EX.AS-BUILT STRUCTURE 141

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F7	005Yr-001Hr	4.29	4.24	0.0005	6.62	3.18	17403
NZA-F7	005Yr-024Hr	4.29	4.84	-0.0004	7.97	7.84	25778
NZA-F7	010Yr-024Hr	4.29	5.11	-0.0003	14.19	13.17	29109
NZA-F7	025Yr-072Hr	4.29	5.31	-0.0002	19.07	15.43	31534
NZA-F7	100Yr-072Hr	4.29	5.72	0.0001	30.38	19.99	36442

Node: NZA-F8

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.4400	19166
8.00	1.4600	63598

Comment: EX.AS-BUILT STRUCTURE 142

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F8	005Yr-001Hr	4.44	4.03	0.0002	7.71	7.67	3552
NZA-F8	005Yr-024Hr	4.44	4.74	0.0001	10.67	11.46	22983
NZA-F8	010Yr-024Hr	4.44	5.09	0.0001	18.45	17.54	27361
NZA-F8	025Yr-072Hr	4.44	5.29	0.0002	24.39	18.48	29812
NZA-F8	100Yr-072Hr	4.44	5.71	0.0001	38.36	25.98	35084

Node: NZA-F9

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.27 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.77	0.0001	4
4.27	0.3600	15682
8.00	1.1200	48787

Comment: EX.AS-BUILT STRUCTURE 148

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F9	005Yr-001Hr	4.27	2.13	-0.0023	7.84	7.99	100
NZA-F9	005Yr-024Hr	4.27	3.61	-0.0023	8.80	8.77	100
NZA-F9	010Yr-024Hr	4.27	5.09	-0.0113	16.71	18.40	22991
NZA-F9	025Yr-072Hr	4.27	5.29	-0.0126	25.84	19.27	24736
NZA-F9	100Yr-072Hr	4.27	5.72	-0.0127	38.84	19.08	28521

Node: NZA-G1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.81 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.31	0.0001	4
3.81	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-166

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G1	005Yr-001Hr	3.81	3.00	-0.0006	3.59	3.69	100
NZA-G1	005Yr-024Hr	3.81	3.43	-0.0009	4.34	4.43	3194
NZA-G1	010Yr-024Hr	3.81	4.14	-0.0009	5.99	5.98	15788
NZA-G1	025Yr-072Hr	3.81	4.65	-0.0009	9.85	9.14	19349
NZA-G1	100Yr-072Hr	3.81	5.16	-0.0009	16.37	8.84	22885

Node: NZA-G2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.6800	29621
8.00	2.2400	97574

Comment: EX.AS-BUILT STRUCTURE 108

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G2	005Yr-001Hr	4.00	2.78	-0.0042	24.73	26.13	100
NZA-G2	005Yr-024Hr	4.00	3.10	-0.0043	28.33	29.32	100
NZA-G2	010Yr-024Hr	4.00	3.81	-0.0043	37.65	37.71	18098
NZA-G2	025Yr-072Hr	4.00	4.63	-0.0078	51.94	49.68	40304
NZA-G2	100Yr-072Hr	4.00	5.16	-0.0062	72.70	56.61	49305

Node: NZA-G3

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.20 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.70	0.0001	4
4.20	0.4000	17424
8.00	1.2500	54450

Comment: EX.AS-BUILT STRUCTURE 105

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G3	005Yr-001Hr	4.20	3.64	-0.0025	14.28	14.47	100
NZA-G3	005Yr-024Hr	4.20	3.94	-0.0027	15.90	15.32	8475
NZA-G3	010Yr-024Hr	4.20	4.37	-0.0027	18.97	18.52	19073
NZA-G3	025Yr-072Hr	4.20	4.78	-0.0041	29.30	28.04	23047
NZA-G3	100Yr-072Hr	4.20	5.40	-0.0042	49.21	37.99	29171

Node: NZA-G4

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3800	16553
8.00	0.9600	41818

Comment: EX.AS-BUILT STRUCTURE 101

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G4	005Yr-001Hr	4.80	3.96	0.0003	8.88	8.91	506
NZA-G4	005Yr-024Hr	4.80	4.32	-0.0008	9.93	9.99	649
NZA-G4	010Yr-024Hr	4.80	4.87	-0.0009	14.06	13.91	17139
NZA-G4	025Yr-072Hr	4.80	5.10	-0.0012	23.45	23.11	18940
NZA-G4	100Yr-072Hr	4.80	5.57	-0.0013	38.39	36.14	22657

Node: NZA-G5

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.3900	16988
8.00	1.1100	48352

Comment: EX.AS-BUILT STRUCTURE 95

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G5	005Yr-001Hr	4.46	4.24	0.0003	5.59	4.42	9573
NZA-G5	005Yr-024Hr	4.46	4.74	-0.0035	8.62	7.17	19507
NZA-G5	010Yr-024Hr	4.46	5.06	-0.0039	12.10	9.53	22338
NZA-G5	025Yr-072Hr	4.46	5.21	-0.0040	16.42	16.25	23649
NZA-G5	100Yr-072Hr	4.46	5.65	-0.0040	25.89	22.24	27535

Node: NZA-G6

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.42 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.92	0.0001	4
4.42	0.3600	15682
8.00	1.1400	49658

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G6	005Yr-001Hr	4.42	4.25	0.0002	4.76	3.41	10327
NZA-G6	005Yr-024Hr	4.42	4.75	-0.0007	7.59	4.68	18792
NZA-G6	010Yr-024Hr	4.42	5.07	-0.0007	11.22	5.60	21888
NZA-G6	025Yr-072Hr	4.42	5.25	-0.0009	13.16	11.38	23602
NZA-G6	100Yr-072Hr	4.42	5.69	-0.0008	18.82	13.92	27737

Node: NZA-G7

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.19 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.69	0.0001	4
4.19	0.4600	20038
8.00	1.5200	66211

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G7	005Yr-001Hr	4.19	4.38	0.0009	7.07	0.00	22304
NZA-G7	005Yr-024Hr	4.19	4.75	0.0001	8.50	8.01	26806
NZA-G7	010Yr-024Hr	4.19	5.08	0.0001	15.11	11.00	30772
NZA-G7	025Yr-072Hr	4.19	5.27	0.0001	18.28	12.21	33108
NZA-G7	100Yr-072Hr	4.19	5.70	0.0001	21.53	12.73	38335

Node: NZA-G8

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.3300	14375
8.00	0.9800	42689

Comment: EX.AS-BUILT STRUCTURE 80

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G8	005Yr-001Hr	4.18	4.03	0.0002	18.16	14.96	10073
NZA-G8	005Yr-024Hr	4.18	4.74	0.0001	21.11	16.33	18554
NZA-G8	010Yr-024Hr	4.18	5.07	0.0001	26.78	24.18	21028
NZA-G8	025Yr-072Hr	4.18	5.27	-0.0002	31.05	28.88	22498
NZA-G8	100Yr-072Hr	4.18	5.70	-0.0001	39.36	31.43	25663

Node: NZA-G9

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.84 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.34	0.0001	4
4.84	0.4100	17860
8.00	1.3500	58806

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G9	005Yr-001Hr	4.84	4.47	0.0002	8.20	7.01	4486
NZA-G9	005Yr-024Hr	4.84	4.77	-0.0004	8.88	7.53	15206
NZA-G9	010Yr-024Hr	4.84	5.07	0.0002	13.18	10.52	20897
NZA-G9	025Yr-072Hr	4.84	5.28	0.0002	15.67	12.36	23523
NZA-G9	100Yr-072Hr	4.84	5.71	-0.0002	19.45	13.29	29095

Node: NZA-I1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.72 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.22	0.0001	4
3.72	0.2300	10019
8.00	2.0000	87120

Comment: As-built Structure EX-2011

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I1	005Yr-001Hr	3.72	2.45	-0.0012	6.75	6.68	100
NZA-I1	005Yr-024Hr	3.72	2.74	-0.0013	14.41	14.36	100
NZA-I1	010Yr-024Hr	3.72	3.23	-0.0013	22.12	22.12	137
NZA-I1	025Yr-072Hr	3.72	4.35	-0.0064	30.54	27.56	21291
NZA-I1	100Yr-072Hr	3.72	5.11	-0.0113	44.43	32.94	35051

Node: NZA-I2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.95	0.2900	12632
8.00	0.9600	41818

Comment: As-built Structure EX-2013

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I2	005Yr-001Hr	3.95	3.82	0.0004	3.72	1.70	9621
NZA-I2	005Yr-024Hr	3.95	4.28	-0.0012	9.98	9.70	15042
NZA-I2	010Yr-024Hr	3.95	4.41	-0.0013	16.23	15.83	15926
NZA-I2	025Yr-072Hr	3.95	4.49	-0.0012	20.91	20.45	16518
NZA-I2	100Yr-072Hr	3.95	5.22	-0.0010	29.67	29.26	21778

Node: NZA-I3

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.49 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.99	0.0001	4
4.49	0.3300	14375
8.00	1.0900	47480

Comment: As-built Structure EX-2071

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I3	005Yr-001Hr	4.49	4.53	0.0007	4.06	1.16	14717
NZA-I3	005Yr-024Hr	4.49	4.78	-0.0006	6.97	6.77	17109
NZA-I3	010Yr-024Hr	4.49	4.87	-0.0006	11.41	11.05	17944
NZA-I3	025Yr-072Hr	4.49	4.93	-0.0004	14.68	14.21	18492
NZA-I3	100Yr-072Hr	4.49	5.29	-0.0004	22.95	21.61	21949

Node: NZA-I4

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.93	0.0001	4
4.43	0.3000	13068
8.00	1.0800	47045

Comment: As-built Structure EX-2021

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I4	005Yr-001Hr	4.43	4.52	0.0007	4.54	1.29	13960
NZA-I4	005Yr-024Hr	4.43	4.78	-0.0009	5.12	3.50	16436
NZA-I4	010Yr-024Hr	4.43	4.87	-0.0008	6.99	5.61	17282
NZA-I4	025Yr-072Hr	4.43	4.93	-0.0006	8.55	7.28	17838
NZA-I4	100Yr-072Hr	4.43	5.32	-0.0006	17.07	14.94	21575

Node: NZA-I5

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.41 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.91	0.0001	4
4.41	0.3300	14375
8.00	1.3300	57935

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I5	005Yr-001Hr	4.41	4.41	0.0006	5.57	2.49	14334
NZA-I5	005Yr-024Hr	4.41	4.79	-0.0004	6.59	3.73	18959
NZA-I5	010Yr-024Hr	4.41	4.87	-0.0004	8.64	6.26	19998
NZA-I5	025Yr-072Hr	4.41	4.98	-0.0004	10.49	8.47	21275
NZA-I5	100Yr-072Hr	4.41	5.33	0.0003	14.06	12.68	25498

Node: NZA-I6

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	1.0300	44867
8.00	2.2800	99317

Comment: EX.AS-BUILT STRUCTURE 2025

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I6	005Yr-001Hr	4.24	3.60	0.0002	25.22	25.19	100
NZA-I6	005Yr-024Hr	4.24	4.14	0.0009	32.53	30.22	35796
NZA-I6	010Yr-024Hr	4.24	4.76	0.0009	44.91	35.17	52469
NZA-I6	025Yr-072Hr	4.24	4.98	0.0010	54.95	36.71	55551
NZA-I6	100Yr-072Hr	4.24	5.33	0.0009	69.90	41.31	60655

Node: NZA-I7

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4700	20473
8.00	1.4300	62291

Comment: EX.AS-BUILT STRUCTURE 36

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I7	005Yr-001Hr	3.56	3.80	0.0002	27.47	19.43	22775
NZA-I7	005Yr-024Hr	3.56	4.49	0.0009	30.95	26.02	29276
NZA-I7	010Yr-024Hr	3.56	4.98	0.0009	41.50	35.09	33868
NZA-I7	025Yr-072Hr	3.56	5.20	0.0009	52.24	41.00	35942
NZA-I7	100Yr-072Hr	3.56	5.62	0.0009	67.76	47.16	39889

Node: NZA-I8

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.51 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.01	0.0001	4
4.51	0.4200	18295
8.00	1.3600	59242

Comment: EX.AS-BUILT STRUCTURE 42

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I8	005Yr-001Hr	4.51	4.46	0.0005	10.60	5.83	16343
NZA-I8	005Yr-024Hr	4.51	4.75	-0.0005	11.10	8.62	21133
NZA-I8	010Yr-024Hr	4.51	4.98	-0.0006	15.06	13.14	23835
NZA-I8	025Yr-072Hr	4.51	5.21	-0.0006	18.66	16.44	26520
NZA-I8	100Yr-072Hr	4.51	5.63	-0.0004	26.04	20.47	31467

Node: NZA-PS-7

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0020	87
3.50	0.0020	87

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS-7	005Yr-001Hr	8.00	1.70	0.0225	24.76	26.70	100
NZA-PS-7	005Yr-024Hr	8.00	3.20	0.0244	26.88	26.70	100
NZA-PS-7	010Yr-024Hr	8.00	4.64	0.0244	27.61	26.70	100
NZA-PS-7	025Yr-072Hr	8.00	4.95	0.0244	27.69	26.70	100
NZA-PS-7	100Yr-072Hr	8.00	5.45	0.0243	27.83	26.70	100

Node: NZA-PS-8

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0020	87
3.50	0.0020	87

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS-8	005Yr-001Hr	8.00	1.70	-0.0355	27.33	44.64	100
NZA-PS-8	005Yr-024Hr	8.00	2.16	0.0429	44.78	44.64	100
NZA-PS-8	010Yr-024Hr	8.00	4.16	0.0427	45.57	44.64	100
NZA-PS-8	025Yr-072Hr	8.00	4.52	0.0429	45.67	44.64	100
NZA-PS-8	100Yr-072Hr	8.00	5.02	0.0429	45.82	44.64	100

Node: NZA-PS0

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0050	218

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS0	005Yr-001Hr	8.00	1.70	-0.0138	11.13	14.20	100
NZA-PS0	005Yr-024Hr	8.00	3.51	-0.0142	15.03	14.20	218
NZA-PS0	010Yr-024Hr	8.00	4.15	-0.0142	15.31	14.20	218
NZA-PS0	025Yr-072Hr	8.00	4.29	-0.0142	15.49	14.20	218
NZA-PS0	100Yr-072Hr	8.00	4.68	-0.0142	15.56	14.20	218

Node: NZA-PS1

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS1	005Yr-001Hr	8.00	2.00	-0.0208	35.25	39.60	100
NZA-PS1	005Yr-024Hr	8.00	2.00	0.0230	37.33	39.60	100
NZA-PS1	010Yr-024Hr	8.00	2.00	0.0246	39.72	39.60	100
NZA-PS1	025Yr-072Hr	8.00	2.21	0.0244	39.75	39.60	100
NZA-PS1	100Yr-072Hr	8.00	2.39	0.0247	39.79	39.60	101

Node: NZA-PS2

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS2	005Yr-001Hr	8.00	2.00	-0.0155	28.25	33.00	121
NZA-PS2	005Yr-024Hr	8.00	2.00	0.0164	29.83	33.00	122
NZA-PS2	010Yr-024Hr	8.00	2.00	0.0205	33.08	33.00	122
NZA-PS2	025Yr-072Hr	8.00	2.17	0.0200	33.09	33.00	154
NZA-PS2	100Yr-072Hr	8.00	2.32	0.0200	33.10	33.00	184

Node: NZA-PS3

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100

Node: NZA-S-106

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
4.49	0.0070	305

Comment: FDOT PUMP STATION

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-106	005Yr-001Hr	8.00	2.00	-0.0113	17.67	42.88	768
NZA-S-106	005Yr-024Hr	8.00	2.00	-0.0117	20.81	42.88	768

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-106	010Yr-024Hr	8.00	2.00	-0.0119	23.11	44.42	768
NZA-S-106	025Yr-072Hr	8.00	2.00	-0.0120	26.37	46.48	768
NZA-S-106	100Yr-072Hr	8.00	2.00	-0.0120	32.46	50.73	768

Node: NZA-S-77

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-77	005Yr-001Hr	8.00	1.82	0.0000	0.28	0.06	1294
NZA-S-77	005Yr-024Hr	8.00	2.00	0.0000	0.26	0.28	1692
NZA-S-77	010Yr-024Hr	8.00	2.86	0.0002	2.28	1.63	2064
NZA-S-77	025Yr-072Hr	8.00	3.85	0.0003	4.10	1.22	1952
NZA-S-77	100Yr-072Hr	8.00	4.53	0.0004	6.42	3.17	2012

Node: NZA-S-82

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
0.00	0.0070	305

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-82	005Yr-001Hr	8.00	2.00	-0.0030	28.88	43.16	1715
NZA-S-82	005Yr-024Hr	8.00	2.00	-0.0030	34.79	43.14	1779
NZA-S-82	010Yr-024Hr	8.00	2.86	-0.0030	46.78	45.16	1893
NZA-S-82	025Yr-072Hr	8.00	3.85	0.0030	49.75	46.98	1888
NZA-S-82	100Yr-072Hr	8.00	4.53	-0.0030	53.36	49.30	1894

Node: NZA-S101

Scenario: OPTION 7
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S101	005Yr-001Hr	8.00	2.00	-0.0080	1.70	14.43	181
NZA-S101	005Yr-024Hr	8.00	2.00	-0.0081	3.99	14.75	181
NZA-S101	010Yr-024Hr	8.00	2.00	-0.0081	4.76	14.73	181
NZA-S101	025Yr-072Hr	8.00	2.00	-0.0082	6.12	14.77	181
NZA-S101	100Yr-072Hr	8.00	2.00	-0.0082	9.39	14.76	181

Node: OUTFALL (88th)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.20 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.20
0	0	0	99999.0000	1.20

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (88th)	005Yr-001Hr	8.00	1.20	0.0000	6.67	0.00	0
OUTFALL (88th)	005Yr-024Hr	8.00	1.20	0.0000	14.35	0.00	0
OUTFALL (88th)	010Yr-024Hr	8.00	1.20	0.0000	22.12	0.00	0
OUTFALL (88th)	025Yr-072Hr	8.00	1.20	0.0000	27.56	0.00	0
OUTFALL (88th)	100Yr-072Hr	8.00	1.20	0.0000	32.94	0.00	0

Node: OUTFALL (89th)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (89th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(89th)							
OUTFALL (89th)	010Yr-024Hr	8.00	1.60	0.0000	0.02	0.00	0
OUTFALL (89th)	025Yr-072Hr	8.00	1.60	0.0000	2.06	0.00	0
OUTFALL (89th)	100Yr-072Hr	8.00	1.60	0.0000	8.43	0.00	0

Node: OUTFALL (91st) - A

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - A	005Yr-001Hr	8.00	1.60	0.0000	12.49	0.00	0
OUTFALL (91st) - A	005Yr-024Hr	8.00	1.60	0.0000	15.25	0.00	0
OUTFALL (91st) - A	010Yr-024Hr	8.00	1.60	0.0000	30.46	0.00	0
OUTFALL (91st) - A	025Yr-072Hr	8.00	1.60	0.0000	37.06	0.00	0
OUTFALL (91st) - A	100Yr-072Hr	8.00	1.60	0.0000	48.77	0.00	0

Node: OUTFALL (91st) - B

Scenario: OPTION 7

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - B	005Yr-001Hr	8.00	1.60	0.0000	12.36	0.00	0
OUTFALL (91st) - B	005Yr-024Hr	8.00	1.60	0.0000	14.40	0.00	0
OUTFALL (91st) - B	010Yr-024Hr	8.00	1.60	0.0000	22.14	0.00	0
OUTFALL (91st) - B	025Yr-072Hr	8.00	1.60	0.0000	25.88	0.00	0
OUTFALL (91st) - B	100Yr-072Hr	8.00	1.60	0.0000	37.01	0.00	0

Node: OUTFALL (92nd)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (92nd)	005Yr-001Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	005Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	010Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	025Yr-072Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	100Yr-072Hr	8.00	1.60	0.0000	16.49	0.00	0

Node: OUTFALL (94th)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.09	0.00	0
OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	5.99	0.00	0
OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	36.49	0.00	0

Node: OUTFALL (95th)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (95th)	005Yr-001Hr	8.00	1.60	0.0000	6.56	0.00	0
OUTFALL (95th)	005Yr-024Hr	8.00	1.60	0.0000	8.12	0.00	0
OUTFALL (95th)	010Yr-024Hr	8.00	1.60	0.0000	21.66	0.00	0
OUTFALL (95th)	025Yr-072Hr	8.00	1.60	0.0000	34.27	0.00	0
OUTFALL (95th)	100Yr-072Hr	8.00	1.60	0.0000	46.89	0.00	0

Node: OUTFALL (96th)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (96th)	005Yr-001Hr	8.00	1.60	0.0000	11.20	0.00	0
OUTFALL (96th)	005Yr-024Hr	8.00	1.60	0.0000	13.26	0.00	0
OUTFALL (96th)	010Yr-024Hr	8.00	1.60	0.0000	17.48	0.00	0
OUTFALL (96th)	025Yr-072Hr	8.00	1.60	0.0000	19.99	0.00	0
OUTFALL (96th)	100Yr-072Hr	8.00	1.60	0.0000	24.33	0.00	0

Node: OUTFALL (CARLYLE)

Scenario: OPTION 7
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [OPTION 7]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	25.18	0.00	0
OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	30.25	0.00	0
OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	35.20	0.00	0
OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	36.73	0.00	0
OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	39.14	0.00	0

Drop Structure Link: CS-01		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-1.83 ft	Invert:	-1.20 ft
From Node:	NZA-CS-01	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	175.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-01 - Pipe	005Yr-001Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-001Hr	0.03	0.00	0.02	0.00	0.00	0.00
CS-01 - Pipe	005Yr-024Hr	0.04	0.00	0.04	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-024Hr	0.04	0.00	0.04	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-01 - Pipe	010Yr-024Hr	0.09	0.00	0.06	0.00	0.00	0.00
CS-01 - Weir: 1	010Yr-024Hr	0.09	0.00	0.05	0.00	0.00	0.00
CS-01 - Pipe	025Yr-072Hr	2.65	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	025Yr-072Hr	2.65	0.00	0.05	1.57	1.57	1.57
CS-01 - Pipe	100Yr-072Hr	6.16	0.00	0.04	0.00	0.00	0.00
CS-01 - Weir: 1	100Yr-072Hr	6.16	0.00	0.04	2.08	2.08	2.08

Drop Structure Link: CS-02		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-2.30 ft	Invert:	-1.20 ft
From Node:	NZA-CS-02	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	80.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Pipe	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Pipe	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Pipe	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Pipe	025Yr-072Hr	1.90	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	025Yr-072Hr	1.90	0.00	0.04	1.41	1.41	1.41
CS-02 - Pipe	100Yr-072Hr	4.52	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	100Yr-072Hr	4.53	0.00	0.04	1.88	1.88	1.88

Drop Structure Link: CS-03		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-4.50 ft	Invert:	-4.70 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	60.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft

Weir Flow Direction:	Positive		
Damping:	0.0000 ft	Op Table:	
Weir Type:	Sharp Crested Vertical	Ref Node:	
Geometry Type:	Rectangular	Top Clip	
Invert:	2.00 ft	Default:	0.00 ft
Control Elevation:	2.00 ft	Op Table:	
Max Depth:	0.75 ft	Ref Node:	
Max Width:	7.00 ft	Discharge Coefficients	
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-03 - Pipe	005Yr-001Hr	25.17	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-001Hr	25.17	0.00	0.01	4.79	4.79	4.79
CS-03 - Pipe	005Yr-024Hr	30.22	0.00	0.00	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-024Hr	30.22	0.00	0.00	5.76	5.76	5.76
CS-03 - Pipe	010Yr-024Hr	35.17	0.00	-0.01	0.00	0.00	0.00
CS-03 - Weir: 1	010Yr-024Hr	35.17	0.00	0.00	6.70	6.70	6.70
CS-03 - Pipe	025Yr-072Hr	36.71	0.00	-0.01	0.00	0.00	0.00
CS-03 - Weir: 1	025Yr-072Hr	36.71	0.00	0.01	6.99	6.99	6.99
CS-03 - Pipe	100Yr-072Hr	39.12	0.00	-0.01	0.00	0.00	0.00
CS-03 - Weir: 1	100Yr-072Hr	39.12	0.00	0.01	7.45	7.45	7.45

Drop Structure Link: CS-04		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-CS-04	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (95th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	

Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	181.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-04 - Pipe	005Yr-001Hr	6.56	0.00	0.00	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-001Hr	6.56	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	005Yr-024Hr	8.12	0.00	-0.01	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-024Hr	8.12	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	010Yr-024Hr	9.06	0.00	-0.01	0.00	0.00	0.00
CS-04 - Weir: 1	010Yr-024Hr	9.06	0.00	-0.01	2.00	2.00	2.00
CS-04 - Pipe	025Yr-072Hr	9.41	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	025Yr-072Hr	9.41	0.00	-0.04	2.00	2.00	2.00
CS-04 - Pipe	100Yr-072Hr	9.76	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	100Yr-072Hr	9.76	0.00	0.04	2.00	2.00	2.00

Drop Structure Link: CS-05		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-2.33 ft	Invert:	1.21 ft
From Node:	NZA-CS-05	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS0	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.10 ft	Ref Node:	
Control Elevation:	2.10 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-05 - Pipe	005Yr-001Hr	11.13	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-001Hr	11.13	0.00	0.00	2.12	2.12	2.12
CS-05 - Pipe	005Yr-024Hr	15.03	0.00	-0.01	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-024Hr	15.03	0.00	-0.01	2.86	2.86	2.86

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-05 - Pipe	010Yr-024Hr	15.31	0.00	-0.02	0.00	0.00	0.00
CS-05 - Weir: 1	010Yr-024Hr	15.31	0.00	-0.01	2.92	2.92	2.92
CS-05 - Pipe	025Yr-072Hr	15.49	0.00	-0.02	0.00	0.00	0.00
CS-05 - Weir: 1	025Yr-072Hr	15.49	0.00	-0.02	2.95	2.95	2.95
CS-05 - Pipe	100Yr-072Hr	15.56	0.00	-0.02	0.00	0.00	0.00
CS-05 - Weir: 1	100Yr-072Hr	15.56	0.00	-0.02	2.96	2.96	2.96

Drop Structure Link: CS-06(R3)		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-1.88 ft	Invert:	-2.30 ft
From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	153.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	005Yr-001Hr	12.49	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-001Hr	12.50	0.00	0.00	2.63	2.63	2.63
CS-06(R3) - Pipe	005Yr-024Hr	15.25	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-024Hr	15.25	0.00	0.00	2.90	2.90	2.90
CS-06(R3) - Pipe	010Yr-024Hr	30.46	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	010Yr-024Hr	30.47	0.00	-0.01	5.80	5.80	5.80
CS-06(R3) - Pipe	025Yr-072Hr	37.06	0.00	-0.04	0.00	0.00	0.00
CS-06(R3) - Weir: 1	025Yr-072Hr	37.06	0.00	-0.03	7.06	7.06	7.06
CS-06(R3) - Pipe	100Yr-072Hr	39.00	0.00	-0.05	0.00	0.00	0.00
CS-06(R3) - Weir: 1	100Yr-072Hr	39.00	0.00	-0.06	7.43	7.43	7.43

Drop Structure Link: CS-07		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-2.19 ft	Invert:	-2.90 ft
From Node:	NZA-E1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (91st) - B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	213.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-07 - Pipe	005Yr-001Hr	12.36	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-001Hr	12.36	0.00	0.00	2.61	2.61	2.61
CS-07 - Pipe	005Yr-024Hr	14.40	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-024Hr	14.40	0.00	0.00	2.74	2.74	2.74
CS-07 - Pipe	010Yr-024Hr	22.14	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	010Yr-024Hr	22.14	0.00	0.00	4.22	4.22	4.22
CS-07 - Pipe	025Yr-072Hr	25.88	0.00	-0.02	0.00	0.00	0.00
CS-07 - Weir: 1	025Yr-072Hr	25.88	0.00	-0.02	4.93	4.93	4.93
CS-07 - Pipe	100Yr-072Hr	27.24	0.00	-0.02	0.00	0.00	0.00
CS-07 - Weir: 1	100Yr-072Hr	27.24	0.00	-0.03	5.19	5.19	5.19

Drop Structure Link: CS-08		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-1.58 ft	Invert:	-1.58 ft
From Node:	NZA-I1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (88th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Flow Direction:	Both
Solution:	Combine
Increments:	0
Pipe Count:	1
Damping:	0.0000 ft
Length:	15.00 ft
FHWA Code:	0
Entr Loss Coef:	0.00
Exit Loss Coef:	0.00
Bend Loss Coef:	0.00
Bend Location:	0.00 dec
Energy Switch:	Energy

Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	2.00 ft
Control Elevation:	2.00 ft
Max Depth:	0.75 ft
Max Width:	7.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-08 - Pipe	005Yr-001Hr	6.67	0.00	-0.01	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-001Hr	6.68	0.00	-0.01	2.14	2.14	2.14
CS-08 - Pipe	005Yr-024Hr	14.35	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-024Hr	14.36	0.00	-0.02	2.76	2.76	2.76
CS-08 - Pipe	010Yr-024Hr	22.12	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	010Yr-024Hr	22.12	0.00	-0.02	4.21	4.21	4.21
CS-08 - Pipe	025Yr-072Hr	27.56	0.00	-0.07	0.00	0.00	0.00
CS-08 - Weir:	025Yr-072Hr	27.56	0.00	-0.08	5.25	5.25	5.25

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
CS-08 - Pipe	100Yr-072Hr	30.73	0.00	-0.15	0.00	0.00	0.00
CS-08 - Weir: 1	100Yr-072Hr	30.73	0.00	-0.17	5.85	5.85	5.85

Drop Structure Link: CS-10		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-E9	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-CS-10	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	Discharge Coefficients	
Max Depth:	4.08 ft	Weir Default:	3.200
Max Width:	3.08 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment: MODIFY TYPE D STRUCTURE

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-10 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Drop Structure Link: CS-11		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-D8	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-CS-11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	0	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	20.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.00	Op Table:		Op Table:	
Exit Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft		

Control Elevation: 8.00 ft
Max Depth: 4.08 ft
Max Width: 3.08 ft
Fillet: 0.00 ft

Ref Node:

Discharge Coefficients

Weir Default: 3.200
Weir Table:
Orifice Default: 0.600
Orifice Table:

Weir Comment: MODIFIED TYPE "D" STRUCTURE

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-11 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: D-00

Scenario: OPTION 7
From Node: NZA-PS0
To Node: OUTFALL (92nd)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0004	1.70		1.60	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D-00	005Yr-001Hr	14.20	0.00	14.20	0.00	0.00	0.00
D-00	005Yr-024Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	010Yr-024Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	025Yr-072Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	100Yr-072Hr	14.20	0.00	-13.98	0.00	0.00	0.00

Rating Curve Link: DW 1-3

Scenario: OPTION 7
From Node: NZA-PS1
To Node: AQUIFER (94th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0001	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 1-3	005Yr-001Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	005Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	010Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	025Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	100Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00

Rating Curve Link: DW 4-6

Scenario: OPTION 7
From Node: NZA-PS2
To Node: AQUIFER (89th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0002	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 4-6	005Yr-001Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	005Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	010Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	025Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	100Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00

Rating Curve Link: DW 7-9

Scenario: OPTION 7
From Node: NZA-PS3
To Node: AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0003	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 7-9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: DW-10-13

Scenario: OPTION 7
From Node: NZA-PS-7
To Node: AQUIFER 91ST
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-PROPOSED-TEST	1.70		1.60	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW-10-13	005Yr-001Hr	26.70	0.00	26.70	0.00	0.00	0.00
DW-10-13	005Yr-024Hr	26.70	0.00	26.70	0.00	0.00	0.00
DW-10-13	010Yr-024Hr	26.70	0.00	26.70	0.00	0.00	0.00
DW-10-13	025Yr-072Hr	26.70	0.00	26.70	0.00	0.00	0.00
DW-10-13	100Yr-072Hr	26.70	0.00	26.70	0.00	0.00	0.00

Rating Curve Link: DW-13-16

Scenario: OPTION 7
From Node: NZA-PS-8
To Node: NTZ-0161
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-PROPOSED-92ND	1.70		1.60	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW-13-16	005Yr-001Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-13-16	005Yr-024Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-13-16	010Yr-024Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-13-16	025Yr-072Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-13-16	100Yr-072Hr	44.64	0.00	44.64	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S102-S105

Scenario: OPTION 7
From Node: NZA-S-82
To Node: FDOT AQUIFER (94TH)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-102, S-103, S-104, S-105

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S102-S105	005Yr-001Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	100Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S96-S99

Scenario: OPTION 7
From Node: NZA-S-106
To Node: FDOT AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-96, S-97, S-98, S-99

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S96-S99	005Yr-001Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	100Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00

Pipe Link: FDOT-P-2A-3A	Upstream	Downstream

Scenario:	OPTION 7	Invert:	-3.43 ft	Invert:	-2.16 ft
From Node:	FDOT-2A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	235.86 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT-P-2A-3A	005Yr-001Hr	3.73	-9.60	-4.15	-1.36	-1.36	-1.36
FDOT-P-2A-3A	005Yr-024Hr	5.01	-9.60	-4.15	-1.36	-1.36	-1.36
FDOT-P-2A-3A	010Yr-024Hr	4.71	-9.60	-4.15	-1.36	-1.36	-1.36
FDOT-P-2A-3A	025Yr-072Hr	5.81	-9.60	-4.15	-1.36	-1.36	-1.36
FDOT-P-2A-3A	100Yr-072Hr	12.49	-9.60	-4.15	1.77	1.77	1.77

Pipe Link: P-A1-A2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.61 ft	Invert:	-1.81 ft
From Node:	NZA-A2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	

	Manning's N:	0.0000	Manning's N: 0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-A2	005Yr-001Hr	4.81	-0.07	-0.06	3.92	3.92	3.92
P-A1-A2	005Yr-024Hr	6.22	-0.07	-0.06	5.06	5.06	5.06
P-A1-A2	010Yr-024Hr	6.20	-0.07	-0.06	5.05	5.05	5.05
P-A1-A2	025Yr-072Hr	6.19	-0.07	-0.06	5.04	5.04	5.04
P-A1-A2	100Yr-072Hr	6.19	-0.07	-0.06	5.04	5.04	5.04

Pipe Link: P-A1-B1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-4.90 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	490.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-B1	005Yr-001Hr	4.36	-0.01	0.13	2.47	2.47	2.47
P-A1-B1	005Yr-024Hr	6.89	-0.01	0.13	3.90	3.90	3.90
P-A1-B1	010Yr-024Hr	7.21	-0.01	0.13	4.08	4.08	4.08
P-A1-B1	025Yr-072Hr	7.17	-1.11	0.13	4.06	4.06	4.06
P-A1-B1	100Yr-072Hr	6.98	-1.68	0.13	3.95	3.95	3.95

Pipe Link: P-A1-CS-04		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.81 ft	Invert:	-2.00 ft
From Node:	NZA-A1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-04	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-CS-04	005Yr-001Hr	6.56	-0.42	-0.08	3.71	3.71	3.71
P-A1-CS-04	005Yr-024Hr	8.12	-0.67	-0.08	4.59	4.59	4.59
P-A1-CS-04	010Yr-024Hr	9.06	-0.67	-0.08	5.13	5.13	5.13
P-A1-CS-04	025Yr-072Hr	9.41	-0.69	-0.08	5.32	5.32	5.32
P-A1-CS-04	100Yr-072Hr	9.76	-0.69	-0.08	5.52	5.52	5.52

Pipe Link: P-A2-A3		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.54 ft	Invert:	-1.61 ft
From Node:	NZA-A3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A2-A3	005Yr-001Hr	2.75	-0.17	0.06	2.24	2.24	2.24
P-A2-A3	005Yr-024Hr	4.25	-0.17	0.06	3.46	3.46	3.46
P-A2-A3	010Yr-024Hr	4.23	-0.17	0.06	3.44	3.44	3.44
P-A2-A3	025Yr-072Hr	4.12	-0.17	0.06	3.36	3.36	3.36
P-A2-A3	100Yr-072Hr	4.00	-0.17	0.06	3.26	3.26	3.26

Pipe Link: P-A3-A4		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.08 ft	Invert:	-1.54 ft
From Node:	NZA-A4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	274.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A3-A4	005Yr-001Hr	1.05	-0.98	-0.05	0.85	0.85	0.85
P-A3-A4	005Yr-024Hr	2.97	-0.77	-0.06	2.42	2.42	2.42
P-A3-A4	010Yr-024Hr	2.87	-0.84	-0.06	2.34	2.34	2.34
P-A3-A4	025Yr-072Hr	2.70	-0.77	-0.06	2.20	2.20	2.20
P-A3-A4	100Yr-072Hr	2.50	-0.36	-0.06	2.04	2.04	2.04

Pipe Link: P-A4-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-0.82 ft	Invert:	-1.08 ft
From Node:	FDOT-1B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	229.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A4-FDOT1B	005Yr-001Hr	0.87	-0.70	0.02	1.59	1.59	1.59
P-A4-FDOT1B	005Yr-024Hr	0.81	-1.32	0.02	-2.43	-2.43	-2.43
P-A4-FDOT1B	010Yr-024Hr	0.78	-1.35	0.02	-2.47	-2.47	-2.47
P-A4-FDOT1B	025Yr-072Hr	0.67	-1.37	0.02	-2.51	-2.51	-2.51
P-A4-FDOT1B	100Yr-072Hr	0.67	-1.42	0.02	-2.60	-2.60	-2.60

Pipe Link: P-AA1-AA2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	117.80 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA1-AA2	005Yr-001Hr	9.04	0.00	0.00	2.41	2.58	2.50
P-AA1-AA2	005Yr-024Hr	10.66	0.00	0.00	2.58	2.75	2.66
P-AA1-AA2	010Yr-024Hr	13.97	0.00	0.01	2.88	3.06	2.97
P-AA1-AA2	025Yr-072Hr	15.97	0.00	0.01	3.06	3.25	3.15
P-AA1-AA2	100Yr-072Hr	19.40	0.00	0.02	3.34	3.54	3.44

Pipe Link: P-AA2-AA3		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	133.29 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA2-AA3	005Yr-001Hr	7.02	0.00	0.00	1.81	2.64	1.97
P-AA2-AA3	005Yr-024Hr	8.23	0.00	0.00	1.92	2.64	1.97
P-AA2-AA3	010Yr-024Hr	10.73	0.00	0.01	2.15	2.64	2.19
P-AA2-AA3	025Yr-072Hr	12.34	0.00	0.02	2.31	2.64	2.35
P-AA2-AA3	100Yr-072Hr	15.06	0.00	0.02	2.55	2.64	2.59

Pipe Link: P-AA3-AA4		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	0.00 ft	Invert:	0.00 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.03 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA3-AA4	005Yr-001Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	005Yr-024Hr	6.17	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	010Yr-024Hr	7.70	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	025Yr-072Hr	8.84	0.00	1.64	1.49	1.52	1.51
P-AA3-AA4	100Yr-072Hr	10.90	0.00	1.64	1.54	1.54	1.54

Pipe Link: P-AA4-AA5		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-AA5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	126.10 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA4-AA5	005Yr-001Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	005Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	010Yr-024Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	025Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88
P-AA4-AA5	100Yr-072Hr	0.00	-18.47	0.12	-3.92	-5.84	-4.88

Pipe Link: P-AA5-FDOT1B		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-1B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	626.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA5-FDOT1B	005Yr-001Hr	0.87	-1.32	0.00	-2.42	3.23	-2.42
P-AA5-FDOT1B	005Yr-024Hr	0.87	-1.33	0.00	-2.44	3.23	-2.46
P-AA5-FDOT1B	010Yr-024Hr	0.87	-1.32	0.00	-2.42	3.23	-2.43
P-AA5-FDOT1B	025Yr-072Hr	0.87	-1.30	0.00	-2.39	3.23	2.42
P-AA5-FDOT1B	100Yr-072Hr	0.87	-1.44	0.00	-2.64	3.23	-2.64

Pipe Link: P-AA7-A4	Upstream	Downstream

Scenario:	OPTION 7	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA7-A4	005Yr-001Hr	0.00	-3.19	-0.01	-2.60	-2.60	-2.60
P-AA7-A4	005Yr-024Hr	2.68	-2.11	-0.01	2.18	2.18	2.18
P-AA7-A4	010Yr-024Hr	2.38	-1.87	-0.01	1.94	1.94	1.94
P-AA7-A4	025Yr-072Hr	2.15	-1.12	-0.01	1.75	1.75	1.75
P-AA7-A4	100Yr-072Hr	1.59	-1.18	0.02	1.29	1.29	1.29

Pipe Link: P-B1-B2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-4.86 ft	Invert:	-4.90 ft
From Node:	NZA-B2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-B2	005Yr-001Hr	12.59	-3.70	1.88	2.56	2.56	2.56
P-B1-B2	005Yr-024Hr	16.18	-4.51	2.13	3.30	3.30	3.30
P-B1-B2	010Yr-024Hr	22.11	-4.45	2.12	4.50	4.50	4.50
P-B1-B2	025Yr-072Hr	22.89	-4.50	2.17	4.66	4.66	4.66
P-B1-B2	100Yr-072Hr	23.11	-4.55	2.17	4.71	4.71	4.71

Pipe Link: P-B1-CS-01		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.75 ft	Invert:	-2.83 ft
From Node:	NZA-B1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	200.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-CS-01	005Yr-001Hr	30.98	-0.59	2.12	6.31	6.31	6.31
P-B1-CS-01	005Yr-024Hr	35.09	-0.59	2.44	7.15	7.15	7.15
P-B1-CS-01	010Yr-024Hr	39.84	-0.59	2.46	8.12	8.12	8.12
P-B1-CS-01	025Yr-072Hr	42.25	-0.59	4.21	8.61	8.61	8.61
P-B1-CS-01	100Yr-072Hr	45.76	-0.59	2.50	9.32	9.32	9.32

Pipe Link: P-B2-B3		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-4.54 ft	Invert:	-4.86 ft
From Node:	NZA-B3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B2-B3	005Yr-001Hr	3.40	-4.51	0.65	-1.44	-1.44	-1.44
P-B2-B3	005Yr-024Hr	4.96	-4.84	0.84	1.58	1.58	1.58
P-B2-B3	010Yr-024Hr	8.77	-4.84	0.92	2.79	2.79	2.79
P-B2-B3	025Yr-072Hr	11.65	-4.87	0.96	3.71	3.71	3.71
P-B2-B3	100Yr-072Hr	8.11	-5.25	-1.22	2.58	2.58	2.58

Pipe Link: P-B3-B4		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-3.77 ft	Invert:	-4.54 ft
From Node:	NZA-B4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B3-B4	005Yr-001Hr	2.38	-4.94	-0.73	-1.57	-1.57	-1.57
P-B3-B4	005Yr-024Hr	3.00	-5.22	-0.73	-1.66	-1.66	-1.66
P-B3-B4	010Yr-024Hr	3.01	-5.22	-0.73	-1.66	-1.66	-1.66
P-B3-B4	025Yr-072Hr	8.12	-5.21	-0.73	2.58	2.58	2.58
P-B3-B4	100Yr-072Hr	11.55	-10.15	-0.73	3.68	3.68	3.68

Pipe Link: P-B4-C2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	0.58 ft	Invert:	-0.46 ft
From Node:	NZA-C2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	628.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B4-C2	005Yr-001Hr	0.20	-0.51	0.05	-0.93	-0.93	-0.93
P-B4-C2	005Yr-024Hr	0.53	-0.55	0.05	-1.00	-1.00	-1.00
P-B4-C2	010Yr-024Hr	1.32	-0.54	0.05	2.42	2.42	2.42
P-B4-C2	025Yr-072Hr	1.49	-0.53	0.05	2.74	2.74	2.74
P-B4-C2	100Yr-072Hr	1.57	-0.53	0.05	2.88	2.88	2.88

Pipe Link: P-C1-B1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.88 ft	Invert:	-2.60 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	674.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-B1	005Yr-001Hr	5.34	-0.09	-0.07	3.02	3.02	3.02
P-C1-B1	005Yr-024Hr	6.70	-0.41	0.34	3.79	3.79	3.79
P-C1-B1	010Yr-024Hr	7.23	-0.42	0.36	4.09	4.09	4.09
P-C1-B1	025Yr-072Hr	7.59	-0.50	0.38	4.30	4.30	4.30
P-C1-B1	100Yr-072Hr	7.97	-0.50	0.39	4.51	4.51	4.51

Pipe Link: P-C1-D2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.60 ft	Invert:	-2.05 ft
From Node:	NZA-C1	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	715.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-D2	005Yr-001Hr	1.67	-1.78	0.03	-1.01	-1.01	-1.01
P-C1-D2	005Yr-024Hr	2.43	-3.90	-0.08	-2.21	-2.21	-2.21
P-C1-D2	010Yr-024Hr	2.69	-4.11	-0.09	-2.32	-2.32	-2.32
P-C1-D2	025Yr-072Hr	2.79	-4.28	-0.10	-2.42	-2.42	-2.42
P-C1-D2	100Yr-072Hr	2.33	-4.29	-0.09	-2.43	-2.43	-2.43

Pipe Link: P-C2-D8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-C2	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	664.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C2-D8	005Yr-001Hr	9.72	-0.13	0.61	3.09	3.09	3.09
P-C2-D8	005Yr-024Hr	11.65	-0.17	1.14	3.71	3.71	3.71
P-C2-D8	010Yr-024Hr	14.12	-0.16	0.89	4.49	4.49	4.49
P-C2-D8	025Yr-072Hr	14.33	-0.17	0.80	4.56	4.56	4.56
P-C2-D8	100Yr-072Hr	14.36	-0.17	0.85	4.57	4.57	4.57

Pipe Link: P-CS-10-E1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-CS-10	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-10-E1	005Yr-001Hr	0.02	-0.20	0.00	-0.06	-0.06	-0.06
P-CS-10-E1	005Yr-024Hr	0.20	-0.09	0.02	0.06	0.06	0.06
P-CS-10-E1	010Yr-024Hr	0.20	-0.09	0.02	0.06	0.06	0.06
P-CS-10-E1	025Yr-072Hr	1.08	-0.14	0.06	0.34	0.34	0.34
P-CS-10-E1	100Yr-072Hr	1.56	-0.17	0.08	0.50	0.50	0.50

Pipe Link: P-CS-10-PS-7		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-CS-10	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-PS-7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	20.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-10-PS-7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-CS-11-D1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-CS-11	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	2223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-11-D1	005Yr-001Hr	0.03	-0.27	0.00	-0.09	-0.09	-0.09
P-CS-11-D1	005Yr-024Hr	0.69	-0.08	0.02	0.22	0.22	0.22
P-CS-11-D1	010Yr-024Hr	0.90	-0.11	0.03	0.29	0.29	0.29
P-CS-11-D1	025Yr-072Hr	0.98	-0.15	0.04	0.31	0.31	0.31
P-CS-11-D1	100Yr-072Hr	1.01	-0.19	0.03	0.32	0.32	0.32

Pipe Link: P-CS-11-PS-8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS-8	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-CS-11	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-11-PS-8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-11-PS-8	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-11-PS-8	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-11-PS-8	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-11-PS-8	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-CS-TOWN-AA1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-AA1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-TOWN	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	85.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-TOWN-AA1	005Yr-001Hr	11.20	0.00	0.00	3.20	3.67	3.44
P-CS-TOWN-AA1	005Yr-024Hr	13.26	0.00	0.00	3.42	3.91	3.66
P-CS-TOWN-AA1	010Yr-024Hr	17.48	0.00	0.00	3.82	4.34	4.08
P-CS-TOWN-AA1	025Yr-072Hr	19.99	0.00	0.00	4.04	4.57	4.31
P-CS-TOWN-AA1	100Yr-072Hr	24.33	0.00	-0.01	4.40	4.95	4.67

Pipe Link: P-CS3-S3		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-CS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-PS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS3-S3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-D1-CS-05	Upstream	Downstream

Scenario:	OPTION 7	Invert:	-1.50 ft	Invert:	-2.70 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-05	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-CS-05	005Yr-001Hr	11.14	-0.04	0.06	3.54	3.54	3.54
P-D1-CS-05	005Yr-024Hr	15.06	-0.13	-0.36	4.79	4.79	4.79
P-D1-CS-05	010Yr-024Hr	15.38	-0.17	-0.35	4.89	4.89	4.89
P-D1-CS-05	025Yr-072Hr	15.57	-0.20	0.37	4.96	4.96	4.96
P-D1-CS-05	100Yr-072Hr	15.65	-0.19	-0.38	4.98	4.98	4.98

Pipe Link: P-D1-D2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.05 ft	Invert:	-2.35 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-D2	005Yr-001Hr	9.88	-0.13	0.01	4.11	4.11	4.11
P-D1-D2	005Yr-024Hr	12.18	-0.58	0.06	5.07	5.07	5.07
P-D1-D2	010Yr-024Hr	11.70	-0.59	0.06	4.86	4.86	4.86
P-D1-D2	025Yr-072Hr	11.53	-0.65	0.07	4.79	4.79	4.79
P-D1-D2	100Yr-072Hr	11.61	-0.64	0.07	4.83	4.83	4.83

Pipe Link: P-D1-E1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.35 ft	Invert:	-2.90 ft
From Node:	NZA-D1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	694.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-E1	005Yr-001Hr	2.47	-0.06	0.01	1.40	1.40	1.40
P-D1-E1	005Yr-024Hr	4.70	-0.26	0.04	2.66	2.66	2.66
P-D1-E1	010Yr-024Hr	5.26	-0.27	0.03	2.97	2.97	2.97
P-D1-E1	025Yr-072Hr	5.26	-0.28	0.04	2.98	2.98	2.98
P-D1-E1	100Yr-072Hr	5.26	-0.27	0.04	2.98	2.98	2.98

Pipe Link: P-D2-D3		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.70 ft	Invert:	-2.05 ft
From Node:	NZA-D3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-D3	005Yr-001Hr	4.46	-0.01	-0.01	2.52	2.52	2.52
P-D2-D3	005Yr-024Hr	8.94	-0.17	0.06	5.06	5.06	5.06
P-D2-D3	010Yr-024Hr	8.76	-0.18	0.05	4.96	4.96	4.96
P-D2-D3	025Yr-072Hr	8.79	-0.27	0.05	4.97	4.97	4.97
P-D2-D3	100Yr-072Hr	8.66	-0.25	0.07	4.90	4.90	4.90

Pipe Link: P-D2-E3		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.70 ft	Invert:	-2.10 ft
From Node:	NZA-D2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.83 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-E3	005Yr-001Hr	0.27	-4.55	0.01	-1.89	-1.89	-1.89
P-D2-E3	005Yr-024Hr	3.75	-5.04	-0.07	-2.09	-2.09	-2.09
P-D2-E3	010Yr-024Hr	4.11	-5.81	0.08	-2.42	-2.42	-2.42
P-D2-E3	025Yr-072Hr	4.28	-6.10	0.09	-2.54	-2.54	-2.54
P-D2-E3	100Yr-072Hr	4.32	-5.19	-0.09	-2.16	-2.16	-2.16

Pipe Link: P-D3-D4		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.33 ft	Invert:	-2.70 ft
From Node:	NZA-D4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D3-D4	005Yr-001Hr	2.34	-0.01	0.00	2.98	2.98	2.98
P-D3-D4	005Yr-024Hr	3.24	-0.26	0.02	4.12	4.12	4.12
P-D3-D4	010Yr-024Hr	3.23	-0.27	-0.02	4.11	4.11	4.11
P-D3-D4	025Yr-072Hr	3.20	-0.34	-0.02	4.08	4.08	4.08
P-D3-D4	100Yr-072Hr	3.16	-0.32	-0.02	4.03	4.03	4.03

Pipe Link: P-D4-D5		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.43 ft	Invert:	-2.33 ft
From Node:	NZA-D5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D4-D5	005Yr-001Hr	1.36	-0.01	0.00	1.73	1.73	1.73
P-D4-D5	005Yr-024Hr	1.33	-1.17	0.05	1.69	1.69	1.69
P-D4-D5	010Yr-024Hr	1.30	-0.93	0.06	1.65	1.65	1.65
P-D4-D5	025Yr-072Hr	1.22	-0.75	0.06	1.55	1.55	1.55
P-D4-D5	100Yr-072Hr	1.22	-0.48	0.02	1.55	1.55	1.55

Pipe Link: P-D5-D6		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.42 ft	Invert:	-2.43 ft
From Node:	NZA-D6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	301.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D5-D6	005Yr-001Hr	0.00	-1.03	-0.01	-1.31	-1.31	-1.31
P-D5-D6	005Yr-024Hr	0.00	-2.14	-0.02	-2.73	-2.73	-2.73
P-D5-D6	010Yr-024Hr	0.00	-2.05	-0.02	-2.60	-2.60	-2.60
P-D5-D6	025Yr-072Hr	0.00	-1.94	-0.02	-2.47	-2.47	-2.47
P-D5-D6	100Yr-072Hr	0.00	-1.85	-0.02	-2.35	-2.35	-2.35

Pipe Link: P-D6-D7		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.42 ft	Invert:	-2.42 ft
From Node:	NZA-D7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-D6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D6-D7	005Yr-001Hr	0.00	-3.74	-0.05	-4.76	-4.76	-4.76
P-D6-D7	005Yr-024Hr	0.00	-3.81	-0.09	-4.85	-4.85	-4.85
P-D6-D7	010Yr-024Hr	0.00	-3.79	-0.09	-4.83	-4.83	-4.83
P-D6-D7	025Yr-072Hr	0.00	-3.78	-0.13	-4.81	-4.81	-4.81
P-D6-D7	100Yr-072Hr	0.00	-3.79	-0.10	-4.83	-4.83	-4.83

Pipe Link: P-D7-D8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-D7	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-D8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D7-D8	005Yr-001Hr	14.85	-1.08	8.11	4.73	4.73	4.73
P-D7-D8	005Yr-024Hr	36.49	-2.86	9.27	11.61	11.61	11.61
P-D7-D8	010Yr-024Hr	41.65	-2.86	8.84	13.26	13.26	13.26
P-D7-D8	025Yr-072Hr	43.29	-2.84	9.25	13.78	13.78	13.78
P-D7-D8	100Yr-072Hr	43.68	-2.85	9.19	13.90	13.90	13.90

Pipe Link: P-D7-E8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-D7	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-E8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	663.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D7-E8	005Yr-001Hr	2.80	-1.82	1.34	0.89	0.89	0.89
P-D7-E8	005Yr-024Hr	3.33	-8.88	1.41	-2.83	-2.83	-2.83
P-D7-E8	010Yr-024Hr	3.30	-15.97	1.39	-5.08	-5.08	-5.08
P-D7-E8	025Yr-072Hr	3.43	-16.11	1.39	-5.13	-5.13	-5.13
P-D7-E8	100Yr-072Hr	3.54	-16.11	1.36	-5.13	-5.13	-5.13

Pipe Link: P-DS1-OUTFALL (94TH)		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.20 ft	Invert:	-3.12 ft
From Node:	NZA-DS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS1-OUTFALL (94TH)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	010Yr-024Hr	0.09	0.00	0.03	0.02	0.02	0.02
P-DS1-OUTFALL (94TH)	025Yr-072Hr	2.78	0.00	-0.33	0.57	0.57	0.57
P-DS1-OUTFALL (94TH)	100Yr-072Hr	6.30	0.00	-0.37	1.28	1.28	1.28

Pipe Link: P-DS2-OUTFALL	Upstream	Downstream

Scenario:	OPTION 7	Invert:	-1.20 ft	Invert:	-2.47 ft
From Node:	NZA-DS2	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (89th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	010Yr-024Hr	0.02	0.00	0.01	0.01	0.01	0.01
P-DS2-OUTFALL	025Yr-072Hr	2.06	0.00	0.20	0.66	0.66	0.66
P-DS2-OUTFALL	100Yr-072Hr	4.61	0.00	0.36	1.47	1.47	1.47

Pipe Link: P-DS3-OUTFALL(CARLYLE)		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-4.70 ft	Invert:	-4.00 ft
From Node:	NZA-DS3	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (CARLYLE)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	11.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	

Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS3-OUTFALL(CARLYLE)	005Yr-001Hr	25.18	0.00	-9.95	3.56	3.56	3.56
P-DS3-OUTFALL(CARLYLE)	005Yr-024Hr	30.25	0.00	10.50	4.28	4.28	4.28
P-DS3-OUTFALL(CARLYLE)	010Yr-024Hr	35.20	0.00	10.55	4.98	4.98	4.98
P-DS3-OUTFALL(CARLYLE)	025Yr-072Hr	36.73	0.00	10.52	5.20	5.20	5.20
P-DS3-OUTFALL(CARLYLE)	100Yr-072Hr	39.14	0.00	10.51	5.54	5.54	5.54

Pipe Link: P-E1-E2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.57 ft	Invert:	-2.18 ft
From Node:	NZA-E2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	230.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	005Yr-001Hr	15.23	-0.02	0.01	4.85	4.85	4.85
P-E1-E2	005Yr-024Hr	19.01	-0.46	-0.09	6.05	6.05	6.05
P-E1-E2	010Yr-024Hr	19.31	-0.48	0.09	6.15	6.15	6.15

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	025Yr-072Hr	19.30	-0.54	0.12	6.14	6.14	6.14
P-E1-E2	100Yr-072Hr	19.29	-0.52	-0.10	6.14	6.14	6.14

Pipe Link: P-E1-F1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.90 ft	Invert:	-2.71 ft
From Node:	NZA-F1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	692.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-F1	005Yr-001Hr	2.43	-1.05	0.01	1.38	1.38	1.38
P-E1-F1	005Yr-024Hr	3.54	-1.22	-0.05	2.00	2.00	2.00
P-E1-F1	010Yr-024Hr	4.56	-1.19	-0.05	2.58	2.58	2.58
P-E1-F1	025Yr-072Hr	4.97	-1.16	-0.05	2.81	2.81	2.81
P-E1-F1	100Yr-072Hr	5.06	-1.05	-0.05	2.86	2.86	2.86

Pipe Link: P-E2-E3		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-0.45 ft	Invert:	-1.57 ft
From Node:	NZA-E3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	260.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E2-E3	005Yr-001Hr	8.74	-0.04	0.01	2.78	2.78	2.78
P-E2-E3	005Yr-024Hr	12.61	-0.55	-0.07	4.01	4.01	4.01
P-E2-E3	010Yr-024Hr	12.76	-0.56	0.08	4.06	4.06	4.06
P-E2-E3	025Yr-072Hr	12.85	-0.61	0.11	4.09	4.09	4.09
P-E2-E3	100Yr-072Hr	12.84	-0.59	-0.10	4.09	4.09	4.09

Pipe Link: P-E3-E4		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.57 ft	Invert:	-0.45 ft
From Node:	NZA-E4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	283.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	005Yr-001Hr	6.91	-0.26	0.02	2.20	3.91	3.06
P-E3-E4	005Yr-024Hr	8.73	-0.85	-0.18	2.78	4.94	3.86
P-E3-E4	010Yr-024Hr	8.64	-0.86	-0.19	2.75	4.89	3.82

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	025Yr-072Hr	8.76	-0.90	-0.19	2.79	4.96	3.87
P-E3-E4	100Yr-072Hr	8.79	-0.89	-0.20	2.80	4.97	3.89

Pipe Link: P-E4-E5		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.57 ft	Invert:	-1.57 ft
From Node:	NZA-E5	Manning's N:	0.0012	Manning's N:	0.0012
To Node:	NZA-E4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	277.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E4-E5	005Yr-001Hr	8.73	-0.51	-8.69	2.78	2.78	2.78
P-E4-E5	005Yr-024Hr	11.03	-2.46	9.38	3.51	3.51	3.51
P-E4-E5	010Yr-024Hr	11.24	-2.64	9.25	3.58	3.58	3.58
P-E4-E5	025Yr-072Hr	14.70	-2.58	9.15	4.68	4.68	4.68
P-E4-E5	100Yr-072Hr	14.87	-2.53	-12.06	4.73	4.73	4.73

Pipe Link: P-E5-E6		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.79 ft	Invert:	-1.57 ft
From Node:	NZA-E6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.25 ft	Max Depth:	2.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E5-E6	005Yr-001Hr	1.78	-4.11	0.79	-1.03	-1.03	-1.03
P-E5-E6	005Yr-024Hr	6.59	-4.62	0.70	1.66	1.66	1.66
P-E5-E6	010Yr-024Hr	6.27	-5.33	0.70	1.58	1.58	1.58
P-E5-E6	025Yr-072Hr	6.53	-5.65	0.74	1.64	1.64	1.64
P-E5-E6	100Yr-072Hr	6.60	-4.65	0.80	1.66	1.66	1.66

Pipe Link: P-E6-E7		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.89 ft	Invert:	-1.79 ft
From Node:	NZA-E7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	005Yr-001Hr	0.01	-2.80	-0.03	-1.59	-1.59	-1.59
P-E6-E7	005Yr-024Hr	3.92	-2.70	-0.14	2.22	2.22	2.22
P-E6-E7	010Yr-024Hr	3.54	-2.67	-0.14	2.01	2.01	2.01

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	025Yr-072Hr	3.86	-2.63	-0.14	2.18	2.18	2.18
P-E6-E7	100Yr-072Hr	3.74	-2.04	-0.14	2.12	2.12	2.12

Pipe Link: P-E7-E8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-0.69 ft	Invert:	-1.89 ft
From Node:	NZA-E8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-E7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E7-E8	005Yr-001Hr	0.00	-3.68	-0.05	-4.68	-4.68	-4.68
P-E7-E8	005Yr-024Hr	0.01	-3.84	-0.12	-4.89	-4.89	-4.89
P-E7-E8	010Yr-024Hr	0.01	-3.83	-0.11	-4.87	-4.87	-4.87
P-E7-E8	025Yr-072Hr	0.01	-3.82	-0.15	-4.87	-4.87	-4.87
P-E7-E8	100Yr-072Hr	0.01	-3.83	-0.13	-4.87	-4.87	-4.87

Pipe Link: P-E9-E8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-E9	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-E8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-E8	005Yr-001Hr	1.25	-15.10	6.34	-4.81	-4.81	-4.81
P-E9-E8	005Yr-024Hr	1.44	-20.90	-8.56	-6.65	-6.65	-6.65
P-E9-E8	010Yr-024Hr	1.43	-23.30	-8.52	-7.42	-7.42	-7.42
P-E9-E8	025Yr-072Hr	1.47	-23.41	-9.17	-7.45	-7.45	-7.45
P-E9-E8	100Yr-072Hr	1.43	-22.83	-9.10	-7.27	-7.27	-7.27

Pipe Link: P-E9-F9		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-E9	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-F9	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	500.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-F9	005Yr-001Hr	0.44	-7.99	-1.24	-2.54	-2.54	-2.54
P-E9-F9	005Yr-024Hr	0.21	-8.77	-0.63	-2.79	-2.79	-2.79
P-E9-F9	010Yr-024Hr	0.21	-18.40	-0.84	-5.86	-5.86	-5.86

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-F9	025Yr-072Hr	0.21	-19.27	-0.84	-6.13	-6.13	-6.13
P-E9-F9	100Yr-072Hr	0.18	-19.08	-0.62	-6.07	-6.07	-6.07

Pipe Link: P-E9-PS-7		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-E9	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-PS-7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	10.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-PS-7	005Yr-001Hr	24.76	-0.54	-7.33	7.88	7.88	7.88
P-E9-PS-7	005Yr-024Hr	26.88	-0.71	7.95	8.56	8.56	8.56
P-E9-PS-7	010Yr-024Hr	27.61	-0.72	7.92	8.79	8.79	8.79
P-E9-PS-7	025Yr-072Hr	27.69	-0.65	7.88	8.81	8.81	8.81
P-E9-PS-7	100Yr-072Hr	27.83	-0.72	8.00	8.86	8.86	8.86

Pipe Link: P-F1-F2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.66 ft	Invert:	-1.36 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	217.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-F2	005Yr-001Hr	2.46	-0.02	0.01	3.13	3.13	3.13
P-F1-F2	005Yr-024Hr	2.61	-0.12	0.02	3.32	3.32	3.32
P-F1-F2	010Yr-024Hr	2.44	-0.10	-0.02	3.10	3.10	3.10
P-F1-F2	025Yr-072Hr	2.44	-0.11	-0.03	3.11	3.11	3.11
P-F1-F2	100Yr-072Hr	2.41	-0.26	-0.03	3.07	3.07	3.07

Pipe Link: P-F1-G1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.71 ft	Invert:	-2.80 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	119.25 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	005Yr-001Hr	1.18	-2.05	-0.06	-1.16	-1.16	-1.16
P-F1-G1	005Yr-024Hr	1.71	-3.51	-0.12	-1.98	-1.98	-1.98
P-F1-G1	010Yr-024Hr	3.12	-4.37	-0.10	-2.47	-2.47	-2.47

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	025Yr-072Hr	3.79	-4.62	-0.12	-2.61	-2.61	-2.61
P-F1-G1	100Yr-072Hr	4.29	-4.74	-0.10	-2.68	-2.68	-2.68

Pipe Link: P-F2-F3		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	0.36 ft	Invert:	-1.66 ft
From Node:	NZA-F3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	276.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-F3	005Yr-001Hr	1.80	0.00	0.00	2.30	2.30	2.30
P-F2-F3	005Yr-024Hr	2.65	0.00	0.03	3.37	3.37	3.37
P-F2-F3	010Yr-024Hr	2.64	0.00	0.03	3.36	3.36	3.36
P-F2-F3	025Yr-072Hr	2.67	-0.01	0.03	3.40	3.40	3.40
P-F2-F3	100Yr-072Hr	2.62	-0.01	0.03	3.33	3.33	3.33

Pipe Link: P-F2-G2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.65 ft	Invert:	-1.65 ft
From Node:	NZA-F2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	495.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-G2	005Yr-001Hr	1.83	0.00	0.01	2.32	2.32	2.32
P-F2-G2	005Yr-024Hr	2.25	-0.09	0.10	2.86	2.86	2.86
P-F2-G2	010Yr-024Hr	2.18	-0.02	0.09	2.78	2.78	2.78
P-F2-G2	025Yr-072Hr	2.17	-0.05	0.11	2.76	2.76	2.76
P-F2-G2	100Yr-072Hr	2.17	-0.05	0.11	2.77	2.77	2.77

Pipe Link: P-F4-F5		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	0.51 ft	Invert:	1.47 ft
From Node:	NZA-F5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	005Yr-001Hr	0.57	0.00	0.00	1.05	1.05	1.05
P-F4-F5	005Yr-024Hr	0.58	-0.05	0.01	1.07	1.07	1.07
P-F4-F5	010Yr-024Hr	0.60	-0.05	0.01	1.10	1.10	1.10

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	025Yr-072Hr	0.60	-0.05	-0.01	1.11	1.11	1.11
P-F4-F5	100Yr-072Hr	0.60	-0.05	-0.01	1.09	1.09	1.09

Pipe Link: P-F4-G4		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	1.47 ft	Invert:	1.47 ft
From Node:	NZA-F4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	510.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-G4	005Yr-001Hr	1.02	-0.47	0.00	1.87	1.94	1.91
P-F4-G4	005Yr-024Hr	1.69	-0.45	0.00	3.09	3.24	3.14
P-F4-G4	010Yr-024Hr	1.69	-0.49	0.00	3.09	3.21	3.13
P-F4-G4	025Yr-072Hr	1.68	-0.19	0.00	3.08	3.15	3.10
P-F4-G4	100Yr-072Hr	1.66	0.00	0.00	3.04	3.11	3.07

Pipe Link: P-F5-F6		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-F6	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-F5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	292.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F5-F6	005Yr-001Hr	0.56	-1.61	-0.02	-0.91	-0.91	-0.91
P-F5-F6	005Yr-024Hr	0.93	-1.56	-0.01	-0.88	-0.88	-0.88
P-F5-F6	010Yr-024Hr	1.66	-1.51	-0.02	0.94	0.94	0.94
P-F5-F6	025Yr-072Hr	0.70	-1.49	-0.03	-0.84	-0.84	-0.84
P-F5-F6	100Yr-072Hr	1.67	-1.48	-0.03	0.95	0.95	0.95

Pipe Link: P-F6-F7		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	0.25 ft	Invert:	-2.00 ft
From Node:	NZA-F7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	271.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	005Yr-001Hr	1.38	-0.98	0.00	1.76	1.76	1.76
P-F6-F7	005Yr-024Hr	1.12	-2.17	0.01	-2.76	-2.76	-2.76
P-F6-F7	010Yr-024Hr	0.90	-2.11	0.01	-2.69	-2.69	-2.69

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	025Yr-072Hr	0.48	-2.06	0.01	-2.62	-2.62	-2.62
P-F6-F7	100Yr-072Hr	0.25	-1.76	0.01	-2.23	-2.23	-2.23

Pipe Link: P-F7-F8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.17 ft	Invert:	0.25 ft
From Node:	NZA-F8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	303.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F7-F8	005Yr-001Hr	0.00	-1.85	0.00	-2.36	-2.36	-2.36
P-F7-F8	005Yr-024Hr	0.00	-3.09	-0.01	-3.93	-3.93	-3.93
P-F7-F8	010Yr-024Hr	0.06	-3.09	0.01	-3.93	-3.93	-3.93
P-F7-F8	025Yr-072Hr	0.00	-3.07	-0.01	-3.91	-3.91	-3.91
P-F7-F8	100Yr-072Hr	0.00	-3.01	0.01	-3.83	-3.83	-3.83

Pipe Link: P-F8-F9		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.83 ft	Invert:	-2.17 ft
From Node:	NZA-F9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	321.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-F9	005Yr-001Hr	0.31	-2.97	-0.07	-3.79	-3.79	-3.79
P-F8-F9	005Yr-024Hr	0.11	-3.60	-0.04	-4.59	-4.59	-4.59
P-F8-F9	010Yr-024Hr	0.09	-3.68	-0.04	-4.68	-4.68	-4.68
P-F8-F9	025Yr-072Hr	0.09	-3.69	-0.06	-4.69	-4.69	-4.69
P-F8-F9	100Yr-072Hr	0.09	-3.69	-0.04	-4.69	-4.69	-4.69

Pipe Link: P-F8-G8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	0.88 ft	Invert:	0.61 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	525.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	005Yr-001Hr	0.21	-1.78	0.00	-0.25	-0.25	-0.25
P-F8-G8	005Yr-024Hr	0.15	-2.94	-0.02	-0.42	-0.42	-0.42
P-F8-G8	010Yr-024Hr	0.29	-4.99	0.01	-0.71	-0.71	-0.71

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	025Yr-072Hr	0.16	-5.56	0.02	-0.79	-0.79	-0.79
P-F8-G8	100Yr-072Hr	0.16	-5.47	-0.01	-0.77	-0.77	-0.77

Pipe Link: P-FDOT-1A-2A		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-4.86 ft	Invert:	-3.43 ft
From Node:	FDOT-1A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-2A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.42 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-1A-2A	005Yr-001Hr	3.37	-2.85	-0.76	1.07	1.07	1.07
P-FDOT-1A-2A	005Yr-024Hr	2.95	-4.14	-0.76	-1.32	-1.32	-1.32
P-FDOT-1A-2A	010Yr-024Hr	2.79	-5.86	-0.76	-1.87	-1.87	-1.87
P-FDOT-1A-2A	025Yr-072Hr	2.34	-6.41	-0.76	-2.04	-2.04	-2.04
P-FDOT-1A-2A	100Yr-072Hr	2.25	-6.99	-0.76	-2.22	-2.22	-2.22

Pipe Link: P-FDOT-2B-3B		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.97 ft	Invert:	-4.38 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-3B	Geometry: Circular		Geometry: Circular	

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	657.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-3B	005Yr-001Hr	9.82	-7.36	3.06	1.02	1.02	1.02
P-FDOT-2B-3B	005Yr-024Hr	9.82	-8.58	3.06	1.02	1.02	1.02
P-FDOT-2B-3B	010Yr-024Hr	9.82	-11.81	3.06	-1.23	-1.23	-1.23
P-FDOT-2B-3B	025Yr-072Hr	9.82	-14.36	3.06	-1.49	-1.49	-1.49
P-FDOT-2B-3B	100Yr-072Hr	9.82	-16.84	3.06	-1.75	-1.75	-1.75

Pipe Link: P-FDOT-2B-B4		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.97 ft	Invert:	-3.77 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.04 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-B4	005Yr-001Hr	2.35	-14.73	0.65	-4.69	-4.69	-4.69
P-FDOT-2B-B4	005Yr-024Hr	3.19	-17.88	-0.70	-5.69	-5.69	-5.69
P-FDOT-2B-B4	010Yr-024Hr	3.20	-23.49	0.65	-7.48	-7.48	-7.48
P-FDOT-2B-B4	025Yr-072Hr	3.27	-27.60	-0.86	-8.78	-8.78	-8.78
P-FDOT-2B-B4	100Yr-072Hr	3.25	-29.99	-0.91	-9.55	-9.55	-9.55

Pipe Link: P-FDOT-3A-4A		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.16 ft	Invert:	-7.00 ft
From Node:	FDOT-3A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-4A	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	264.74 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3A-4A	005Yr-001Hr	7.01	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	005Yr-024Hr	7.33	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	010Yr-024Hr	10.30	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	025Yr-072Hr	12.43	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4	100Yr-072Hr	19.49	-28.26	4.31	-2.94	-2.94	-2.94

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							

Pipe Link: P-FDOT-3B-4B		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-4.38 ft	Invert:	-5.00 ft
From Node:	FDOT-5B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	304.53 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3B-4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-FDOT-4B-5B		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-5.00 ft	Invert:	-4.16 ft
From Node:	FDOT-4B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	246.31 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-4B-5 B	005Yr-001Hr	0.31	-3.31	-0.06	-0.67	-0.67	-0.67
P-FDOT-4B-5 B	005Yr-024Hr	2.14	-2.97	0.06	-0.60	-0.60	-0.60
P-FDOT-4B-5 B	010Yr-024Hr	3.14	-3.13	-0.07	0.64	0.64	0.64
P-FDOT-4B-5 B	025Yr-072Hr	3.77	-3.39	-0.06	0.77	0.77	0.77
P-FDOT-4B-5 B	100Yr-072Hr	4.48	-4.43	-0.05	0.91	0.91	0.91

Pipe Link: P-FDOT-S106-S101		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-6.18 ft	Invert:	-9.20 ft
From Node:	NZA-S-106	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S101	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	223.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-S106 -S101	005Yr-001Hr	1.70	-14.43	-5.53	-2.04	-2.04	-2.04
P-FDOT-S106 -S101	005Yr-024Hr	3.99	-14.75	-7.08	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	010Yr-024Hr	4.76	-14.73	-7.15	-2.08	-2.08	-2.08
P-FDOT-S106 -S101	025Yr-072Hr	6.12	-14.77	-7.15	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	100Yr-072Hr	9.39	-14.76	-7.13	-2.09	-2.09	-2.09

Pipe Link: P-FDOT2B - S-82		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-3.45 ft	Invert:	0.00 ft
From Node:	FDOT-2B	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-82	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	378.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT2B - S-82	005Yr-001Hr	28.82	-29.10	2.24	-6.21	6.09	-4.26
P-FDOT2B - S-82	005Yr-024Hr	34.74	-29.10	2.24	-6.21	6.55	4.65
P-FDOT2B - S-82	010Yr-024Hr	46.78	-29.10	2.24	-6.21	7.18	5.43
P-FDOT2B - S-82	025Yr-072Hr	49.75	-29.10	2.24	-6.21	7.18	5.42
P-FDOT2B -	100Yr-072Hr	53.36	-29.10	2.24	-6.21	7.28	5.55

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-82							

Pipe Link: P-FDOT4A-S106		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	3.81 ft	Invert:	-6.18 ft
From Node:	FDOT-4A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-106	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	823.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT4A-S106	005Yr-001Hr	4.33	0.00	0.00	3.83	0.61	2.22
P-FDOT4A-S106	005Yr-024Hr	8.96	0.00	0.00	4.69	1.27	2.98
P-FDOT4A-S106	010Yr-024Hr	12.48	0.00	0.00	5.17	1.77	3.47
P-FDOT4A-S106	025Yr-072Hr	17.48	0.00	0.00	5.73	2.47	4.10
P-FDOT4A-S106	100Yr-072Hr	26.86	0.00	0.00	6.62	3.80	5.21

Pipe Link: P-G1-G2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.80 ft	Invert:	-3.19 ft
From Node:	NZA-G1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	400.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G1-G2	005Yr-001Hr	3.05	-0.03	0.05	1.73	1.73	1.73
P-G1-G2	005Yr-024Hr	4.43	-0.21	0.36	2.50	2.50	2.50
P-G1-G2	010Yr-024Hr	5.81	-0.23	0.24	3.29	3.29	3.29
P-G1-G2	025Yr-072Hr	6.48	-1.03	0.36	3.67	3.67	3.67
P-G1-G2	100Yr-072Hr	6.59	-2.41	0.34	3.73	3.73	3.73

Pipe Link: P-G2-CS-02		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.22 ft	Invert:	-2.30 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-CS-02	005Yr-001Hr	23.58	-0.01	1.35	7.50	7.50	7.50
P-G2-CS-02	005Yr-024Hr	26.69	-0.01	1.83	8.50	8.50	8.50
P-G2-CS-02	010Yr-024Hr	33.00	-0.01	1.77	10.50	10.50	10.50
P-G2-CS-02	025Yr-072Hr	34.90	-0.03	2.58	11.11	11.11	11.11
P-G2-CS-02	100Yr-072Hr	37.52	-0.02	1.94	11.94	11.94	11.94

Pipe Link: P-G2-G3		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-3.38 ft	Invert:	-2.22 ft
From Node:	NZA-G3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-G3	005Yr-001Hr	14.47	-0.62	0.66	4.61	4.61	4.61
P-G2-G3	005Yr-024Hr	15.32	-0.06	1.00	4.88	4.88	4.88
P-G2-G3	010Yr-024Hr	15.26	-0.05	0.54	4.86	4.86	4.86
P-G2-G3	025Yr-072Hr	15.89	-0.04	0.56	5.06	5.06	5.06
P-G2-G3	100Yr-072Hr	15.99	-0.04	0.62	5.09	5.09	5.09

Pipe Link: P-G2-I1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-3.19 ft	Invert:	-2.93 ft
From Node:	NZA-G2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	563.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-I1	005Yr-001Hr	2.76	-1.60	-0.24	1.56	1.56	1.56
P-G2-I1	005Yr-024Hr	3.18	-1.61	-0.38	1.80	1.80	1.80
P-G2-I1	010Yr-024Hr	4.78	-1.62	-0.38	2.71	2.71	2.71
P-G2-I1	025Yr-072Hr	6.06	-1.61	-0.38	3.43	3.43	3.43
P-G2-I1	100Yr-072Hr	6.05	-1.61	-0.38	3.42	3.42	3.42

Pipe Link: P-G3-G4		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	1.48 ft	Invert:	-3.38 ft
From Node:	NZA-G4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	270.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G3-G4	005Yr-001Hr	8.53	-0.83	0.14	3.12	2.71	2.71
P-G3-G4	005Yr-024Hr	9.99	-0.14	0.11	3.52	3.18	3.18
P-G3-G4	010Yr-024Hr	11.07	-0.13	0.11	3.53	3.53	3.53
P-G3-G4	025Yr-072Hr	10.21	-0.11	0.09	3.54	3.25	3.25
P-G3-G4	100Yr-072Hr	10.24	-0.11	0.10	3.52	3.26	3.26

Pipe Link: P-G4-G5		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	0.28 ft	Invert:	1.48 ft
From Node:	NZA-G5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G4-G5	005Yr-001Hr	4.42	-0.30	0.02	2.50	2.50	2.50
P-G4-G5	005Yr-024Hr	7.17	-0.21	0.01	4.06	4.06	4.06
P-G4-G5	010Yr-024Hr	7.76	-0.21	0.01	4.39	4.39	4.39
P-G4-G5	025Yr-072Hr	7.77	-0.20	0.02	4.40	4.40	4.40
P-G4-G5	100Yr-072Hr	7.76	-0.20	0.02	4.39	4.39	4.39

Pipe Link: P-G5-G6		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	0.19 ft	Invert:	0.28 ft
From Node:	NZA-G6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G5-G6	005Yr-001Hr	0.76	-0.47	0.00	0.97	0.97	0.97
P-G5-G6	005Yr-024Hr	2.73	-0.28	-0.01	3.48	3.48	3.48
P-G5-G6	010Yr-024Hr	2.79	-0.28	0.01	3.55	3.55	3.55
P-G5-G6	025Yr-072Hr	2.80	-0.26	0.01	3.57	3.57	3.57
P-G5-G6	100Yr-072Hr	2.80	-0.26	0.02	3.57	3.57	3.57

Pipe Link: P-G6-G8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-0.37 ft	Invert:	0.19 ft
From Node:	NZA-G8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	550.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-G8	005Yr-001Hr	0.00	-2.96	0.00	-1.67	-1.67	-1.67
P-G6-G8	005Yr-024Hr	1.53	-2.69	0.04	-1.52	-1.52	-1.52
P-G6-G8	010Yr-024Hr	1.53	-2.38	0.03	-1.35	-1.35	-1.35
P-G6-G8	025Yr-072Hr	1.65	-2.27	-0.03	-1.28	-1.28	-1.28
P-G6-G8	100Yr-072Hr	1.56	-1.59	-0.03	-0.90	-0.90	-0.90

Pipe Link: P-G6-I7		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.97 ft	Invert:	-3.42 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I6	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-I7	005Yr-001Hr	19.43	-0.52	0.00	2.75	2.75	2.75
P-G6-I7	005Yr-024Hr	26.02	-0.41	-0.33	3.68	3.68	3.68
P-G6-I7	010Yr-024Hr	29.15	-0.41	-0.31	4.12	4.12	4.12
P-G6-I7	025Yr-072Hr	30.73	-0.34	0.54	4.35	4.35	4.35
P-G6-I7	100Yr-072Hr	32.31	-0.40	0.55	4.57	4.57	4.57

Pipe Link: P-G8-G9		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	0.81 ft	Invert:	-0.37 ft
From Node:	NZA-G9	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	262.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-G9	005Yr-001Hr	7.01	-0.01	0.00	2.91	2.91	2.91
P-G8-G9	005Yr-024Hr	7.01	0.00	-0.04	2.91	2.91	2.91
P-G8-G9	010Yr-024Hr	6.94	0.00	0.04	2.89	2.89	2.89
P-G8-G9	025Yr-072Hr	7.06	0.00	0.04	2.94	2.94	2.94
P-G8-G9	100Yr-072Hr	7.11	0.00	-0.06	2.95	2.95	2.95

Pipe Link: P-G8-I7		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.30 ft	Invert:	-1.83 ft
From Node:	NZA-I7	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	570.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-I7	005Yr-001Hr	1.44	-14.96	0.01	-2.12	-2.12	-2.12
P-G8-I7	005Yr-024Hr	0.68	-16.33	-0.14	-2.31	-2.31	-2.31
P-G8-I7	010Yr-024Hr	0.69	-16.66	0.10	-2.36	-2.36	-2.36
P-G8-I7	025Yr-072Hr	0.93	-16.95	-0.21	-2.40	-2.40	-2.40
P-G8-I7	100Yr-072Hr	0.94	-17.51	-0.16	-2.48	-2.48	-2.48

Pipe Link: P-I1-I2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.17 ft	Invert:	-2.32 ft
From Node:	NZA-I2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	267.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I1-I2	005Yr-001Hr	1.70	0.00	0.01	3.12	3.12	3.12
P-I1-I2	005Yr-024Hr	1.98	-0.17	0.03	3.64	3.64	3.64
P-I1-I2	010Yr-024Hr	1.97	-0.14	0.03	3.61	3.61	3.61
P-I1-I2	025Yr-072Hr	1.96	-0.15	0.03	3.60	3.60	3.60
P-I1-I2	100Yr-072Hr	1.95	-0.15	0.03	3.58	3.58	3.58

Pipe Link: P-I3-I4		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-1.54 ft	Invert:	1.02 ft
From Node:	NZA-I4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I3-I4	005Yr-001Hr	0.00	-1.16	-0.01	-0.66	-0.66	-0.66
P-I3-I4	005Yr-024Hr	0.36	-1.02	-0.03	-0.58	-0.58	-0.58
P-I3-I4	010Yr-024Hr	0.41	-1.02	-0.02	-0.58	-0.58	-0.58
P-I3-I4	025Yr-072Hr	0.56	-1.00	0.04	-0.57	-0.57	-0.57
P-I3-I4	100Yr-072Hr	1.56	-0.94	0.04	0.88	0.88	0.88

Pipe Link: P-I4-I5		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-0.68 ft	Invert:	-1.54 ft
From Node:	NZA-I5	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I4	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	279.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I4-I5	005Yr-001Hr	0.00	-1.29	0.00	-1.64	-1.64	-1.64
P-I4-I5	005Yr-024Hr	0.23	-2.04	0.01	-2.60	-2.60	-2.60
P-I4-I5	010Yr-024Hr	0.50	-2.04	-0.01	-2.59	-2.59	-2.59
P-I4-I5	025Yr-072Hr	0.85	-1.99	0.01	-2.54	-2.54	-2.54
P-I4-I5	100Yr-072Hr	0.81	-1.90	0.01	-2.42	-2.42	-2.42

Pipe Link: P-I5-I6		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.97 ft	Invert:	-0.74 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I5	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	275.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I5-I6	005Yr-001Hr	0.00	-2.49	0.00	-3.17	-3.17	-3.17
P-I5-I6	005Yr-024Hr	0.00	-2.86	-0.01	-3.64	-3.64	-3.64
P-I5-I6	010Yr-024Hr	0.00	-2.86	-0.01	-3.65	-3.65	-3.65
P-I5-I6	025Yr-072Hr	0.00	-2.87	-0.01	-3.66	-3.66	-3.66
P-I5-I6	100Yr-072Hr	0.10	-2.83	-0.01	-3.61	-3.61	-3.61

Pipe Link: P-I6-CS-03		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-3.46 ft	Invert:	-4.50 ft
From Node:	NZA-I6	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-03	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	190.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I6-CS-03	005Yr-001Hr	25.19	0.00	0.00	3.56	3.56	3.56
P-I6-CS-03	005Yr-024Hr	30.22	-0.01	0.41	4.28	4.28	4.28
P-I6-CS-03	010Yr-024Hr	35.17	-0.01	0.37	4.98	4.98	4.98
P-I6-CS-03	025Yr-072Hr	36.71	-0.02	-0.68	5.19	5.19	5.19
P-I6-CS-03	100Yr-072Hr	39.12	-0.01	-0.65	5.53	5.53	5.53

Pipe Link: P-I7-I8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.67 ft	Invert:	-2.97 ft
From Node:	NZA-I8	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-I7	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	280.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I7-I8	005Yr-001Hr	5.83	0.00	0.00	3.30	3.30	3.30
P-I7-I8	005Yr-024Hr	7.48	0.00	-0.03	4.23	4.23	4.23
P-I7-I8	010Yr-024Hr	7.48	0.00	-0.03	4.23	4.23	4.23
P-I7-I8	025Yr-072Hr	7.56	0.00	0.03	4.28	4.28	4.28
P-I7-I8	100Yr-072Hr	7.46	0.00	0.03	4.22	4.22	4.22

Pipe Link: P-OUTFALL(96th)-CS-TOWN		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-CS-TOWN	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	OUTFALL (96th)	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	58.09 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-OUTFALL(96th)-CS-TOWN	005Yr-001Hr	11.20	0.00	0.00	3.67	5.01	4.34
P-OUTFALL(96th)-CS-TOWN	005Yr-024Hr	13.26	0.00	0.00	3.91	5.27	4.59
P-OUTFALL(96th)-CS-TOWN	010Yr-024Hr	17.48	0.00	0.00	4.34	5.73	5.03
P-OUTFALL(96th)-CS-TOWN	025Yr-072Hr	19.99	0.00	0.00	4.57	5.99	5.28
P-OUTFALL(96th)-CS-TOWN	100Yr-072Hr	24.33	0.00	-0.01	4.95	6.39	5.67

Pipe Link: P-PS-8-D8		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.00 ft	Invert:	-2.00 ft
From Node:	NZA-D8	Manning's N:	0.0110	Manning's N:	0.0110
To Node:	NZA-PS-8	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	15.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS-8-D8	005Yr-001Hr	27.33	-0.04	8.31	8.70	8.70	8.70
P-PS-8-D8	005Yr-024Hr	44.78	-0.67	9.55	14.25	14.25	14.25
P-PS-8-D8	010Yr-024Hr	45.57	-0.67	9.02	14.51	14.51	14.51
P-PS-8-D8	025Yr-072Hr	45.67	-0.67	9.13	14.54	14.54	14.54
P-PS-8-D8	100Yr-072Hr	45.82	-0.67	8.91	14.58	14.58	14.58

Pipe Link: P-PS1-CS1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.78 ft	Invert:	-2.75 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-CS1	005Yr-001Hr	0.30	-35.25	-20.65	-4.99	-4.99	-4.99
P-PS1-CS1	005Yr-024Hr	0.30	-37.33	-26.38	-5.28	-5.28	-5.28
P-PS1-CS1	010Yr-024Hr	0.30	-39.72	-26.63	-5.62	-5.62	-5.62
P-PS1-CS1	025Yr-072Hr	0.30	-39.75	-25.17	-5.62	-5.62	-5.62
P-PS1-CS1	100Yr-072Hr	0.30	-39.79	-28.65	-5.63	-5.63	-5.63

Pipe Link: P-PS1-DS1		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS1	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-DS1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS2-CS-02		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	-2.50 ft	Invert:	-2.30 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-CS-02	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-CS-02	005Yr-001Hr	0.01	-28.25	-18.83	-4.00	-4.00	-4.00
P-PS2-CS-02	005Yr-024Hr	0.06	-29.83	23.08	-4.22	-4.22	-4.22
P-PS2-CS-02	010Yr-024Hr	0.07	-33.08	23.00	-4.68	-4.68	-4.68
P-PS2-CS-02	025Yr-072Hr	0.22	-33.09	22.28	-4.68	-4.68	-4.68
P-PS2-CS-02	100Yr-072Hr	0.23	-33.10	22.76	-4.68	-4.68	-4.68

Pipe Link: P-PS2-DS2		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	38.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-DS2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS3-DS3		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	8.00 ft	Invert:	8.00 ft
From Node:	NZA-PS3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	11.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS3-DS3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-S-82 - S-77		Upstream		Downstream	
Scenario:	OPTION 7	Invert:	1.60 ft	Invert:	1.60 ft
From Node:	NZA-S-82	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	NZA-S-77	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	888.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-S-82 - S-77	005Yr-001Hr	0.28	-0.06	0.01	0.51	1.89	1.20
P-S-82 - S-77	005Yr-024Hr	0.26	-0.28	-0.03	-0.50	-1.87	-1.19
P-S-82 - S-77	010Yr-024Hr	2.28	-1.63	-0.03	1.11	-2.70	-1.80
P-S-82 - S-77	025Yr-072Hr	4.10	-1.22	-0.03	1.37	2.61	1.90
P-S-82 - S-77	100Yr-072Hr	6.42	-3.17	-0.03	1.68	3.63	2.51

Drop Structure Link: S-101		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S101	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL	Geometry: Circular		Geometry: Circular	
	(CARLYLE)	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both		

Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	1.50 ft
Max Width:	6.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-101 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Drop Structure Link: S-77		Upstream Pipe		Downstream Pipe	
Scenario:	OPTION 7	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	NZA-S-77	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	FDOT OUTFALL (94th)	Geometry: Circular		Geometry: Circular	
		Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000

Damping:	0.0000 ft	Top Clip			
Length:	12.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	Discharge Coefficients	
Max Depth:	1.50 ft	Weir Default:	3.200
Max Width:	6.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-77 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-A1-A2			
Scenario:	OPTION 7	Bottom Clip	

From Node:	NZA-A1		
To Node:	NZA-A2	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.61 ft	Ref Node:	
Control Elevation:	4.61 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-A2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-A2	005Yr-024Hr	0.00	-8.01	0.00	0.00	0.00	0.00
W-A1-A2	010Yr-024Hr	0.00	-17.28	0.00	0.00	0.00	0.00
W-A1-A2	025Yr-072Hr	0.00	-24.71	0.00	0.00	0.00	0.00
W-A1-A2	100Yr-072Hr	0.00	-36.80	-0.01	0.00	0.00	0.00

Weir Link: W-A1-B1

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	NZA-B1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.38 ft	Discharge Coefficients	
Control Elevation:	4.38 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	100Yr-072Hr	4.20	0.00	0.00	1.14	1.14	1.14

Weir Link: W-A1-OUTFALL

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	OUTFALL (95th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.81 ft	**Discharge Coefficients**	
Control Elevation:	3.81 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	010Yr-024Hr	12.59	0.00	0.00	1.65	1.65	1.65
W-A1-OUTFALL	025Yr-072Hr	24.86	0.00	0.00	2.26	2.26	2.26
W-A1-OUTFALL	100Yr-072Hr	37.13	0.00	0.01	3.38	3.38	3.38

Weir Link: W-A2-A3

Scenario:	OPTION 7	**Bottom Clip**	

From Node:	NZA-A2		
To Node:	NZA-A3	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.72 ft	Ref Node:	
Control Elevation:	4.72 ft	**Discharge Coefficients**	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A2-A3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A2-A3	005Yr-024Hr	0.00	-6.78	0.00	-1.34	-1.34	-1.34
W-A2-A3	010Yr-024Hr	0.00	-12.04	0.00	-1.60	-1.60	-1.60
W-A2-A3	025Yr-072Hr	0.00	-16.17	0.00	-1.71	-1.71	-1.71
W-A2-A3	100Yr-072Hr	0.00	-26.20	-0.31	-2.38	-2.38	-2.38

Weir Link: W-A3-A4

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-A4	Default:	0.00 ft
To Node:	NZA-A3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.41 ft	**Discharge Coefficients**	
Control Elevation:	5.41 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A3-A4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	100Yr-072Hr	10.78	0.00	0.00	1.57	1.57	1.57

Weir Link: W-A4-B4

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-A4	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.02 ft	Discharge Coefficients	
Control Elevation:	5.02 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	005Yr-024Hr	1.07	0.00	0.00	0.73	0.73	0.73
W-A4-B4	010Yr-024Hr	4.98	0.00	0.00	1.21	1.21	1.21
W-A4-B4	025Yr-072Hr	9.23	0.00	0.00	1.49	1.49	1.49
W-A4-B4	100Yr-072Hr	16.78	0.00	-1.82	1.67	1.67	1.67

Weir Link: W-A4-FDOT1B

Scenario:	OPTION 7	Bottom Clip	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical		
Geometry Type:	Rectangular	Op Table:	
Invert:	4.22 ft	Ref Node:	
Control Elevation:	4.22 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-FDOT1 B	005Yr-001Hr	4.37	0.00	0.01	1.16	1.16	1.16
W-A4-FDOT1 B	005Yr-024Hr	3.63	0.00	0.01	1.08	1.08	1.08
W-A4-FDOT1 B	010Yr-024Hr	1.55	0.00	0.00	0.80	0.80	0.80
W-A4-FDOT1 B	025Yr-072Hr	0.44	0.00	0.00	0.27	0.27	0.27
W-A4-FDOT1 B	100Yr-072Hr	8.73	0.00	0.04	0.79	0.79	0.79

Weir Link: W-AA1-AA2

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-AA1	Default:	0.00 ft
To Node:	NZA-AA2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-AA2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA1-OUTFALL(96th)

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-AA1	Default:	0.00 ft
To Node:	OUTFALL (96th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-OUTFALL(96th)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA2-AA3

Scenario:	OPTION 7	Bottom Clip	

From Node:	NZA-AA3		
To Node:	NZA-AA2	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.00 ft	Ref Node:	
Control Elevation:	4.00 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA2-AA3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA3-AA4

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-AA4	Default:	0.00 ft
To Node:	NZA-AA3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA3-AA4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	100Yr-072Hr	0.01	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA4-AA5

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-AA5	Default:	0.00 ft
To Node:	NZA-AA4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA4-AA5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	100Yr-072Hr	0.08	0.00	0.00	0.00	0.00	0.00

Weir Link: W-AA7-A4

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-AA7	Default:	0.00 ft
To Node:	NZA-A4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-001Hr	0.00	-12.81	0.01	-1.65	-1.65	-1.65
W-AA7-A4	005Yr-024Hr	2.66	-9.55	-2.08	-1.45	-1.45	-1.45
W-AA7-A4	010Yr-024Hr	2.43	-8.03	-3.12	-0.95	-0.95	-0.95
W-AA7-A4	025Yr-072Hr	2.04	-7.63	-1.73	0.83	0.83	0.83
W-AA7-A4	100Yr-072Hr	3.30	-8.74	-1.95	-0.79	-0.79	-0.79

Weir Link: W-B1-B2

Scenario:	OPTION 7
From Node:	NZA-B1
To Node:	NZA-B2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.50 ft
Control Elevation:	4.50 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	025Yr-072Hr	0.00	-5.39	0.00	0.00	0.00	0.00
W-B1-B2	100Yr-072Hr	0.00	-20.19	0.00	0.00	0.00	0.00

Weir Link: W-B1-OUTFALL

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	OUTFALL (94th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.90 ft	**Discharge Coefficients**	
Control Elevation:	3.90 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	025Yr-072Hr	3.21	0.00	0.00	1.08	1.08	1.08
W-B1-OUTFALL	100Yr-072Hr	30.20	0.00	0.00	3.02	3.02	3.02

Weir Link: W-B2-B3

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-B2	Default:	0.00 ft
To Node:	NZA-B3	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.54 ft
Control Elevation:	4.54 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B2-B3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	025Yr-072Hr	0.00	-9.12	0.00	-1.53	-1.53	-1.53
W-B2-B3	100Yr-072Hr	0.00	-19.38	0.00	-1.94	-1.94	-1.94

Weir Link: W-B3-B4

Scenario:	OPTION 7
From Node:	NZA-B4
To Node:	NZA-B3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.52 ft
Control Elevation:	5.52 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B3-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	100Yr-072Hr	4.09	0.00	0.00	1.17	1.17	1.17

Weir Link: W-B4-C2

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.69 ft	Discharge Coefficients	
Control Elevation:	5.69 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-C2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-C2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-C2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-C2	025Yr-072Hr	0.00	-2.76	0.00	0.00	0.00	0.00
W-B4-C2	100Yr-072Hr	0.00	-11.21	0.00	0.00	0.00	0.00

Weir Link: W-B4-FDOT2B

Scenario:	OPTION 7	Bottom Clip	
From Node:	FDOT-1B	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical		
Geometry Type:	Rectangular	Op Table:	
Invert:	4.21 ft	Ref Node:	
Control Elevation:	4.21 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	20.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2 B	005Yr-001Hr	8.89	0.00	0.01	1.52	1.52	1.52
W-B4-FDOT2 B	005Yr-024Hr	11.72	0.00	0.00	1.66	1.66	1.66
W-B4-FDOT2 B	010Yr-024Hr	16.78	0.00	0.00	1.87	1.87	1.87
W-B4-FDOT2 B	025Yr-072Hr	19.85	0.00	-1.75	1.98	1.98	1.98
W-B4-FDOT2 B	100Yr-072Hr	20.80	0.00	-1.88	2.08	2.08	2.08

Weir Link: W-C1-B1

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	NZA-C1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.86 ft	Discharge Coefficients	
Control Elevation:	4.86 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	025Yr-072Hr	0.00	-2.22	0.00	0.00	0.00	0.00
W-C1-B1	100Yr-072Hr	0.00	-18.76	0.00	0.00	0.00	0.00

Weir Link: W-C1-D2

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-C1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.80 ft	Discharge Coefficients	
Control Elevation:	4.80 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	025Yr-072Hr	2.07	-0.36	0.00	0.82	0.82	0.82
W-C1-D2	100Yr-072Hr	15.53	0.00	-1.29	1.41	1.41	1.41

Weir Link: W-C2-FDOT3B

Scenario:	OPTION 7	Bottom Clip	
From Node:	FDOT-3B	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical		
Geometry Type:	Rectangular	Op Table:	
Invert:	3.95 ft	Ref Node:	
Control Elevation:	3.95 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C2-FDOT3B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-D1-D2

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-D1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.10 ft	Discharge Coefficients	
Control Elevation:	4.10 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-D2	005Yr-024Hr	11.46	0.00	0.00	1.60	1.60	1.60
W-D1-D2	010Yr-024Hr	26.86	0.00	0.00	2.44	2.44	2.44
W-D1-D2	025Yr-072Hr	32.59	0.00	0.01	2.96	2.96	2.96
W-D1-D2	100Yr-072Hr	35.26	0.00	0.01	3.21	3.21	3.21

Weir Link: W-D1-E1

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	NZA-E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.24 ft	Discharge Coefficients	
Control Elevation:	4.24 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-E1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	010Yr-024Hr	12.58	0.00	0.00	1.65	1.65	1.65
W-D1-E1	025Yr-072Hr	20.35	0.00	0.00	1.94	1.94	1.94
W-D1-E1	100Yr-072Hr	24.18	0.00	-1.39	2.20	2.20	2.20

Weir Link: W-D1-OUTFALL

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	OUTFALL (92nd)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Rectangular	Op Table:	
Invert:	5.00 ft	Ref Node:	
Control Elevation:	5.00 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	100Yr-072Hr	2.29	0.00	0.00	0.93	0.93	0.93

Weir Link: W-D2-D3

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.18 ft	Discharge Coefficients	
Control Elevation:	4.18 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-D3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-D3	005Yr-024Hr	0.00	-17.72	0.00	-1.85	-1.85	-1.85
W-D2-D3	010Yr-024Hr	0.00	-25.51	0.00	-2.32	-2.32	-2.32
W-D2-D3	025Yr-072Hr	0.00	-26.67	-0.01	-2.42	-2.42	-2.42
W-D2-D3	100Yr-072Hr	0.00	-28.31	-0.01	-2.57	-2.57	-2.57

Weir Link: W-D2-E3

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	Discharge Coefficients	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-E3	005Yr-024Hr	2.92	-3.17	0.00	-1.04	-1.04	-1.04
W-D2-E3	010Yr-024Hr	6.42	-7.33	-1.64	-1.37	-1.37	-1.37
W-D2-E3	025Yr-072Hr	5.66	-7.96	-1.37	-1.40	-1.40	-1.40
W-D2-E3	100Yr-072Hr	5.17	-6.97	-1.26	-1.20	-1.20	-1.20

Weir Link: W-D3-D4

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-D4	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.54 ft
Control Elevation:	4.54 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D3-D4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D3-D4	005Yr-024Hr	15.24	0.00	0.00	1.76	1.76	1.76
W-D3-D4	010Yr-024Hr	23.54	0.00	0.00	2.14	2.14	2.14
W-D3-D4	025Yr-072Hr	26.88	0.00	-0.08	2.44	2.44	2.44
W-D3-D4	100Yr-072Hr	27.35	0.00	-1.12	2.49	2.49	2.49

Weir Link: W-D4-D5

Scenario:	OPTION 7
From Node:	NZA-D5
To Node:	NZA-D4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.56 ft
Control Elevation:	4.56 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	005Yr-001Hr	0.38	0.00	0.00	0.00	0.00	0.00
W-D4-D5	005Yr-024Hr	11.21	0.00	0.00	1.59	1.59	1.59

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	010Yr-024Hr	16.42	0.00	-2.05	1.79	1.79	1.79
W-D4-D5	025Yr-072Hr	16.52	0.00	-3.08	1.76	1.76	1.76
W-D4-D5	100Yr-072Hr	15.33	0.00	-3.42	1.39	1.39	1.39

Weir Link: W-D5-D6

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-D6	Default:	0.00 ft
To Node:	NZA-D5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.94 ft	**Discharge Coefficients**	
Control Elevation:	4.94 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D5-D6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D5-D6	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D5-D6	010Yr-024Hr	0.00	-4.54	0.00	0.00	0.00	0.00
W-D5-D6	025Yr-072Hr	0.00	-12.07	0.00	-1.63	-1.63	-1.63
W-D5-D6	100Yr-072Hr	0.00	-20.38	-2.04	-1.92	-1.92	-1.92

Weir Link: W-D6-D7

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-D7	Default:	0.00 ft
To Node:	NZA-D6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.40 ft
Control Elevation:	4.40 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	005Yr-001Hr	0.00	-2.67	0.00	0.00	0.00	0.00
W-D6-D7	005Yr-024Hr	0.00	-11.61	0.00	0.00	0.00	0.00
W-D6-D7	010Yr-024Hr	0.00	-22.29	0.00	-2.03	-2.03	-2.03
W-D6-D7	025Yr-072Hr	0.00	-31.46	0.00	-2.86	-2.86	-2.86
W-D6-D7	100Yr-072Hr	0.00	-35.46	-0.01	-3.22	-3.22	-3.22

Weir Link: W-D7-FDOT4B

Scenario:	OPTION 7
From Node:	FDOT-4B
To Node:	NZA-D7
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	005Yr-024Hr	4.68	0.00	0.00	1.19	1.19	1.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	010Yr-024Hr	9.61	0.00	0.00	1.50	1.50	1.50
W-D7-FDOT4B	025Yr-072Hr	13.02	0.00	-2.09	1.56	1.56	1.56
W-D7-FDOT4B	100Yr-072Hr	15.92	0.00	-2.89	1.66	1.66	1.66

Weir Link: W-E1-E2

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-E2	Default:	0.00 ft
To Node:	NZA-E1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.22 ft	Discharge Coefficients	
Control Elevation:	4.22 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-E2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	010Yr-024Hr	16.03	0.00	0.00	1.79	1.79	1.79
W-E1-E2	025Yr-072Hr	26.78	0.00	0.00	2.43	2.43	2.43
W-E1-E2	100Yr-072Hr	32.67	0.00	0.01	2.97	2.97	2.97

Weir Link: W-E1-F1

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	NZA-F1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.26 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-F1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	025Yr-072Hr	0.00	-9.17	0.00	-1.41	-1.41	-1.41
W-E1-F1	100Yr-072Hr	0.00	-22.66	-1.88	-2.06	-2.06	-2.06

Weir Link: W-E1-OUTFALL A

Scenario:	OPTION 7
From Node:	NZA-E1
To Node:	OUTFALL (91st) - A
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.68 ft
Control Elevation:	4.68 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFA	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LL A							
W-E1-OUTFALL A	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	100Yr-072Hr	9.78	0.00	0.00	1.52	1.52	1.52

Weir Link: W-E1-OUTFALL B

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	OUTFALL (91st) - B	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.68 ft	**Discharge Coefficients**	
Control Elevation:	4.68 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	100Yr-072Hr	9.78	0.00	0.00	1.52	1.52	1.52

Weir Link: W-E2-E3			
Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-E3	Default:	0.00 ft
To Node:	NZA-E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	Discharge Coefficients	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E2-E3	005Yr-024Hr	7.85	0.00	0.00	1.41	1.41	1.41
W-E2-E3	010Yr-024Hr	20.24	0.00	0.00	1.87	1.87	1.87
W-E2-E3	025Yr-072Hr	22.69	0.00	0.00	2.06	2.06	2.06
W-E2-E3	100Yr-072Hr	24.63	0.00	-0.16	2.24	2.24	2.24

Weir Link: W-E3-E4			
Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-E4	Default:	0.00 ft
To Node:	NZA-E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.38 ft	Discharge Coefficients	
Control Elevation:	4.38 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E3-E4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E3-E4	005Yr-024Hr	6.71	0.00	0.00	1.34	1.34	1.34
W-E3-E4	010Yr-024Hr	15.29	0.00	0.00	1.76	1.76	1.76
W-E3-E4	025Yr-072Hr	21.34	0.00	0.84	1.94	1.94	1.94
W-E3-E4	100Yr-072Hr	23.50	0.00	-2.09	2.14	2.14	2.14

Weir Link: W-E4-E5

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-E5	Default:	0.00 ft
To Node:	NZA-E4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.81 ft	Discharge Coefficients	
Control Elevation:	4.81 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E4-E5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	025Yr-072Hr	5.18	0.00	0.01	0.88	0.88	0.88
W-E4-E5	100Yr-072Hr	9.17	0.00	-1.68	0.83	0.83	0.83

Weir Link: W-E5-E6

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-E6	Default:	0.00 ft
To Node:	NZA-E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.50 ft	Ref Node:	
Control Elevation:	4.50 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E5-E6	005Yr-024Hr	0.32	-0.15	0.00	0.14	0.14	0.14
W-E5-E6	010Yr-024Hr	3.84	-0.87	0.00	-0.64	-0.64	-0.64
W-E5-E6	025Yr-072Hr	9.31	-1.41	-1.88	0.89	0.89	0.89
W-E5-E6	100Yr-072Hr	9.28	-1.62	-2.85	0.84	0.84	0.84

Weir Link: W-E6-E7

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-E7	Default:	0.00 ft
To Node:	NZA-E6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.03 ft	Discharge Coefficients	
Control Elevation:	4.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-001Hr	0.00	-6.02	0.00	-1.28	-1.28	-1.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-024Hr	0.92	-6.37	2.88	-1.30	-1.30	-1.30
W-E6-E7	010Yr-024Hr	0.84	-7.08	-1.16	-1.34	-1.34	-1.34
W-E6-E7	025Yr-072Hr	2.85	-7.76	-1.14	-1.36	-1.36	-1.36
W-E6-E7	100Yr-072Hr	4.77	-9.03	-1.11	-1.21	-1.21	-1.21

Weir Link: W-E7-E8

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-E8	Default:	0.00 ft
To Node:	NZA-E7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.36 ft	Discharge Coefficients	
Control Elevation:	4.36 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E7-E8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E7-E8	005Yr-024Hr	0.00	-7.47	0.00	0.00	0.00	0.00
W-E7-E8	010Yr-024Hr	0.00	-14.74	0.00	-1.74	-1.74	-1.74
W-E7-E8	025Yr-072Hr	0.00	-17.30	-1.90	-1.83	-1.83	-1.83
W-E7-E8	100Yr-072Hr	0.00	-19.99	3.28	-1.92	-1.92	-1.92

Weir Link: W-E8-FDOT1A

Scenario:	OPTION 7	Bottom Clip	
From Node:	FDOT-1A	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	4.46 ft
Control Elevation:	4.46 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT1A	005Yr-001Hr	0.29	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT1A	005Yr-024Hr	7.09	0.00	0.00	1.36	1.36	1.36
W-E8-FDOT1A	010Yr-024Hr	10.35	0.00	0.00	1.54	1.54	1.54
W-E8-FDOT1A	025Yr-072Hr	12.48	0.00	-2.08	1.63	1.63	1.63
W-E8-FDOT1A	100Yr-072Hr	13.78	0.00	-3.10	1.70	1.70	1.70

Weir Link: W-E8-FDOT5B

Scenario:	OPTION 7
From Node:	FDOT-5B
To Node:	NZA-E8
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.46 ft
Control Elevation:	4.46 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT5B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT5B	005Yr-024Hr	5.25	0.00	0.00	1.23	1.23	1.23
W-E8-FDOT5B	010Yr-024Hr	8.08	0.00	-0.03	1.42	1.42	1.42
W-E8-FDOT5B	025Yr-072Hr	9.90	0.00	1.63	1.52	1.52	1.52
W-E8-FDOT5B	100Yr-072Hr	11.54	0.00	-1.19	1.60	1.60	1.60

Weir Link: W-F1-F2

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.23 ft	**Discharge Coefficients**	
Control Elevation:	4.23 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-F2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	010Yr-024Hr	0.00	-1.69	0.00	0.00	0.00	0.00
W-F1-F2	025Yr-072Hr	1.34	-11.48	-0.01	-1.51	-1.51	-1.51
W-F1-F2	100Yr-072Hr	2.53	-19.64	1.96	-1.89	-1.89	-1.89

Weir Link: W-F1-G1

Scenario:	OPTION 7	**Bottom Clip**	

From Node:	NZA-F1
To Node:	NZA-G1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.28 ft
Control Elevation:	4.28 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-G1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	025Yr-072Hr	6.07	-1.32	0.01	0.78	0.78	0.78
W-F1-G1	100Yr-072Hr	6.95	-3.97	1.27	0.78	0.78	0.78

Weir Link: W-F2-F3

Scenario:	OPTION 7
From Node:	NZA-F3
To Node:	NZA-F2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.24 ft
Control Elevation:	4.24 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-F3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-F3	005Yr-024Hr	4.01	0.00	0.00	1.13	1.13	1.13
W-F2-F3	010Yr-024Hr	10.40	0.00	0.00	1.55	1.55	1.55
W-F2-F3	025Yr-072Hr	20.08	0.00	0.00	1.93	1.93	1.93
W-F2-F3	100Yr-072Hr	27.70	0.00	-0.01	2.52	2.52	2.52

Weir Link: W-F2-G2

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-F2	Default:	0.00 ft
To Node:	NZA-G2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.01 ft	Discharge Coefficients	
Control Elevation:	4.01 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-G2	005Yr-024Hr	4.29	0.00	0.00	1.15	1.15	1.15
W-F2-G2	010Yr-024Hr	10.67	0.00	0.00	1.56	1.56	1.56
W-F2-G2	025Yr-072Hr	17.50	0.00	-2.91	1.84	1.84	1.84
W-F2-G2	100Yr-072Hr	23.34	0.00	-3.02	2.12	2.12	2.12

Weir Link: W-F3-F4

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Gravel Road Vertical
Geometry Type:	Rectangular
Invert:	4.77 ft
Control Elevation:	4.77 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F3-F4	005Yr-024Hr	0.00	-1.60	0.00	0.00	0.00	0.00
W-F3-F4	010Yr-024Hr	0.00	-6.62	0.00	0.00	0.00	0.00
W-F3-F4	025Yr-072Hr	0.00	-14.26	0.00	0.00	0.00	0.00
W-F3-F4	100Yr-072Hr	0.00	-25.18	0.00	-2.29	-2.29	-2.29

Weir Link: W-F4-F5

Scenario:	OPTION 7
From Node:	NZA-F5
To Node:	NZA-F4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.03 ft
Control Elevation:	5.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	010Yr-024Hr	1.59	0.00	0.00	0.83	0.83	0.83
W-F4-F5	025Yr-072Hr	9.09	0.00	0.00	1.48	1.48	1.48
W-F4-F5	100Yr-072Hr	22.07	0.00	0.00	2.01	2.01	2.01

Weir Link: W-F4-G4

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-F4	Default:	0.00 ft
To Node:	NZA-G4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.05 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	025Yr-072Hr	1.86	0.00	0.00	0.87	0.87	0.87
W-F4-G4	100Yr-072Hr	7.89	0.00	2.06	1.13	1.13	1.13

Weir Link: W-F5-F6

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-F6	Default:	0.00 ft
To Node:	NZA-F5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.81 ft
Control Elevation:	4.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F5-F6	005Yr-024Hr	0.00	-1.09	0.00	0.00	0.00	0.00
W-F5-F6	010Yr-024Hr	2.23	-3.16	-0.01	0.91	0.91	0.91
W-F5-F6	025Yr-072Hr	3.81	-3.52	0.02	-0.82	-0.82	-0.82
W-F5-F6	100Yr-072Hr	12.18	-5.11	-1.50	1.11	1.11	1.11

Weir Link: W-F6-F7

Scenario:	OPTION 7
From Node:	NZA-F7
To Node:	NZA-F6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.63 ft
Control Elevation:	4.63 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F6-F7	005Yr-024Hr	1.48	-4.87	-0.01	-1.03	-1.03	-1.03
W-F6-F7	010Yr-024Hr	6.05	-8.06	-0.01	1.28	1.28	1.28
W-F6-F7	025Yr-072Hr	2.15	-10.03	1.90	-0.99	-0.99	-0.99

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	100Yr-072Hr	5.68	-11.88	1.85	-1.17	-1.17	-1.17

Weir Link: W-F7-F8

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-F7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.60 ft	Discharge Coefficients	
Control Elevation:	4.60 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F7-F8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F7-F8	005Yr-024Hr	0.00	-7.07	0.00	-1.36	-1.36	-1.36
W-F7-F8	010Yr-024Hr	2.05	-12.95	0.02	-1.42	-1.42	-1.42
W-F7-F8	025Yr-072Hr	0.00	-15.16	3.02	-1.38	-1.38	-1.38
W-F7-F8	100Yr-072Hr	0.00	-19.53	2.04	-1.84	-1.84	-1.84

Weir Link: W-F8-F9

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-F9	Default:	0.00 ft
To Node:	NZA-F8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.75 ft	Discharge Coefficients	
Control Elevation:	4.75 ft	Weir Default:	2.800

Max Depth:	0.50 ft		
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-F9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F8-F9	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F8-F9	010Yr-024Hr	0.00	-7.51	0.00	-1.38	-1.38	-1.38
W-F8-F9	025Yr-072Hr	0.00	-9.94	-1.07	-1.52	-1.52	-1.52
W-F8-F9	100Yr-072Hr	0.40	-13.87	-0.72	-1.70	-1.70	-1.70

Weir Link: W-F8-G8

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	0.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-G8	005Yr-001Hr	2.99	-0.94	-0.01	0.27	0.27	0.27
W-F8-G8	005Yr-024Hr	4.93	-0.69	-0.01	0.45	0.45	0.45
W-F8-G8	010Yr-024Hr	8.38	-0.68	-0.01	0.76	0.76	0.76
W-F8-G8	025Yr-072Hr	9.33	-0.74	0.01	0.85	0.85	0.85
W-F8-G8	100Yr-072Hr	9.18	-0.69	0.02	0.83	0.83	0.83

Weir Link: W-F9-FDOT2A			
Scenario:	OPTION 7	Bottom Clip	
From Node:	FDOT-2A	Default:	0.00 ft
To Node:	NZA-F9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F9-FDOT2A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2A	005Yr-024Hr	0.02	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2A	010Yr-024Hr	3.66	0.00	-0.04	1.09	1.09	1.09
W-F9-FDOT2A	025Yr-072Hr	6.97	0.00	-0.08	1.35	1.35	1.35
W-F9-FDOT2A	100Yr-072Hr	10.80	0.00	-0.14	1.57	1.57	1.57

Weir Link: W-G1-G2			
Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.36 ft	Discharge Coefficients	
Control Elevation:	4.36 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G1-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	025Yr-072Hr	1.66	-8.30	-0.01	-1.35	-1.35	-1.35
W-G1-G2	100Yr-072Hr	6.80	-8.15	0.56	1.33	1.33	1.33

Weir Link: W-G2-G3

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-G3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.13 ft	Discharge Coefficients	
Control Elevation:	4.13 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-G3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	010Yr-024Hr	0.00	-7.16	0.00	0.00	0.00	0.00
W-G2-G3	025Yr-072Hr	0.00	-22.38	0.00	-2.03	-2.03	-2.03
W-G2-G3	100Yr-072Hr	0.00	-29.54	1.25	-2.69	-2.69	-2.69

Weir Link: W-G2-I1

Scenario:	OPTION 7	Bottom Clip	

From Node:	NZA-G2		
To Node:	NZA-I1	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.29 ft	Ref Node:	
Control Elevation:	4.29 ft	**Discharge Coefficients**	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-I1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	025Yr-072Hr	12.06	0.00	0.00	1.63	1.63	1.63
W-G2-I1	100Yr-072Hr	19.86	0.00	-2.06	1.87	1.87	1.87

Weir Link: W-G2-OUTFALL

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	OUTFALL (89th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	**Discharge Coefficients**	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	100Yr-072Hr	3.84	0.00	0.00	1.11	1.11	1.11

Weir Link: W-G3-G4

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-G3	Default:	0.00 ft
To Node:	NZA-G4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.73 ft	**Discharge Coefficients**	
Control Elevation:	4.73 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G3-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	010Yr-024Hr	0.00	-3.32	0.00	0.00	0.00	0.00
W-G3-G4	025Yr-072Hr	0.00	-13.90	0.00	0.00	0.00	0.00
W-G3-G4	100Yr-072Hr	0.00	-27.79	0.00	-2.53	-2.53	-2.53

Weir Link: W-G4-G5

Scenario:	OPTION 7	**Bottom Clip**	

From Node:	NZA-G4		
To Node:	NZA-G5	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.84 ft	Ref Node:	
Control Elevation:	4.84 ft	**Discharge Coefficients**	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G4-G5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	010Yr-024Hr	0.00	-6.49	0.00	0.00	0.00	0.00
W-G4-G5	025Yr-072Hr	0.00	-13.92	0.00	-1.71	-1.71	-1.71
W-G4-G5	100Yr-072Hr	0.00	-20.60	1.35	-1.87	-1.87	-1.87

Weir Link: W-G5-G6

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	**Discharge Coefficients**	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G5-G6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G5-G6	005Yr-024Hr	3.64	0.00	0.00	1.01	1.01	1.01
W-G5-G6	010Yr-024Hr	5.37	-1.32	-2.13	1.05	1.05	1.05
W-G5-G6	025Yr-072Hr	10.90	-1.76	-2.12	1.04	1.04	1.04
W-G5-G6	100Yr-072Hr	13.33	0.00	-1.38	1.21	1.21	1.21

Weir Link: W-G6-G8

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.55 ft	Discharge Coefficients	
Control Elevation:	4.55 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G6-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G6-G8	005Yr-024Hr	1.56	-2.00	0.01	-0.88	-0.88	-0.88
W-G6-G8	010Yr-024Hr	3.60	-3.26	-0.91	-1.05	-1.05	-1.05
W-G6-G8	025Yr-072Hr	3.89	-6.51	2.12	-1.10	-1.10	-1.10
W-G6-G8	100Yr-072Hr	0.00	-7.92	1.80	-1.14	-1.14	-1.14

Weir Link: W-G7-G8

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-G7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.44 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G7-G8	005Yr-024Hr	6.21	0.00	0.00	1.30	1.30	1.30
W-G7-G8	010Yr-024Hr	8.79	0.00	2.08	1.45	1.45	1.45
W-G7-G8	025Yr-072Hr	9.24	-0.26	1.92	1.47	1.47	1.47
W-G7-G8	100Yr-072Hr	8.70	-2.64	-1.23	1.46	1.46	1.46

Weir Link: W-G8-G9

Scenario:	OPTION 7
From Node:	NZA-G8
To Node:	NZA-G9
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.63 ft
Control Elevation:	4.63 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-G9	005Yr-024Hr	0.00	-3.07	0.00	-1.03	-1.03	-1.03

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	010Yr-024Hr	0.00	-8.17	-0.04	-1.42	-1.42	-1.42
W-G8-G9	025Yr-072Hr	0.00	-10.13	-1.77	-1.52	-1.52	-1.52
W-G8-G9	100Yr-072Hr	0.00	-11.17	-1.74	-1.56	-1.56	-1.56

Weir Link: W-G8-I7

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.70 ft	Discharge Coefficients	
Control Elevation:	4.70 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-I7	005Yr-024Hr	0.00	-0.45	0.00	0.00	0.00	0.00
W-G8-I7	010Yr-024Hr	0.00	-13.95	0.00	-1.71	-1.71	-1.71
W-G8-I7	025Yr-072Hr	0.00	-20.82	0.00	-1.92	-1.92	-1.92
W-G8-I7	100Yr-072Hr	0.00	-21.80	2.87	-1.98	-1.98	-1.98

Weir Link: W-G9-FDOT3A

Scenario:	OPTION 7	Bottom Clip	
From Node:	FDOT-3A	Default:	0.00 ft
To Node:	NZA-G9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	

Invert:	4.31 ft
Control Elevation:	4.31 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G9-FDOT3 A	005Yr-001Hr	2.37	0.00	0.00	0.87	0.87	0.87
W-G9-FDOT3 A	005Yr-024Hr	2.70	0.00	0.00	0.97	0.97	0.97
W-G9-FDOT3 A	010Yr-024Hr	3.26	0.00	1.29	0.92	0.92	0.92
W-G9-FDOT3 A	025Yr-072Hr	3.62	0.00	1.05	0.97	0.97	0.97
W-G9-FDOT3 A	100Yr-072Hr	4.29	0.00	0.79	1.15	1.15	1.15

Weir Link: W-I1-I2

Scenario:	OPTION 7
From Node:	NZA-I2
To Node:	NZA-I1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.03 ft
Control Elevation:	4.03 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-I2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-I2	005Yr-024Hr	7.89	0.00	0.00	1.41	1.41	1.41
W-I1-I2	010Yr-024Hr	14.25	0.00	0.00	1.72	1.72	1.72
W-I1-I2	025Yr-072Hr	19.15	0.00	0.00	1.90	1.90	1.90
W-I1-I2	100Yr-072Hr	28.44	0.00	-2.93	2.59	2.59	2.59

Weir Link: W-I1-OUTFALL

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-I1	Default:	0.00 ft
To Node:	OUTFALL (88th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	**Discharge Coefficients**	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	100Yr-072Hr	2.22	0.00	0.00	0.92	0.92	0.92

Weir Link: W-I2-I3

Scenario:	OPTION 7	**Bottom Clip**	

From Node:	NZA-I2		
To Node:	NZA-I3	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.55 ft	Ref Node:	
Control Elevation:	4.55 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I2-I3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I2-I3	005Yr-024Hr	0.00	-6.77	0.00	0.00	0.00	0.00
W-I2-I3	010Yr-024Hr	0.00	-11.05	0.00	0.00	0.00	0.00
W-I2-I3	025Yr-072Hr	0.00	-14.21	0.00	0.00	0.00	0.00
W-I2-I3	100Yr-072Hr	0.00	-21.61	1.50	-1.97	-1.97	-1.97

Weir Link: W-I3-I4

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-I3	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.56 ft	Discharge Coefficients	
Control Elevation:	4.56 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I3-I4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I3-I4	005Yr-024Hr	0.13	-3.14	0.00	-0.64	-0.64	-0.64
W-I3-I4	010Yr-024Hr	0.13	-5.20	0.00	-0.76	-0.76	-0.76
W-I3-I4	025Yr-072Hr	0.12	-6.71	0.00	-0.96	-0.96	-0.96
W-I3-I4	100Yr-072Hr	0.17	-14.17	2.06	-1.29	-1.29	-1.29

Weir Link: W-I4-I5

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-I5	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.86 ft	Discharge Coefficients	
Control Elevation:	4.86 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I4-I5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	010Yr-024Hr	0.04	-0.03	0.00	0.00	0.00	0.00
W-I4-I5	025Yr-072Hr	2.50	-0.65	0.00	0.96	0.96	0.96
W-I4-I5	100Yr-072Hr	8.78	-0.95	0.01	1.44	1.44	1.44

Weir Link: W-I5-I6

Scenario:	OPTION 7	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.70 ft
Control Elevation:	4.70 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I5-I6	005Yr-024Hr	0.00	-1.59	0.00	0.00	0.00	0.00
W-I5-I6	010Yr-024Hr	0.00	-4.43	0.00	-0.95	-0.95	-0.95
W-I5-I6	025Yr-072Hr	0.00	-6.75	0.01	-1.30	-1.30	-1.30
W-I5-I6	100Yr-072Hr	2.98	-11.47	-0.83	-1.60	-1.60	-1.60

Weir Link: W-I6-I7

Scenario:	OPTION 7
From Node:	NZA-I6
To Node:	NZA-I7
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.48 ft
Control Elevation:	4.48 ft
Max Depth:	0.50 ft
Max Width:	11.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-I7	005Yr-024Hr	0.00	-0.04	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	010Yr-024Hr	0.00	-10.86	0.00	-1.98	-1.98	-1.98
W-I6-I7	025Yr-072Hr	0.00	-15.34	0.00	-2.79	-2.79	-2.79
W-I6-I7	100Yr-072Hr	0.00	-17.59	0.00	-3.20	-3.20	-3.20

Weir Link: W-I6-OUTFALL

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	OUTFALL (CARLYLE)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	7.30 ft	**Discharge Coefficients**	
Control Elevation:	7.30 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-I7-I8

Scenario:	OPTION 7	**Bottom Clip**	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-I8	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.58 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I7-I8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I7-I8	005Yr-024Hr	0.00	-4.38	0.00	0.00	0.00	0.00
W-I7-I8	010Yr-024Hr	0.00	-10.64	0.00	-1.56	-1.56	-1.56
W-I7-I8	025Yr-072Hr	0.00	-14.55	-1.77	-1.73	-1.73	-1.73
W-I7-I8	100Yr-072Hr	0.00	-18.68	2.64	-1.87	-1.87	-1.87

Weir Link: W-I8-FDOT4A

Scenario:	OPTION 7
From Node:	FDOT-4A
To Node:	NZA-I8
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	3.87 ft
Control Elevation:	3.87 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [OPTION 7]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I8-FDOT4A	005Yr-001Hr	3.87	0.00	1.35	0.88	0.88	0.88
W-I8-FDOT4A	005Yr-024Hr	6.04	0.00	1.45	1.28	1.28	1.28
W-I8-FDOT4A	010Yr-024Hr	6.09	0.00	-1.96	1.29	1.29	1.29
W-I8-FDOT4A	025Yr-072Hr	6.16	0.00	2.31	1.29	1.29	1.29
W-I8-FDOT4A	100Yr-072Hr	7.27	0.00	3.07	1.28	1.28	1.28

Rating Curve: RC-0001

Scenario: OPTION 7
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	39.60
9.90	39.60

Comment: Surfside Drainage Wells:
DW 1: 620 GPM/FT
DW 2: 800 GPM/FT
DW 3: 800 GPM/FT

Rating Curve: RC-0002

Scenario: OPTION 7
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	33.00
9.90	33.00

Comment: Surfside Drainage Wells:
DW 4: 500 GPM/FT
DW 5: 800 GPM/FT
DW 6: 550 GPM/FT

Rating Curve: RC-0003

Scenario: OPTION 7
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	27.67
9.90	27.67

Comment: Surfside Drainage Wells:
DW 7: 500 GPM/FT
DW 8: 400 GPM/FT
DW 9: 650 GPM/FT

Rating Curve: RC-0004

Scenario: OPTION 7
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	14.20
8.00	14.20

Comment: Existing Surfside Pump Station (92nd)

Rating Curve: RC-0005

Scenario: OPTION 7
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	42.88
9.90	42.88

Comment: FDOT Drainage Wells:
600 GPM/FT

Rating Curve: RC-PROPOSED-92ND

Scenario: OPTION 7
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	44.64
8.00	44.64

Comment: DW-14, DW-15, DW-16
@ 500 MGP

Rating Curve: RC-PROPOSED-TEST

Scenario: OPTION 7

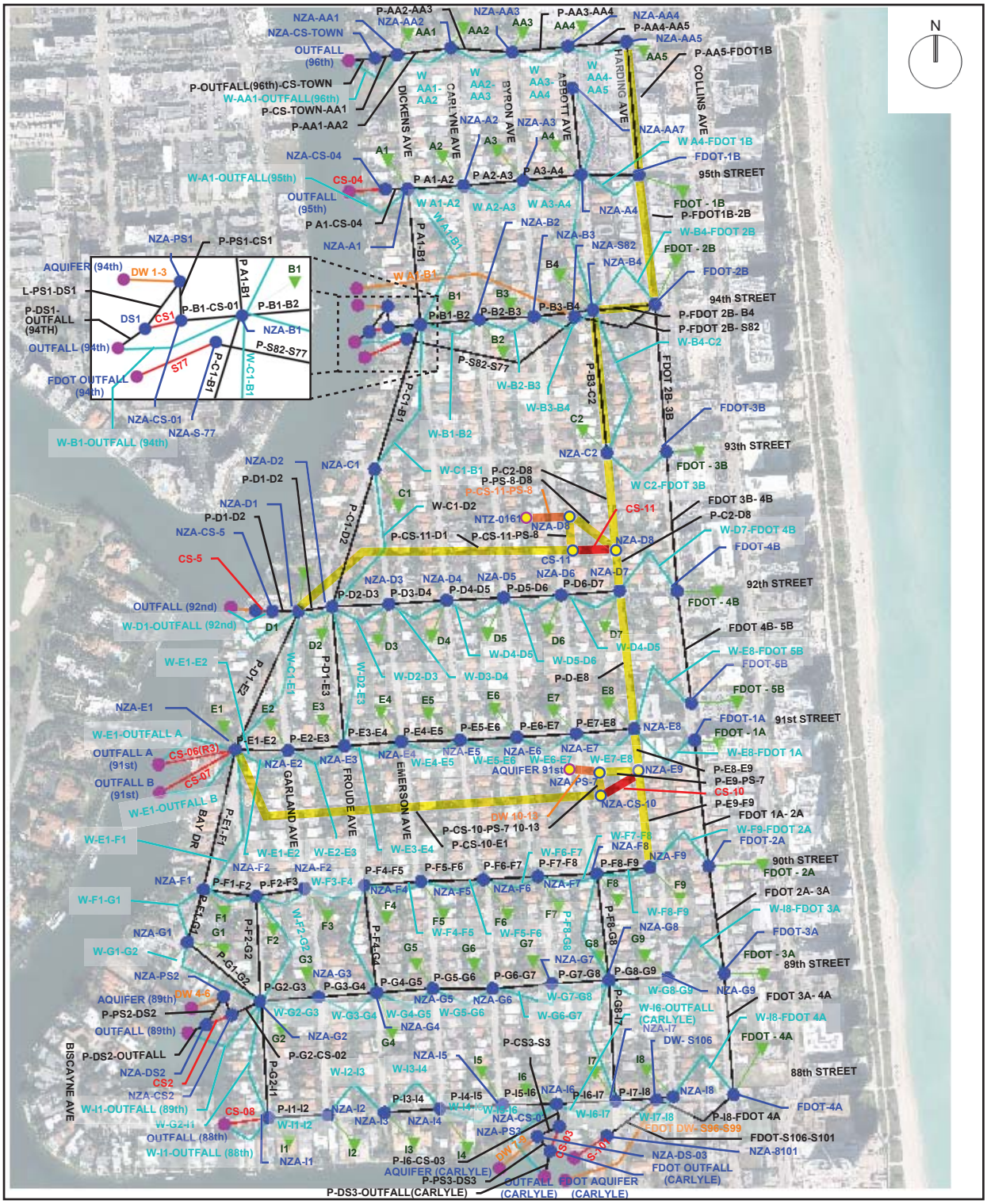
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	26.70
8.00	26.70

Comment: DW-10, DW-11, DW-12 AT 500 GMP

Appendix Q – Combined Solutions (1, 2 & 7)

ICPR - NETWORK DIAGRAM
(RECOMENDED SCENERIO)



NOT TO SCALE

LEGEND

- OUTFALL
- NODE
- BASINS
- DROP STRUCTURES
- RATING CURVE
- PIPE LINKS
- WEIR LINKS

W-XX	WEIR
P-XX	PIPE
CS	CONTROL STRUCTURE
DS	DISCHARGE STRUCTURE
DW	DRAINAGE WELL

- PIPE LINKS (PROPOSED)
- PIPE LINKS (UPSIZE EXISTING)
- RATING CURVE (PROPOSED)
- DROP STRUCTURE (PROPOSED)
- NODE (PROPOSED)
- OUTFALL (PROPOSED)

KEITH
Engineering Inspired Design.

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED MH
- PROPOSED DRAINAGE WELL
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

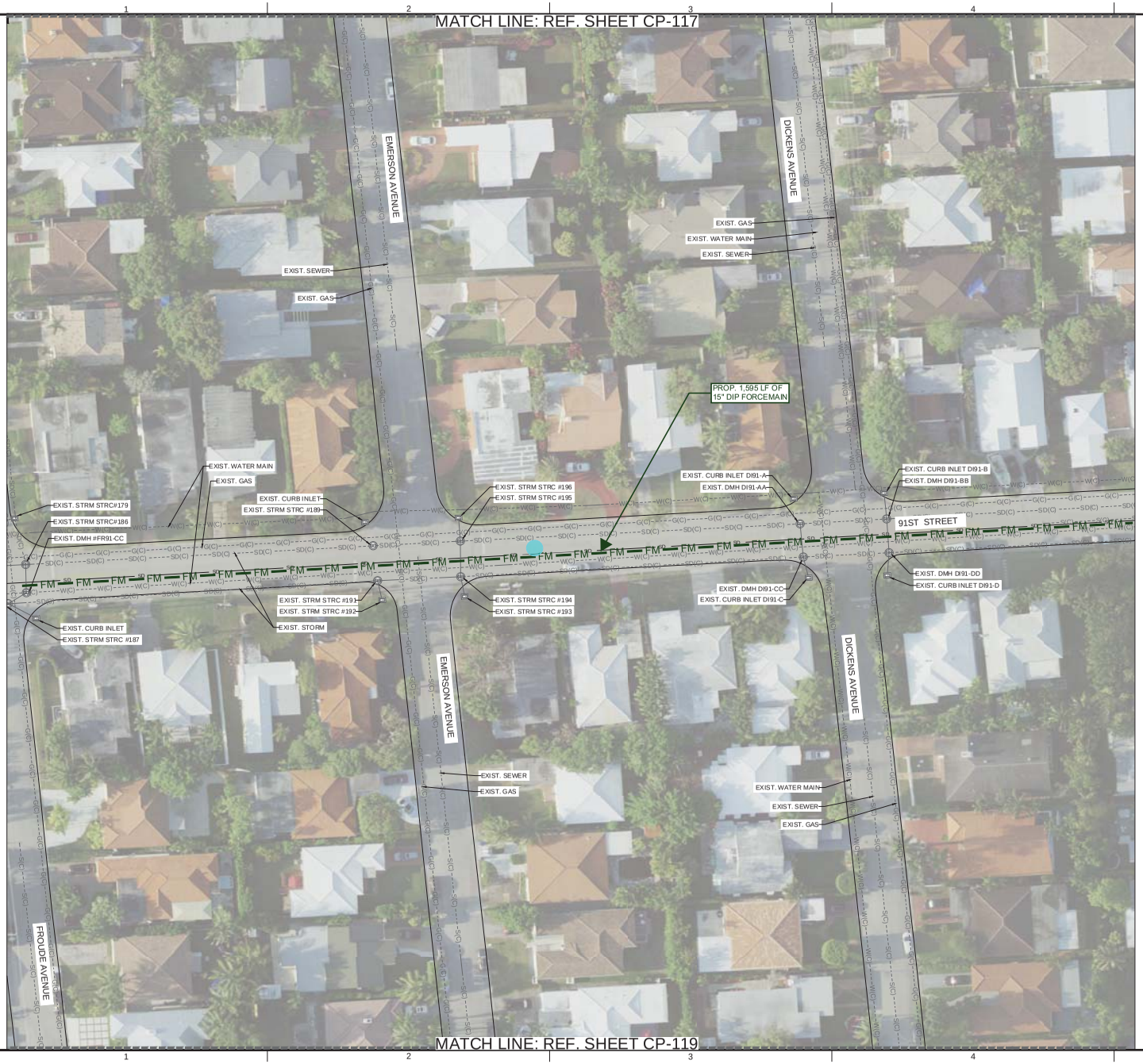
COMBINED SCENARIOS

SHEET NUMBER CP-117

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM



N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED MH
- PROPOSED DRAINAGE WELL
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

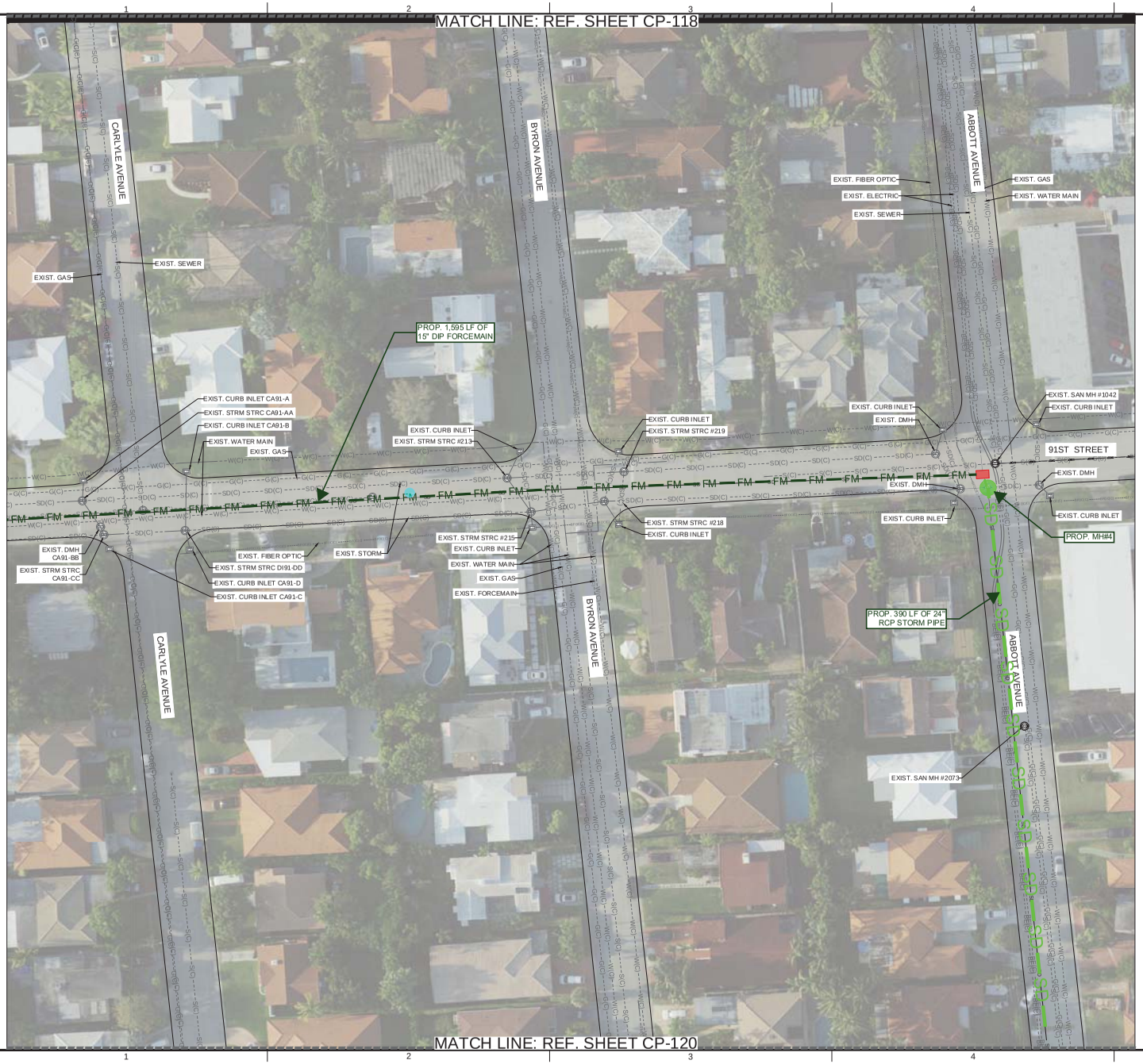
COMBINED SCENARIOS

SHEET NUMBER CP-108

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM



N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED MH
- PROPOSED DRAINAGE WELL
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

COMBINED SCENARIOS

SHEET NUMBER CP-119

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED MH
- PROPOSED DRAINAGE WELL
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

COMBINED SCENARIOS

SHEET NUMBER CP-120

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED MH
- PROPOSED DRAINAGE WELL
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

COMBINED SCENARIOS

SHEET NUMBER CP-123

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED MH
- PROPOSED DRAINAGE WELL
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT
TOWN OF SURFSIDE

PROJECT
ABBOTT AVENUE DRAINAGE IMPROVEMENTS

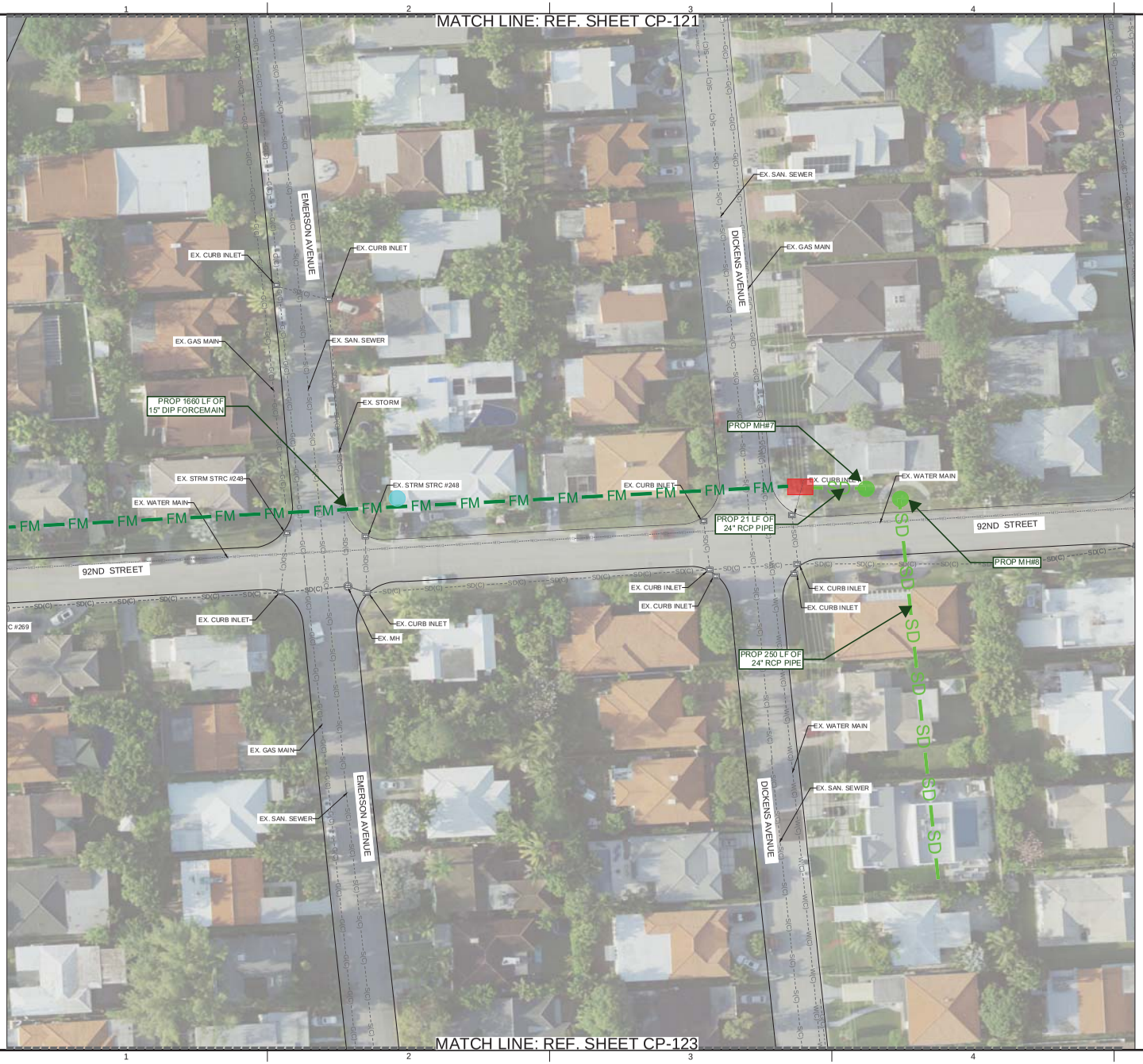
SHEET TITLE
COMBINED SCENARIOS

SHEET NUMBER CP-121

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM



N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED MH
- PROPOSED DRAINAGE WELL
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

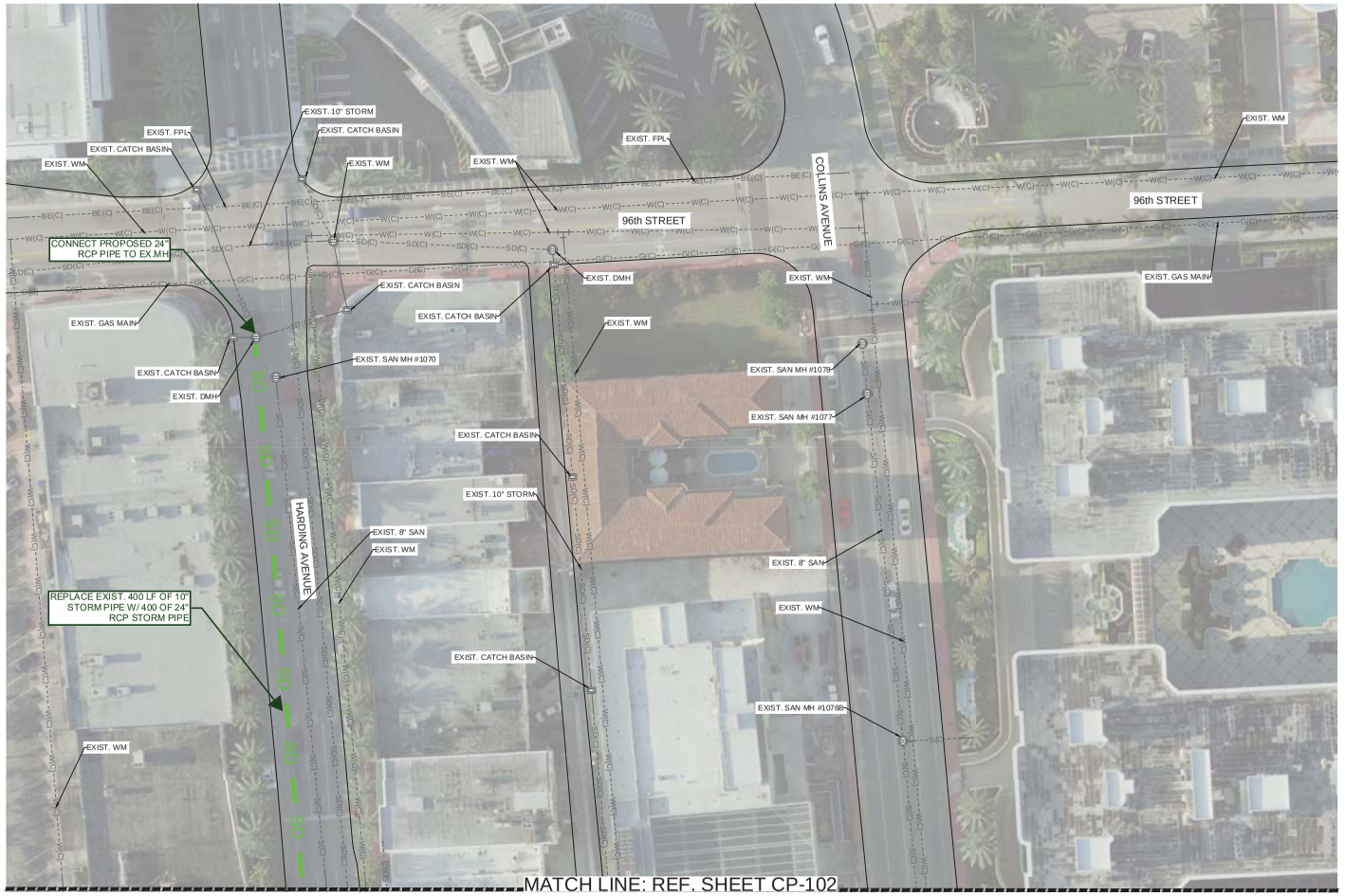
SHEET TITLE

COMBINED SCENARIOS

SHEET NUMBER CP-122

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY



N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

COMBINED SCENARIOS

SHEET NUMBER **CP-101**

PROJECT NUMBER **11494.00**

STATUS: PRELIMINARY

Plotted by: mbrooks On Wednesday, September 23, 2020 9:40:08 AM

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- PROPOSED 24" RCP PIPE
- PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

COMBINED SCENARIOS

SHEET NUMBER CP-102

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: mbrooks On Wednesday, September 29, 2021 9:40:08 AM

N

GRAPHIC SCALE
0 30 60
SCALE: 1" = 30 '
NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE

Plotted By: mbrooks On Wednesday, September 23, 2020 9:46:09 AM

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

COMBINED SCENARIOS

SHEET NUMBER CP-103

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

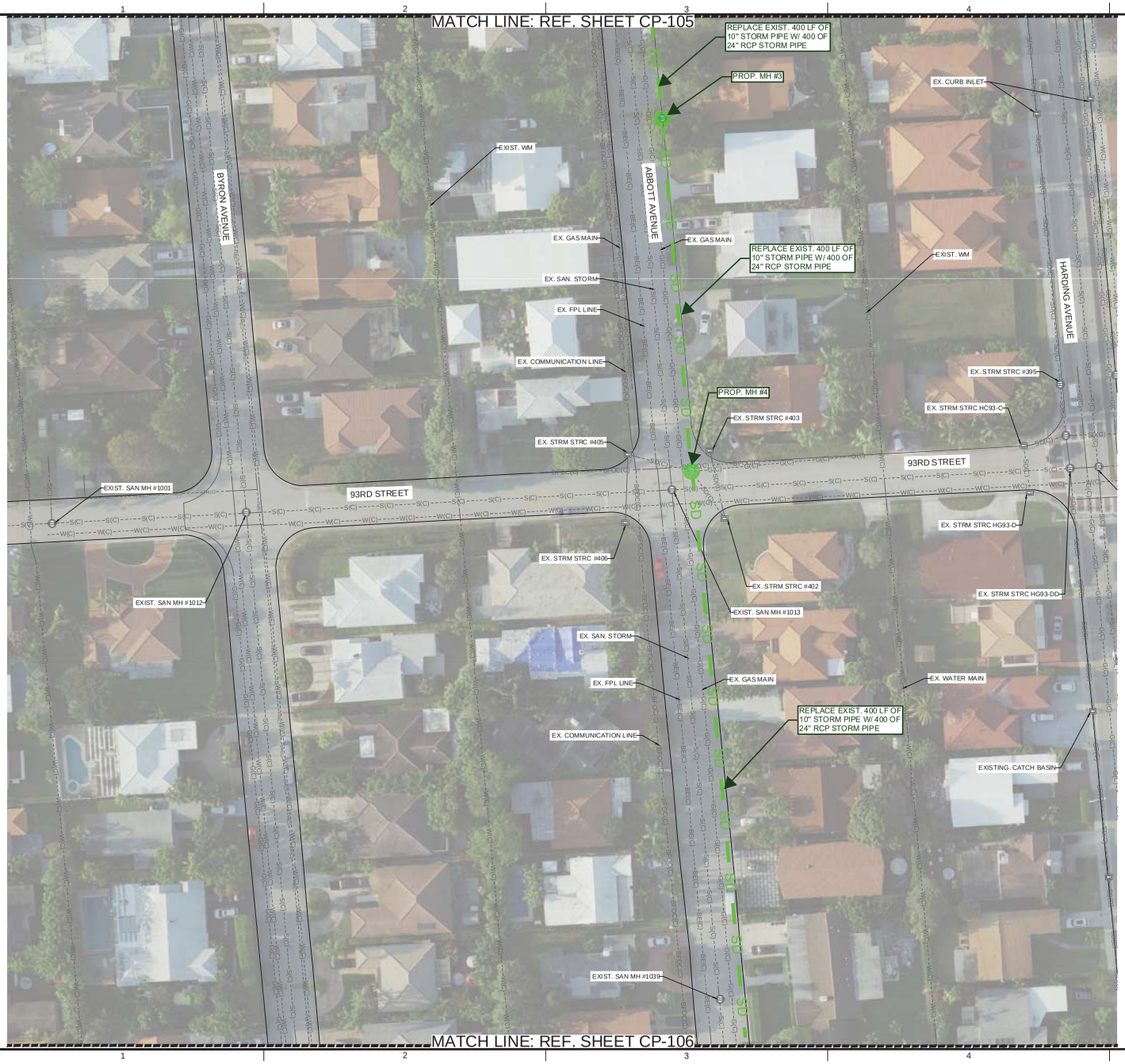
COMBINED SCENARIOS

SHEET NUMBER CP-104

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 9:46:28 AM



N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30'

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

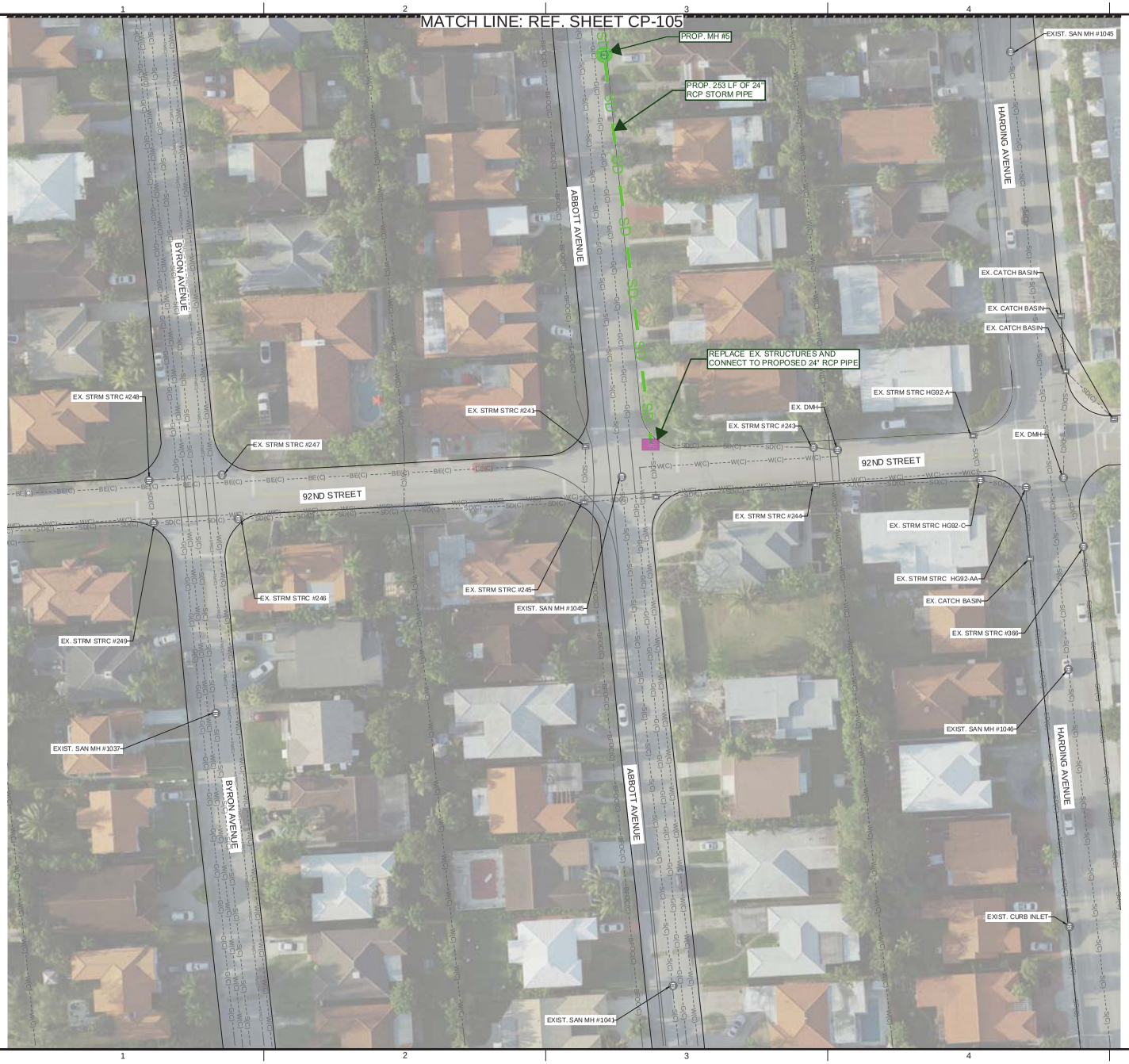
COMBINED SCENARIOS

SHEET NUMBER CP-105

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 9:46:28 AM



N

GRAPHIC SCALE

0 30 60

SCALE: 1" = 30 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

LEGEND

- SD — PROPOSED 24" RCP PIPE
- FM — FM — PROPOSED 15" DIP FORCEMAIN
- PROPOSED DRAINAGE WELL
- PROPOSED MH
- PROPOSED STORMWATER PUMP STATION
- PROPOSED CB
- PROPOSED CONTROL STRUCTURE

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988) BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES, INC TO CONVERT NAVD 1988 ELEVATIONS TO NGVD 1929 FOR THE PROPERTY, 1.585 MUST BE ADDED TO THE NAVD 1988 ELEVATION.

KEY MAP

NOT TO SCALE

KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

NO.	DESCRIPTION	DATE
	REVISIONS	

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	JUNE 2021
DESIGNED BY:	CM
DRAWN BY:	VC
CHECKED BY:	SW
BID-CONTRACT:	

STEPHEN D. WILLIAMS, P.E.
FLORIDA REG. NO. 32090
(FOR THE FIRM)

CLIENT

TOWN OF SURFSIDE

PROJECT

ABBOTT AVENUE DRAINAGE IMPROVEMENTS

SHEET TITLE

COMBINED SCENARIOS

SHEET NUMBER CP-106

PROJECT NUMBER 11494.00

STATUS: PRELIMINARY

Plotted by: vcolonna On Wednesday, September 23, 2020 9:46:28 AM

Background Image: NETWORK DIAGRAM

---Unable to Generate Chart---

Simulation: 005Yr-001Hr

Scenario: COMBINED SOLUTIONS
Run Date/Time: 6/15/2021 11:09:14 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	1.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~FDOT-1
		Rainfall Amount:	3.20 in
Edge Length Option:	Automatic	Storm Duration:	1.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 005Yr-024Hr

Scenario: COMBINED SOLUTIONS
Run Date/Time: 6/15/2021 11:09:28 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources		Lookup Tables	
Rainfall Folder:		Boundary Stage Set:	
		Extern Hydrograph Set:	
Unit Hydrograph Folder:		Curve Number Set:	
		Green-Ampt Set:	
		Vertical Layers Set:	
		Impervious Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SCSIII-24
		Rainfall Amount:	6.50 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 010Yr-024Hr

Scenario: COMBINED SOLUTIONS
Run Date/Time: 6/15/2021 11:11:13 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time:	0	0	0	24.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~SCSIII-24
Rainfall Amount: 8.52 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 025Yr-072Hr

Scenario: COMBINED SOLUTIONS
Run Date/Time: 6/15/2021 11:13:03 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	13.10 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simulation: 100Yr-072Hr

Scenario: COMBINED SOLUTIONS
Run Date/Time: 6/15/2021 11:17:33 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	60.0000	0.1000
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft		
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	~SFWMD-72
		Rainfall Amount:	17.60 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area (1D):	100 ft2
		Energy Switch (1D):	Energy

Comment:

Simple Basin: A1

Scenario:	COMBINED SOLUTIONS
Node:	NZA-A1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7600 ac
Curve Number:	85.0

% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A2

Scenario:	COMBINED SOLUTIONS
Node:	NZA-A2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A3

Scenario:	COMBINED SOLUTIONS
Node:	NZA-A3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: A4

Scenario:	COMBINED SOLUTIONS
Node:	NZA-A4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA1

Scenario:	COMBINED SOLUTIONS
Node:	NZA-AA1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA2

Scenario:	COMBINED SOLUTIONS
Node:	NZA-AA2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA3

Scenario:	COMBINED SOLUTIONS
Node:	NZA-AA3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA4

Scenario:	COMBINED SOLUTIONS
Node:	NZA-AA4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.1300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: AA5

Scenario:	COMBINED SOLUTIONS
Node:	NZA-AA5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B1

Scenario:	COMBINED SOLUTIONS
Node:	NZA-B1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B2

Scenario:	COMBINED SOLUTIONS
Node:	NZA-B2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.2700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B3

Scenario:	COMBINED SOLUTIONS
Node:	NZA-B3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: B4

Scenario:	COMBINED SOLUTIONS
Node:	NZA-B4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C1

Scenario:	COMBINED SOLUTIONS
Node:	NZA-C1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: C2

Scenario:	COMBINED SOLUTIONS
Node:	NZA-C2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.4800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D1

Scenario:	COMBINED SOLUTIONS
Node:	NZA-D1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D2

Scenario:	COMBINED SOLUTIONS
Node:	NZA-D2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D3

Scenario:	COMBINED SOLUTIONS
Node:	NZA-D3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D4

Scenario:	COMBINED SOLUTIONS
Node:	NZA-D4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D5

Scenario:	COMBINED SOLUTIONS
Node:	NZA-D5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.8200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D6

Scenario:	COMBINED SOLUTIONS
Node:	NZA-D6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	9.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: D7

Scenario:	COMBINED SOLUTIONS
Node:	NZA-D7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.5500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E1

Scenario:	COMBINED SOLUTIONS
Node:	NZA-E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E2

Scenario:	COMBINED SOLUTIONS
Node:	NZA-E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E3

Scenario:	COMBINED SOLUTIONS
Node:	NZA-E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E4

Scenario:	COMBINED SOLUTIONS
Node:	NZA-E4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E5

Scenario:	COMBINED SOLUTIONS
Node:	NZA-E5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E6

Scenario:	COMBINED SOLUTIONS
Node:	NZA-E6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E7

Scenario:	COMBINED SOLUTIONS
Node:	NZA-E7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: E8

Scenario:	COMBINED SOLUTIONS
Node:	NZA-E8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F1

Scenario:	COMBINED SOLUTIONS
Node:	NZA-F1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.6300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F2

Scenario:	COMBINED SOLUTIONS
Node:	NZA-F2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.5700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F3

Scenario:	COMBINED SOLUTIONS
Node:	NZA-F3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F4

Scenario:	COMBINED SOLUTIONS
Node:	NZA-F4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F5

Scenario:	COMBINED SOLUTIONS
Node:	NZA-F5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.7800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F6

Scenario:	COMBINED SOLUTIONS
Node:	NZA-F6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F7

Scenario:	COMBINED SOLUTIONS
Node:	NZA-F7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F8

Scenario:	COMBINED SOLUTIONS
Node:	NZA-F8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.9000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: F9

Scenario:	COMBINED SOLUTIONS
Node:	NZA-F9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1A

Scenario:	COMBINED SOLUTIONS
Node:	FDOT-1A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-1B

Scenario:	COMBINED SOLUTIONS
Node:	FDOT-1B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.9700 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2A

Scenario:	COMBINED SOLUTIONS
Node:	FDOT-2A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-2B

Scenario:	COMBINED SOLUTIONS
Node:	FDOT-2B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.0500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3A

Scenario:	COMBINED SOLUTIONS
Node:	FDOT-3A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.5900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-3B

Scenario:	COMBINED SOLUTIONS
Node:	FDOT-3B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4A

Scenario:	COMBINED SOLUTIONS
Node:	FDOT-4A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.3400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-4B

Scenario:	COMBINED SOLUTIONS
Node:	FDOT-4B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.3000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: FDOT-5B

Scenario:	COMBINED SOLUTIONS
Node:	FDOT-5B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.9600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G1

Scenario:	COMBINED SOLUTIONS
Node:	NZA-G1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1000 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G2

Scenario:	COMBINED SOLUTIONS
Node:	NZA-G2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.2600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G3

Scenario:	COMBINED SOLUTIONS
Node:	NZA-G3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4300 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G4

Scenario:	COMBINED SOLUTIONS
Node:	NZA-G4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.0800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G5

Scenario:	COMBINED SOLUTIONS
Node:	NZA-G5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.1900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G6

Scenario:	COMBINED SOLUTIONS
Node:	NZA-G6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.7900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G7

Scenario:	COMBINED SOLUTIONS
Node:	NZA-G7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G8

Scenario:	COMBINED SOLUTIONS
Node:	NZA-G8
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4400 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: G9

Scenario:	COMBINED SOLUTIONS
Node:	NZA-G9
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.4900 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I1

Scenario:	COMBINED SOLUTIONS
Node:	NZA-I1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	1.3600 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I2

Scenario:	COMBINED SOLUTIONS
Node:	NZA-I2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.1800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I3

Scenario:	COMBINED SOLUTIONS
Node:	NZA-I3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.3800 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I4

Scenario:	COMBINED SOLUTIONS
Node:	NZA-I4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.4500 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I5

Scenario:	COMBINED SOLUTIONS
Node:	NZA-I5
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs

Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.8100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I6

Scenario:	COMBINED SOLUTIONS
Node:	NZA-I6
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	2.2100 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin: I7

Scenario:	COMBINED SOLUTIONS
Node:	NZA-I7
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	30.0000 min
Max Allowable Q:	0.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1200 ac
Curve Number:	85.0
% Impervious:	0.00
% DCIA:	0.00

% Direct: 0.00
Rainfall Name:

Comment:

Simple Basin: I8

Scenario: COMBINED SOLUTIONS
Node: NZA-I8
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 30.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH256
Peaking Factor: 256.0
Area: 3.9500 ac
Curve Number: 85.0
% Impervious: 0.00
% DCIA: 0.00
% Direct: 0.00
Rainfall Name:

Comment:

Node: AQUIFER (89th)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (89th)	005Yr-001Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	005Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	010Yr-024Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	025Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0
AQUIFER (89th)	100Yr-072Hr	8.00	-60.00	0.0000	33.00	0.00	0

Node: AQUIFER (94th)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (94th)	005Yr-001Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	005Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	010Yr-024Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	025Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0
AQUIFER (94th)	100Yr-072Hr	8.00	-60.00	0.0000	39.60	0.00	0

Node: AQUIFER (CARLYLE)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0
AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	0.00	0.00	0

Node: AQUIFER 91ST

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
AQUIFER 91ST	005Yr-001Hr	8.00	-60.00	0.0000	26.70	0.00	0
AQUIFER 91ST	005Yr-024Hr	8.00	-60.00	0.0000	26.70	0.00	0
AQUIFER 91ST	010Yr-024Hr	8.00	-60.00	0.0000	26.70	0.00	0
AQUIFER 91ST	025Yr-072Hr	8.00	-60.00	0.0000	26.70	0.00	0
AQUIFER 91ST	100Yr-072Hr	8.00	-60.00	0.0000	26.70	0.00	0

Node: FDOT AQUIFER (94TH)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (94TH)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (94TH)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT AQUIFER (CARLYLE)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -60.00 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-60.00
0	0	0	99999.0000	-60.00

Comment: FDOT AQUIFER

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT AQUIFER (CARLYLE)	005Yr-001Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	005Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	010Yr-024Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	025Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0
FDOT AQUIFER (CARLYLE)	100Yr-072Hr	8.00	-60.00	0.0000	42.88	0.00	0

Node: FDOT OUTFALL (94th)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT OUTFALL (CARLYLE)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0
FDOT OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	0

Node: FDOT-1A

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6200	27007
8.00	1.8900	82328

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-001Hr	4.86	4.49	0.0028	3.50	3.37	6942

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1A	005Yr-024Hr	4.86	4.70	0.0028	7.30	7.09	18190
FDOT-1A	010Yr-024Hr	4.86	4.79	0.0028	10.74	10.35	23079
FDOT-1A	025Yr-072Hr	4.86	5.10	0.0028	12.93	12.16	31204
FDOT-1A	100Yr-072Hr	4.86	5.61	0.0028	16.76	13.85	40314

Node: FDOT-1B

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.72	0.0001	4
5.22	0.4700	20473
8.00	0.8300	36155

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-1B	005Yr-001Hr	5.22	3.87	0.0138	17.80	17.80	1284
FDOT-1B	005Yr-024Hr	5.22	4.08	0.0138	19.06	19.08	1286
FDOT-1B	010Yr-024Hr	5.22	4.52	0.0138	21.66	21.63	1286
FDOT-1B	025Yr-072Hr	5.22	4.88	0.0138	22.13	22.81	6405
FDOT-1B	100Yr-072Hr	5.22	5.47	0.0138	28.40	33.00	21917

Node: FDOT-2A

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4

Stage [ft]	Area [ac]	Area [ft2]
3.44	0.0001	4
3.94	0.5100	22216
8.00	1.5000	65340

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2A	005Yr-001Hr	3.91	4.48	0.0077	13.22	3.73	27918
FDOT-2A	005Yr-024Hr	3.91	4.77	0.0077	12.51	8.27	31090
FDOT-2A	010Yr-024Hr	3.91	4.95	0.0077	16.59	12.70	32916
FDOT-2A	025Yr-072Hr	3.91	5.19	0.0077	20.27	15.19	35468
FDOT-2A	100Yr-072Hr	3.91	5.61	0.0077	27.64	18.98	40005

Node: FDOT-2B

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 5.21 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.71	0.0001	4
5.21	0.6200	27007
8.00	1.2300	53579

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-2B	005Yr-001Hr	5.21	2.59	0.0053	38.49	33.60	778
FDOT-2B	005Yr-024Hr	5.21	2.79	0.0053	38.49	38.21	778
FDOT-2B	010Yr-024Hr	5.21	3.99	0.0053	50.40	50.31	778
FDOT-2B	025Yr-072Hr	5.21	4.38	0.0053	53.22	53.07	778
FDOT-2B	100Yr-072Hr	5.21	4.99	0.0053	54.40	54.25	15272

Node: FDOT-3A

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.38	0.0001	4
4.88	0.5500	23958
8.00	1.3500	58806

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3A	005Yr-001Hr	4.88	4.47	0.0225	28.26	9.60	4304
FDOT-3A	005Yr-024Hr	4.88	4.77	0.0225	28.26	9.60	18570
FDOT-3A	010Yr-024Hr	4.88	4.94	0.0225	28.26	11.67	24673
FDOT-3A	025Yr-072Hr	4.88	5.17	0.0225	28.26	12.65	27252
FDOT-3A	100Yr-072Hr	4.88	5.56	0.0225	28.26	19.39	31599

Node: FDOT-3B

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.40 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.99	0.0001	4
4.40	0.6200	27007
8.00	2.7300	118919

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-3B	005Yr-001Hr	4.40	2.61	0.0045	7.08	7.16	100
FDOT-3B	005Yr-024Hr	4.40	2.83	0.0045	8.52	8.54	100
FDOT-3B	010Yr-024Hr	4.40	4.05	0.0045	11.85	11.76	3726
FDOT-3B	025Yr-072Hr	4.40	4.43	0.0045	14.48	13.87	27910
FDOT-3B	100Yr-072Hr	4.40	5.05	-0.0053	19.74	15.34	43660

Node: FDOT-4A

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.81	0.0001	4
4.31	0.3100	13504
8.00	1.2000	52272

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4A	005Yr-001Hr	4.18	4.46	-0.0275	12.70	28.26	15580
FDOT-4A	005Yr-024Hr	4.18	4.76	-0.0275	13.23	28.26	18678
FDOT-4A	010Yr-024Hr	4.18	4.93	-0.0275	17.42	28.26	20490
FDOT-4A	025Yr-072Hr	4.18	5.14	-0.0275	21.79	28.26	22702
FDOT-4A	100Yr-072Hr	4.18	5.48	-0.0275	29.28	28.26	26200

Node: FDOT-4B

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
3.40	0.0001	4
3.90	0.6300	27443
8.00	1.7500	76230

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-4B	005Yr-001Hr	3.90	4.13	0.0008	10.65	0.31	30151
FDOT-4B	005Yr-024Hr	3.90	4.66	0.0001	9.95	6.82	36485
FDOT-4B	010Yr-024Hr	3.90	4.76	0.0001	12.27	10.86	37729
FDOT-4B	025Yr-072Hr	3.90	5.08	0.0001	15.34	15.79	41532
FDOT-4B	100Yr-072Hr	3.90	5.64	0.0001	22.41	19.14	48145

Node: FDOT-5B

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.40 ft
Warning Stage: 4.86 ft

Stage [ft]	Area [ac]	Area [ft2]
1.40	0.0001	4
4.36	0.0001	4
4.86	0.6600	28750
8.00	2.2300	97139

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
FDOT-5B	005Yr-001Hr	4.86	4.14	0.0008	3.35	3.31	100
FDOT-5B	005Yr-024Hr	4.86	4.65	0.0001	5.57	5.25	16907
FDOT-5B	010Yr-024Hr	4.86	4.77	0.0001	8.52	8.08	23793
FDOT-5B	025Yr-072Hr	4.86	5.08	0.0001	10.45	9.91	33617
FDOT-5B	100Yr-072Hr	4.86	5.63	0.0001	13.77	11.59	45472

Node: NTZ-0161

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.00
0	0	0	99999.0000	0.00

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NTZ-0161	005Yr-001Hr	0.00	0.00	0.0000	44.64	0.00	0
NTZ-0161	005Yr-024Hr	0.00	0.00	0.0000	44.64	0.00	0
NTZ-0161	010Yr-024Hr	0.00	0.00	0.0000	44.64	0.00	0
NTZ-0161	025Yr-072Hr	0.00	0.00	0.0000	44.64	0.00	0
NTZ-0161	100Yr-072Hr	0.00	0.00	0.0000	44.64	0.00	0

Node: NZA-A1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.60 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.10	0.0001	4
3.60	0.5200	22651
8.00	1.3600	59242

Comment: As-built Structure D-195

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A1	005Yr-001Hr	3.60	3.13	-0.0005	10.76	10.87	1534
NZA-A1	005Yr-024Hr	3.60	3.32	0.0009	12.67	12.69	9941
NZA-A1	010Yr-024Hr	3.60	4.08	-0.0042	24.45	23.57	26659
NZA-A1	025Yr-072Hr	3.60	4.28	-0.0048	33.18	32.18	28318
NZA-A1	100Yr-072Hr	3.60	4.49	-0.0043	50.39	47.85	30075

Node: NZA-A2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4800	20909
8.00	1.6200	70567

Comment: AS-BUILT INLET CA-95

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A2	005Yr-001Hr	4.24	4.24	0.0005	9.58	4.62	20862
NZA-A2	005Yr-024Hr	4.24	4.76	-0.0056	11.15	8.55	27737
NZA-A2	010Yr-024Hr	4.24	4.97	-0.0053	19.36	17.38	30575
NZA-A2	025Yr-072Hr	4.24	5.09	-0.0052	26.20	23.98	32082
NZA-A2	100Yr-072Hr	4.24	5.22	-0.0051	38.78	35.47	33892

Node: NZA-A3

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.45 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.95	0.0001	4
4.45	0.6200	27007
8.00	2.2100	96268

Comment: AS-BUILT STRUCTURE BY95

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A3	005Yr-001Hr	4.45	4.42	-0.0007	10.45	5.32	25502
NZA-A3	005Yr-024Hr	4.45	4.84	-0.0024	12.57	7.04	34692
NZA-A3	010Yr-024Hr	4.45	5.00	-0.0023	17.47	11.48	37745
NZA-A3	025Yr-072Hr	4.45	5.11	-0.0023	21.35	14.26	39904
NZA-A3	100Yr-072Hr	4.45	5.36	-0.0022	29.11	21.26	44671

Node: NZA-A4

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.6400	27878
8.00	2.2900	99752

Comment: As-built Structrure AB95

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-A4	005Yr-001Hr	4.80	4.09	-0.0069	11.76	11.76	131
NZA-A4	005Yr-024Hr	4.80	4.37	-0.0069	13.80	13.80	3686
NZA-A4	010Yr-024Hr	4.80	4.80	-0.0069	18.20	17.28	27730
NZA-A4	025Yr-072Hr	4.80	5.11	-0.0069	24.55	18.39	34829
NZA-A4	100Yr-072Hr	4.80	5.48	-0.0069	35.93	23.80	43226

Node: NZA-AA1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1000	4356
8.00	0.4000	17424

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA1	005Yr-001Hr	4.00	3.34	0.0010	15.53	15.53	308
NZA-AA1	005Yr-024Hr	4.00	3.45	0.0010	17.58	17.57	308
NZA-AA1	010Yr-024Hr	4.00	3.65	0.0010	21.34	21.33	1553
NZA-AA1	025Yr-072Hr	4.00	3.78	0.0010	24.04	24.03	2673
NZA-AA1	100Yr-072Hr	4.00	4.05	0.0010	30.82	30.79	4762

Node: NZA-AA2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.0900	3920
8.00	0.4000	17424

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA2	005Yr-001Hr	4.00	3.45	0.0010	13.39	13.39	381
NZA-AA2	005Yr-024Hr	4.00	3.57	0.0010	15.09	15.10	918
NZA-AA2	010Yr-024Hr	4.00	3.78	0.0010	18.33	18.37	2508
NZA-AA2	025Yr-072Hr	4.00	3.92	0.0010	20.70	20.75	3602
NZA-AA2	100Yr-072Hr	4.00	4.17	0.0010	26.37	26.40	4769

Node: NZA-AA3

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.5200	22651
8.00	1.0800	47045

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA3	005Yr-001Hr	4.00	3.53	0.0027	11.40	11.38	1364
NZA-AA3	005Yr-024Hr	4.00	3.65	0.0027	12.99	12.85	6829
NZA-AA3	010Yr-024Hr	4.00	3.86	0.0027	16.05	15.70	16629
NZA-AA3	025Yr-072Hr	4.00	4.01	0.0027	18.59	17.84	22902
NZA-AA3	100Yr-072Hr	4.00	4.23	0.0027	23.18	22.42	24205

Node: NZA-AA4

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1300	5663
8.00	0.7900	34412

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA4	005Yr-001Hr	4.00	3.55	0.0045	18.49	9.56	720
NZA-AA4	005Yr-024Hr	4.00	3.67	0.0045	18.49	10.79	2141
NZA-AA4	010Yr-024Hr	4.00	3.90	0.0045	18.49	13.21	4729
NZA-AA4	025Yr-072Hr	4.00	4.06	0.0045	18.49	15.20	6243
NZA-AA4	100Yr-072Hr	4.00	4.27	0.0045	19.47	18.69	7700

Node: NZA-AA5

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.1200	5227
8.00	0.4300	18731

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA5	005Yr-001Hr	4.00	3.57	-0.0037	7.72	25.21	1245
NZA-AA5	005Yr-024Hr	4.00	3.70	-0.0037	8.85	25.21	2273
NZA-AA5	010Yr-024Hr	4.00	3.93	-0.0037	10.89	25.21	4710
NZA-AA5	025Yr-072Hr	4.00	4.09	-0.0037	12.79	25.21	5677
NZA-AA5	100Yr-072Hr	4.00	4.29	-0.0037	15.30	25.21	6327

Node: NZA-AA7

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4700	20473
8.00	0.8800	38333

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-AA7	005Yr-001Hr	8.00	3.90	0.0003	4.15	0.00	16181
NZA-AA7	005Yr-024Hr	8.00	4.36	-0.0016	7.97	3.44	22103
NZA-AA7	010Yr-024Hr	8.00	4.80	-0.0021	14.49	5.90	24032
NZA-AA7	025Yr-072Hr	8.00	5.11	-0.0023	17.72	7.83	25424
NZA-AA7	100Yr-072Hr	8.00	5.48	-0.0021	23.80	8.66	27093

Node: NZA-B1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.17 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.67	0.0001	4
4.17	0.7000	30492
8.00	1.9500	84942

Comment: As-built Structure EX-280

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B1	005Yr-001Hr	4.17	2.61	-0.0055	28.65	30.20	100
NZA-B1	005Yr-024Hr	4.17	2.82	-0.0059	32.30	33.45	100
NZA-B1	010Yr-024Hr	4.17	3.56	-0.0059	39.89	39.79	100
NZA-B1	025Yr-072Hr	4.17	3.99	-0.0059	44.58	43.39	19608
NZA-B1	100Yr-072Hr	4.17	4.48	-0.0087	72.58	71.74	34884

Node: NZA-B2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.73 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.23	0.0001	4
4.73	0.5200	22651
8.00	1.6900	73616

Comment: As-built Structure EX-283

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B2	005Yr-001Hr	4.73	2.74	-0.0037	10.95	11.46	100
NZA-B2	005Yr-024Hr	4.73	3.04	-0.0045	13.30	13.75	100
NZA-B2	010Yr-024Hr	4.73	4.21	-0.0045	21.68	21.67	100
NZA-B2	025Yr-072Hr	4.73	4.65	-0.0046	27.12	25.26	19187
NZA-B2	100Yr-072Hr	4.73	4.95	-0.0045	39.04	36.50	26155

Node: NZA-B3

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.83 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.33	0.0001	4
4.83	0.5500	23958
8.00	1.0800	47045

Comment: As-built Structure EX-291

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B3	005Yr-001Hr	4.83	2.75	-0.0028	4.97	5.11	100
NZA-B3	005Yr-024Hr	4.83	3.05	-0.0032	5.69	5.96	100
NZA-B3	010Yr-024Hr	4.83	4.50	-0.0033	9.07	9.51	7992
NZA-B3	025Yr-072Hr	4.83	4.77	-0.0037	12.75	11.57	21317
NZA-B3	100Yr-072Hr	4.83	5.00	-0.0054	19.51	18.87	25176

Node: NZA-B4

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3400	14810
8.00	1.4300	62291

Comment: AS-BUILT STRUCTURE EX-295

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-B4	005Yr-001Hr	4.80	2.70	-0.0032	7.98	9.38	320
NZA-B4	005Yr-024Hr	4.80	2.99	-0.0032	9.56	9.51	320
NZA-B4	010Yr-024Hr	4.80	4.51	-0.0032	18.25	19.06	6193
NZA-B4	025Yr-072Hr	4.80	4.86	-0.0062	22.52	23.50	15748
NZA-B4	100Yr-072Hr	4.80	5.48	-0.0043	28.78	25.23	24884

Node: NZA-C1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.6800	29621
8.00	2.1100	91912

Comment: As-built Structure EX-280

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C1	005Yr-001Hr	4.44	3.82	-0.0006	6.93	6.98	100
NZA-C1	005Yr-024Hr	4.44	4.24	-0.0009	8.34	7.79	17751
NZA-C1	010Yr-024Hr	4.44	4.68	-0.0023	11.70	8.01	33923
NZA-C1	025Yr-072Hr	4.44	4.96	-0.0029	15.22	8.41	38753
NZA-C1	100Yr-072Hr	4.44	5.31	-0.0029	25.73	23.11	44849

Node: NZA-C2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 5.78 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
5.28	0.0001	4
5.78	0.5000	21780
8.00	1.3900	60548

Comment: AS-BUILT STRUCTURE EX-404.

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-C2	005Yr-001Hr	5.78	2.69	-0.0004	10.15	10.07	598
NZA-C2	005Yr-024Hr	5.78	3.00	-0.0004	11.25	11.35	598
NZA-C2	010Yr-024Hr	5.78	4.71	-0.0027	15.64	15.57	598
NZA-C2	025Yr-072Hr	5.78	5.35	-0.0043	19.12	19.06	3112
NZA-C2	100Yr-072Hr	5.78	5.86	-0.0045	26.07	21.33	23195

Node: NZA-CS-01

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-01	005Yr-001Hr	8.00	2.01	-0.0178	30.20	34.85	100
NZA-CS-01	005Yr-024Hr	8.00	2.01	-0.0179	33.45	36.50	100
NZA-CS-01	010Yr-024Hr	8.00	2.02	0.0198	39.79	39.69	100
NZA-CS-01	025Yr-072Hr	8.00	2.22	0.0197	41.86	41.89	100
NZA-CS-01	100Yr-072Hr	8.00	2.40	0.0196	45.28	45.32	100

Node: NZA-CS-02

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.83	0.0010	44

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-02	005Yr-001Hr	8.00	2.01	-0.0147	23.57	28.25	100
NZA-CS-02	005Yr-024Hr	8.00	2.01	-0.0151	26.69	29.83	100
NZA-CS-02	010Yr-024Hr	8.00	2.02	0.0170	33.00	33.09	100
NZA-CS-02	025Yr-072Hr	8.00	2.19	0.0169	34.88	34.96	100
NZA-CS-02	100Yr-072Hr	8.00	2.34	0.0169	37.52	37.59	100

Node: NZA-CS-03

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.13	0.0010	44

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-03	005Yr-001Hr	8.00	3.37	0.0002	25.19	25.17	100
NZA-CS-03	005Yr-024Hr	8.00	3.81	0.0004	30.22	30.22	100
NZA-CS-03	010Yr-024Hr	8.00	4.31	0.0004	35.16	35.16	100
NZA-CS-03	025Yr-072Hr	8.00	4.49	0.0007	36.71	36.71	100
NZA-CS-03	100Yr-072Hr	8.00	4.77	0.0004	39.11	39.11	100

Node: NZA-CS-04

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0010	44

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-04	005Yr-001Hr	8.00	2.48	-0.0005	6.52	6.52	100
NZA-CS-04	005Yr-024Hr	8.00	2.54	-0.0006	7.10	7.10	100
NZA-CS-04	010Yr-024Hr	8.00	2.85	-0.0007	8.91	8.91	100
NZA-CS-04	025Yr-072Hr	8.00	2.94	-0.0009	9.30	9.30	100
NZA-CS-04	100Yr-072Hr	8.00	3.05	-0.0008	9.66	9.66	100

Node: NZA-CS-05

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-05	005Yr-001Hr	8.00	2.97	0.0002	11.14	11.13	100
NZA-CS-05	005Yr-024Hr	8.00	3.89	-0.0007	15.04	15.01	100
NZA-CS-05	010Yr-024Hr	8.00	4.53	-0.0011	15.38	15.32	100
NZA-CS-05	025Yr-072Hr	8.00	4.66	-0.0012	15.58	15.50	100
NZA-CS-05	100Yr-072Hr	8.00	5.06	-0.0013	15.70	15.61	100

Node: NZA-CS-10

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
8.00	0.0010	44

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-10	005Yr-001Hr	8.00	2.68	0.0002	0.19	0.03	100
NZA-CS-10	005Yr-024Hr	8.00	2.78	-0.0001	0.07	0.15	100
NZA-CS-10	010Yr-024Hr	8.00	3.80	-0.0001	0.09	0.15	100
NZA-CS-10	025Yr-072Hr	8.00	4.64	-0.0012	0.14	1.23	100
NZA-CS-10	100Yr-072Hr	8.00	4.97	-0.0019	0.17	1.86	100

Node: NZA-CS-11

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0020	87
3.50	0.0020	87

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-11	005Yr-001Hr	8.00	3.00	0.0002	0.23	0.04	114
NZA-CS-11	005Yr-024Hr	8.00	3.94	-0.0006	0.06	0.69	114

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-11	010Yr-024Hr	8.00	4.58	-0.0008	0.09	0.90	114
NZA-CS-11	025Yr-072Hr	8.00	4.71	-0.0009	0.13	1.00	114
NZA-CS-11	100Yr-072Hr	8.00	5.11	-0.0009	0.17	1.02	114

Node: NZA-CS-TOWN

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.15	0.0010	44

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-CS-TOWN	005Yr-001Hr	8.00	3.17	0.0010	15.53	15.53	344
NZA-CS-TOWN	005Yr-024Hr	8.00	3.27	0.0010	17.57	17.57	344
NZA-CS-TOWN	010Yr-024Hr	8.00	3.44	0.0010	21.33	21.33	344
NZA-CS-TOWN	025Yr-072Hr	8.00	3.56	0.0010	24.03	24.03	344
NZA-CS-TOWN	100Yr-072Hr	8.00	3.80	0.0010	30.05	30.05	344

Node: NZA-D1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4400	19166
8.00	1.1600	50530

Comment: AS-BUILT STRUCTURE EX-271

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D1	005Yr-001Hr	3.56	3.01	0.0002	13.62	13.62	100
NZA-D1	005Yr-024Hr	3.56	3.94	-0.0010	23.82	18.89	21866
NZA-D1	010Yr-024Hr	3.56	4.58	-0.0015	37.63	30.24	26415
NZA-D1	025Yr-072Hr	3.56	4.71	-0.0018	46.42	35.84	27359
NZA-D1	100Yr-072Hr	3.56	5.11	-0.0018	53.66	40.55	30157

Node: NZA-D2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.62 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.12	0.0001	4
3.62	0.4900	21344
8.00	1.4700	64033

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D2	005Yr-001Hr	3.62	3.72	0.0002	16.82	9.88	22383
NZA-D2	005Yr-024Hr	3.62	4.42	-0.0006	25.55	25.01	29209
NZA-D2	010Yr-024Hr	3.62	4.76	-0.0006	37.93	34.55	32461
NZA-D2	025Yr-072Hr	3.62	4.96	-0.0007	48.06	40.67	34453
NZA-D2	100Yr-072Hr	3.62	5.38	-0.0006	59.01	48.82	38474

Node: NZA-D3

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.98 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.48	0.0001	4
3.98	0.4700	20473
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE EX-263

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D3	005Yr-001Hr	3.98	3.96	0.0003	8.60	4.46	19656
NZA-D3	005Yr-024Hr	3.98	4.62	-0.0026	21.61	20.99	27643
NZA-D3	010Yr-024Hr	3.98	4.97	-0.0023	34.68	29.15	31645
NZA-D3	025Yr-072Hr	3.98	5.16	-0.0027	42.77	30.46	33734
NZA-D3	100Yr-072Hr	3.98	5.66	-0.0023	47.31	32.23	39410

Node: NZA-D4

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.16 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.66	0.0001	4
4.16	0.9400	40946
8.00	2.5700	111949

Comment: AS-BUILT STRUCTURE EX-258

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D4	005Yr-001Hr	4.16	4.27	0.0009	13.41	2.34	42932
NZA-D4	005Yr-024Hr	4.16	4.93	-0.0031	23.69	16.54	55265
NZA-D4	010Yr-024Hr	4.16	5.07	-0.0026	36.45	24.73	57843
NZA-D4	025Yr-072Hr	4.16	5.28	-0.0023	40.76	28.13	61615
NZA-D4	100Yr-072Hr	4.16	5.84	0.0002	46.88	28.58	72060

Node: NZA-D5

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.9400	40946
8.00	1.5200	66211

Comment: AS-BUILT STRUCTURE EX-253

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D5	005Yr-001Hr	4.46	4.59	0.0010	15.06	2.33	41904
NZA-D5	005Yr-024Hr	4.46	4.94	-0.0013	18.11	12.70	44387
NZA-D5	010Yr-024Hr	4.46	5.12	-0.0011	25.18	18.59	45632
NZA-D5	025Yr-072Hr	4.46	5.29	-0.0010	30.77	22.46	46876
NZA-D5	100Yr-072Hr	4.46	5.87	-0.0002	41.95	30.23	51038

Node: NZA-D6

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.48 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.98	0.0001	4
4.48	1.0400	45302
8.00	1.9600	85378

Comment: AS-BUILT STRUCTURE EX-249

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D6	005Yr-001Hr	4.48	4.52	0.0009	15.98	6.41	45803
NZA-D6	005Yr-024Hr	4.48	4.73	-0.0008	19.40	14.98	48115
NZA-D6	010Yr-024Hr	4.48	4.90	-0.0007	26.76	23.69	50126
NZA-D6	025Yr-072Hr	4.48	5.28	-0.0004	38.11	33.09	54379
NZA-D6	100Yr-072Hr	4.48	5.85	-0.0004	62.27	37.41	60925

Node: NZA-D7

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.90 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.90	0.5900	25700
8.00	1.9200	83635

Comment: AS-BUILT STRUCTURE EX-HG92

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D7	005Yr-001Hr	3.90	1.79	-0.0086	15.67	17.36	100
NZA-D7	005Yr-024Hr	3.90	2.43	-0.0098	36.98	37.02	100
NZA-D7	010Yr-024Hr	3.90	4.53	-0.0099	49.30	47.80	34611
NZA-D7	025Yr-072Hr	3.90	5.07	-0.0177	64.75	51.16	42230
NZA-D7	100Yr-072Hr	3.90	5.63	-0.0194	80.07	53.15	50186

Node: NZA-D8

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-D8	005Yr-001Hr	8.00	1.77	-0.0089	24.71	27.56	100
NZA-D8	005Yr-024Hr	8.00	2.24	-0.0095	44.80	44.72	100
NZA-D8	010Yr-024Hr	8.00	4.25	-0.0096	47.80	47.84	100
NZA-D8	025Yr-072Hr	8.00	4.84	-0.0095	51.16	51.20	100
NZA-D8	100Yr-072Hr	8.00	5.42	-0.0095	53.15	53.16	100

Node: NZA-DS1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.20	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS1	005Yr-001Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS1	005Yr-024Hr	8.00	1.60	0.0000	0.04	0.00	100

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS1	010Yr-024Hr	8.00	1.60	0.0001	0.07	0.01	100
NZA-DS1	025Yr-072Hr	8.00	1.60	-0.0002	2.26	2.44	100
NZA-DS1	100Yr-072Hr	8.00	1.60	0.0002	5.68	5.83	100

Node: NZA-DS2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.86	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS2	005Yr-001Hr	8.00	1.60	0.0000	0.02	0.00	100
NZA-DS2	005Yr-024Hr	8.00	1.60	0.0000	0.03	0.00	100
NZA-DS2	010Yr-024Hr	8.00	1.60	0.0001	0.07	0.01	100
NZA-DS2	025Yr-072Hr	8.00	1.60	0.0001	1.88	2.04	100
NZA-DS2	100Yr-072Hr	8.00	1.60	-0.0002	4.52	4.59	100

Node: NZA-DS3

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.90	0.0080	348

Comment: DISCHARGE STRUCTURE

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-DS3	005Yr-001Hr	8.00	1.61	-0.0016	25.17	25.24	100
NZA-DS3	005Yr-024Hr	8.00	1.62	-0.0020	30.22	30.27	100
NZA-DS3	010Yr-024Hr	8.00	1.62	-0.0019	35.16	35.18	100
NZA-DS3	025Yr-072Hr	8.00	1.62	-0.0020	36.71	36.75	100
NZA-DS3	100Yr-072Hr	8.00	1.63	-0.0019	39.11	39.16	100

Node: NZA-E1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.5100	22216
8.00	1.8400	80150

Comment: AS-BUILT STRUCTURE BA91

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E1	005Yr-001Hr	4.18	2.68	0.0002	24.86	24.85	100
NZA-E1	005Yr-024Hr	4.18	2.78	0.0003	29.62	29.62	100
NZA-E1	010Yr-024Hr	4.18	3.80	-0.0003	52.38	52.23	5597
NZA-E1	025Yr-072Hr	4.18	4.64	-0.0031	71.06	62.87	29239
NZA-E1	100Yr-072Hr	4.18	4.97	-0.0060	86.23	85.69	34289

Node: NZA-E2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	0.4500	19602
8.00	1.4400	62726

Comment: AS-BUILT STRUCTURE EX-180

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E2	005Yr-001Hr	4.24	3.57	0.0002	15.23	15.23	100
NZA-E2	005Yr-024Hr	4.24	4.16	-0.0008	20.36	18.99	16402
NZA-E2	010Yr-024Hr	4.24	4.62	-0.0020	32.37	30.30	23981
NZA-E2	025Yr-072Hr	4.24	4.83	-0.0028	38.65	36.03	26338
NZA-E2	100Yr-072Hr	4.24	5.23	-0.0028	47.55	42.87	30967

Node: NZA-E3

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.15	0.0001	4
4.65	0.4600	20038
8.00	1.4500	63162

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E3	005Yr-001Hr	4.65	3.90	0.0003	12.94	12.91	100
NZA-E3	005Yr-024Hr	4.65	4.42	-0.0003	17.59	17.15	10917
NZA-E3	010Yr-024Hr	4.65	4.75	-0.0003	27.59	24.93	21366
NZA-E3	025Yr-072Hr	4.65	4.96	-0.0005	34.93	29.37	24091
NZA-E3	100Yr-072Hr	4.65	5.39	-0.0005	43.60	35.11	29576

Node: NZA-E4

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.4600	20038
8.00	1.4900	64904

Comment: AS-BUILT STRUCTURE EX-191

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E4	005Yr-001Hr	4.46	4.30	0.0017	11.47	6.91	13725
NZA-E4	005Yr-024Hr	4.46	4.61	-0.0021	12.36	11.52	21912
NZA-E4	010Yr-024Hr	4.46	4.78	-0.0022	19.16	17.65	24062
NZA-E4	025Yr-072Hr	4.46	5.07	-0.0023	27.25	23.59	27770
NZA-E4	100Yr-072Hr	4.46	5.58	-0.0022	32.08	27.57	34194

Node: NZA-E5

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.59 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.09	0.0001	4
4.59	0.4600	20038
8.00	1.5100	65776

Comment: AS-BUILT STRUCTURE DI91

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E5	005Yr-001Hr	4.59	4.30	0.0018	7.10	8.52	8587
NZA-E5	005Yr-024Hr	4.59	4.61	-0.0024	8.54	10.93	20318
NZA-E5	010Yr-024Hr	4.59	4.78	-0.0021	11.88	10.95	22606
NZA-E5	025Yr-072Hr	4.59	5.07	-0.0026	19.25	15.84	26535
NZA-E5	100Yr-072Hr	4.59	5.59	-0.0022	22.09	19.98	33401

Node: NZA-E6

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.22 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.72	0.0001	4
4.22	0.4700	20473
8.00	1.4700	64033

Comment: AS-BUILT STRUCTURE EX-CA91

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E6	005Yr-001Hr	4.22	4.27	0.0005	11.05	7.28	21010
NZA-E6	005Yr-024Hr	4.22	4.61	-0.0015	12.78	7.59	24993
NZA-E6	010Yr-024Hr	4.22	4.78	-0.0014	15.33	8.32	26972
NZA-E6	025Yr-072Hr	4.22	5.08	-0.0015	16.94	9.47	30441
NZA-E6	100Yr-072Hr	4.22	5.61	-0.0015	19.45	12.44	36508

Node: NZA-E7

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.06 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.56	0.0001	4
4.06	0.4500	19602
8.00	1.3500	58806

Comment: AS-BUILT STRUCTURE EX-215

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E7	005Yr-001Hr	4.06	4.26	0.0005	14.03	3.68	21582
NZA-E7	005Yr-024Hr	4.06	4.60	-0.0052	15.37	10.57	25020
NZA-E7	010Yr-024Hr	4.06	4.78	-0.0047	17.53	15.47	26763
NZA-E7	025Yr-072Hr	4.06	5.09	-0.0051	21.65	18.15	29822
NZA-E7	100Yr-072Hr	4.06	5.62	-0.0049	29.13	20.89	35084

Node: NZA-E8

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.4500	19602
8.00	1.3300	57935

Comment: AS-BUILT STRUCTURE EX-AB91

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E8	005Yr-001Hr	4.00	1.74	-0.0078	13.58	15.11	100
NZA-E8	005Yr-024Hr	4.00	3.09	-0.0081	28.48	28.55	100
NZA-E8	010Yr-024Hr	4.00	4.77	-0.0081	43.21	34.34	27021
NZA-E8	025Yr-072Hr	4.00	5.08	-0.0084	53.29	34.60	29954
NZA-E8	100Yr-072Hr	4.00	5.61	-0.0082	65.43	34.98	35058

Node: NZA-E9

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0010	44

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-E9	005Yr-001Hr	8.00	1.72	-0.0081	23.06	24.78	100
NZA-E9	005Yr-024Hr	8.00	3.04	0.0083	27.00	26.85	100
NZA-E9	010Yr-024Hr	8.00	4.72	-0.0083	28.30	27.50	100
NZA-E9	025Yr-072Hr	8.00	5.02	-0.0083	28.40	27.55	100
NZA-E9	100Yr-072Hr	8.00	5.54	-0.0083	28.66	27.68	100

Node: NZA-F1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 2.91 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
2.41	0.0001	4
2.91	0.4700	20473
8.00	1.3100	57064

Comment: AS-BUILT STRUCTURE EX-114

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F1	005Yr-001Hr	2.91	2.99	0.0003	8.05	2.66	21088
NZA-F1	005Yr-024Hr	2.91	3.44	-0.0008	9.44	6.28	24332
NZA-F1	010Yr-024Hr	2.91	4.15	-0.0009	12.82	8.36	29416
NZA-F1	025Yr-072Hr	2.91	4.65	-0.0011	16.56	15.16	32969
NZA-F1	100Yr-072Hr	2.91	5.15	-0.0010	31.68	24.56	36597

Node: NZA-F2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.08 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.58	0.0001	4
4.08	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-119

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F2	005Yr-001Hr	4.08	3.83	0.0003	5.40	4.25	6696
NZA-F2	005Yr-024Hr	4.08	4.18	-0.0013	8.77	8.42	14252
NZA-F2	010Yr-024Hr	4.08	4.32	-0.0010	15.02	14.94	15304
NZA-F2	025Yr-072Hr	4.08	4.66	-0.0011	26.02	24.93	17813
NZA-F2	100Yr-072Hr	4.08	5.23	-0.0011	39.79	36.22	22077

Node: NZA-F3

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.96 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.46	0.0001	4
3.96	0.4200	18295
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 123

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F3	005Yr-001Hr	3.96	4.04	0.0005	6.45	1.80	19100
NZA-F3	005Yr-024Hr	3.96	4.40	-0.0015	7.76	5.11	23013
NZA-F3	010Yr-024Hr	3.96	4.55	-0.0016	11.66	11.48	24543
NZA-F3	025Yr-072Hr	3.96	4.71	-0.0016	21.44	20.96	26339
NZA-F3	100Yr-072Hr	3.96	5.45	-0.0013	39.16	28.92	34204

Node: NZA-F4

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.61 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.11	0.0001	4
3.61	0.4500	19602
8.00	1.4500	63162

Comment: EX.AS-BUILT STRUCTURE 126

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F4	005Yr-001Hr	3.61	3.82	0.0006	7.80	1.02	21715
NZA-F4	005Yr-024Hr	3.61	4.86	0.0001	9.12	2.73	31990
NZA-F4	010Yr-024Hr	3.61	4.99	0.0001	12.26	6.94	33350
NZA-F4	025Yr-072Hr	3.61	5.15	0.0001	16.62	16.32	34854
NZA-F4	100Yr-072Hr	3.61	5.58	0.0000	35.20	30.01	39164

Node: NZA-F5

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.88 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.38	0.0001	4
3.88	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 131

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F5	005Yr-001Hr	3.88	3.94	0.0006	6.95	2.17	20221
NZA-F5	005Yr-024Hr	3.88	4.88	0.0001	8.29	2.60	29737
NZA-F5	010Yr-024Hr	3.88	5.11	0.0001	11.72	4.89	32135
NZA-F5	025Yr-072Hr	3.88	5.31	-0.0002	13.82	9.68	34113
NZA-F5	100Yr-072Hr	3.88	5.68	0.0001	25.20	22.57	37903

Node: NZA-F6

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.65 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.15	0.0001	4
3.65	0.4500	19602
8.00	1.4100	61420

Comment: EX.AS-BUILT STRUCTURE 135

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F6	005Yr-001Hr	3.65	3.95	0.0006	8.04	0.98	22458
NZA-F6	005Yr-024Hr	3.65	4.85	0.0001	9.04	5.11	31109
NZA-F6	010Yr-024Hr	3.65	5.11	0.0002	16.00	8.12	33660
NZA-F6	025Yr-072Hr	3.65	5.31	0.0002	15.81	10.42	35597
NZA-F6	100Yr-072Hr	3.65	5.71	0.0001	23.67	13.84	39441

Node: NZA-F7

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.29 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.79	0.0001	4
4.29	0.4400	19166
8.00	1.4700	64033

Comment: EX.AS-BUILT STRUCTURE 141

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F7	005Yr-001Hr	4.29	4.24	0.0005	6.62	3.18	17402
NZA-F7	005Yr-024Hr	4.29	4.84	-0.0004	7.97	7.83	25776
NZA-F7	010Yr-024Hr	4.29	5.11	-0.0003	14.30	13.09	29066
NZA-F7	025Yr-072Hr	4.29	5.31	-0.0002	19.11	15.59	31508
NZA-F7	100Yr-072Hr	4.29	5.72	-0.0001	30.39	20.00	36432

Node: NZA-F8

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.44 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.94	0.0001	4
4.44	0.4400	19166
8.00	1.4600	63598

Comment: EX.AS-BUILT STRUCTURE 142

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F8	005Yr-001Hr	4.44	4.03	0.0002	7.71	7.67	3552
NZA-F8	005Yr-024Hr	4.44	4.74	0.0001	10.67	11.46	22974
NZA-F8	010Yr-024Hr	4.44	5.09	0.0001	18.63	17.56	27351
NZA-F8	025Yr-072Hr	4.44	5.29	-0.0002	24.48	18.74	29780
NZA-F8	100Yr-072Hr	4.44	5.71	-0.0001	38.37	25.99	35074

Node: NZA-F9

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.27 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.77	0.0001	4
4.27	0.3600	15682
8.00	1.1200	48787

Comment: EX.AS-BUILT STRUCTURE 148

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-F9	005Yr-001Hr	4.27	2.13	-0.0023	7.84	8.00	100
NZA-F9	005Yr-024Hr	4.27	3.38	-0.0023	8.81	8.78	100
NZA-F9	010Yr-024Hr	4.27	5.09	-0.0104	16.83	17.97	22982
NZA-F9	025Yr-072Hr	4.27	5.29	-0.0118	25.97	19.05	24711
NZA-F9	100Yr-072Hr	4.27	5.71	-0.0118	38.99	18.92	28513

Node: NZA-G1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.81 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.31	0.0001	4
3.81	0.3100	13504
8.00	0.9800	42689

Comment: AS-BUILT STRUCTURE EX-166

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G1	005Yr-001Hr	3.81	3.00	-0.0006	3.59	3.69	100
NZA-G1	005Yr-024Hr	3.81	3.43	-0.0010	4.34	4.43	3192
NZA-G1	010Yr-024Hr	3.81	4.13	-0.0010	5.99	5.98	15745
NZA-G1	025Yr-072Hr	3.81	4.64	-0.0011	9.62	8.88	19310
NZA-G1	100Yr-072Hr	3.81	5.16	-0.0010	16.37	8.56	22882

Node: NZA-G2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.50	0.0001	4
4.00	0.6800	29621
8.00	2.2400	97574

Comment: EX.AS-BUILT STRUCTURE 108

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G2	005Yr-001Hr	4.00	2.77	-0.0042	24.73	26.12	100
NZA-G2	005Yr-024Hr	4.00	3.10	-0.0043	28.33	29.32	100
NZA-G2	010Yr-024Hr	4.00	3.80	-0.0043	37.64	37.70	17915
NZA-G2	025Yr-072Hr	4.00	4.62	-0.0073	51.92	49.44	40221
NZA-G2	100Yr-072Hr	4.00	5.16	-0.0061	72.71	56.58	49298

Node: NZA-G3

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.20 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.70	0.0001	4
4.20	0.4000	17424
8.00	1.2500	54450

Comment: EX.AS-BUILT STRUCTURE 105

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G3	005Yr-001Hr	4.20	3.63	-0.0025	14.28	14.47	100
NZA-G3	005Yr-024Hr	4.20	3.94	-0.0027	15.90	15.33	8474
NZA-G3	010Yr-024Hr	4.20	4.37	-0.0027	18.97	18.51	19064
NZA-G3	025Yr-072Hr	4.20	4.77	-0.0037	29.27	28.02	23002
NZA-G3	100Yr-072Hr	4.20	5.40	-0.0043	49.20	38.00	29166

Node: NZA-G4

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.80 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.30	0.0001	4
4.80	0.3800	16553
8.00	0.9600	41818

Comment: EX.AS-BUILT STRUCTURE 101

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G4	005Yr-001Hr	4.80	3.96	0.0003	8.88	8.92	507
NZA-G4	005Yr-024Hr	4.80	4.32	-0.0008	9.93	9.99	647
NZA-G4	010Yr-024Hr	4.80	4.87	-0.0009	14.02	13.88	17131
NZA-G4	025Yr-072Hr	4.80	5.10	-0.0013	23.40	23.07	18928
NZA-G4	100Yr-072Hr	4.80	5.57	-0.0013	38.38	36.13	22653

Node: NZA-G5

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.46 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.96	0.0001	4
4.46	0.3900	16988
8.00	1.1100	48352

Comment: EX.AS-BUILT STRUCTURE 95

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G5	005Yr-001Hr	4.46	4.24	0.0003	5.59	4.42	9573
NZA-G5	005Yr-024Hr	4.46	4.74	-0.0035	8.62	7.17	19500
NZA-G5	010Yr-024Hr	4.46	5.06	-0.0039	12.10	9.50	22331
NZA-G5	025Yr-072Hr	4.46	5.21	-0.0040	16.38	16.20	23641
NZA-G5	100Yr-072Hr	4.46	5.65	-0.0040	25.89	22.24	27530

Node: NZA-G6

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.42 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.92	0.0001	4
4.42	0.3600	15682
8.00	1.1400	49658

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G6	005Yr-001Hr	4.42	4.25	0.0002	4.76	3.41	10327
NZA-G6	005Yr-024Hr	4.42	4.75	-0.0007	7.59	4.68	18784
NZA-G6	010Yr-024Hr	4.42	5.07	-0.0007	11.22	5.57	21880
NZA-G6	025Yr-072Hr	4.42	5.25	-0.0009	13.16	11.31	23588
NZA-G6	100Yr-072Hr	4.42	5.69	-0.0008	18.81	13.91	27731

Node: NZA-G7

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.19 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.69	0.0001	4
4.19	0.4600	20038
8.00	1.5200	66211

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G7	005Yr-001Hr	4.19	4.38	0.0009	7.07	0.00	22304
NZA-G7	005Yr-024Hr	4.19	4.75	0.0001	8.50	8.01	26797
NZA-G7	010Yr-024Hr	4.19	5.07	0.0001	15.11	11.00	30762
NZA-G7	025Yr-072Hr	4.19	5.27	0.0001	18.29	12.21	33087
NZA-G7	100Yr-072Hr	4.19	5.70	0.0001	21.53	12.74	38327

Node: NZA-G8

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.18 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.68	0.0001	4
4.18	0.3300	14375
8.00	0.9800	42689

Comment: EX.AS-BUILT STRUCTURE 80

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G8	005Yr-001Hr	4.18	4.03	0.0002	18.16	14.96	10073
NZA-G8	005Yr-024Hr	4.18	4.74	0.0001	21.11	16.33	18549
NZA-G8	010Yr-024Hr	4.18	5.07	0.0001	26.80	24.12	21022
NZA-G8	025Yr-072Hr	4.18	5.27	-0.0002	31.05	28.86	22483
NZA-G8	100Yr-072Hr	4.18	5.70	-0.0001	39.35	31.41	25658

Node: NZA-G9

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.84 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.34	0.0001	4
4.84	0.4100	17860
8.00	1.3500	58806

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-G9	005Yr-001Hr	4.84	4.47	0.0002	8.20	7.01	4486
NZA-G9	005Yr-024Hr	4.84	4.77	-0.0004	8.88	7.54	15199
NZA-G9	010Yr-024Hr	4.84	5.07	0.0002	13.18	10.52	20887
NZA-G9	025Yr-072Hr	4.84	5.27	0.0002	15.67	12.36	23498
NZA-G9	100Yr-072Hr	4.84	5.71	-0.0002	19.45	13.30	29086

Node: NZA-I1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.72 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.22	0.0001	4
3.72	0.2300	10019
8.00	2.0000	87120

Comment: As-built Structure EX-2011

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I1	005Yr-001Hr	3.72	2.45	-0.0011	6.75	6.67	100
NZA-I1	005Yr-024Hr	3.72	2.74	-0.0013	14.41	14.36	100
NZA-I1	010Yr-024Hr	3.72	3.23	-0.0013	22.12	22.12	135
NZA-I1	025Yr-072Hr	3.72	4.33	-0.0063	30.38	27.50	21059
NZA-I1	100Yr-072Hr	3.72	5.11	-0.0112	44.42	32.93	35045

Node: NZA-I2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.95 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.40	0.0001	4
3.95	0.2900	12632
8.00	0.9600	41818

Comment: As-built Structure EX-2013

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I2	005Yr-001Hr	3.95	3.82	0.0004	3.72	1.70	9621
NZA-I2	005Yr-024Hr	3.95	4.28	-0.0012	9.98	9.70	15042
NZA-I2	010Yr-024Hr	3.95	4.41	-0.0013	16.23	15.83	15926
NZA-I2	025Yr-072Hr	3.95	4.49	-0.0012	20.91	20.45	16518
NZA-I2	100Yr-072Hr	3.95	5.22	-0.0010	29.67	29.26	21776

Node: NZA-I3

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.49 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.99	0.0001	4
4.49	0.3300	14375
8.00	1.0900	47480

Comment: As-built Structure EX-2071

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I3	005Yr-001Hr	4.49	4.53	0.0007	4.06	1.16	14717
NZA-I3	005Yr-024Hr	4.49	4.78	-0.0006	6.97	6.77	17109
NZA-I3	010Yr-024Hr	4.49	4.87	-0.0006	11.41	11.05	17944
NZA-I3	025Yr-072Hr	4.49	4.93	-0.0004	14.68	14.21	18492
NZA-I3	100Yr-072Hr	4.49	5.29	-0.0004	22.94	21.61	21945

Node: NZA-I4

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.43 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.93	0.0001	4
4.43	0.3000	13068
8.00	1.0800	47045

Comment: As-built Structure EX-2021

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I4	005Yr-001Hr	4.43	4.52	0.0007	4.54	1.29	13960
NZA-I4	005Yr-024Hr	4.43	4.78	-0.0009	5.12	3.50	16436
NZA-I4	010Yr-024Hr	4.43	4.87	-0.0008	6.99	5.61	17282
NZA-I4	025Yr-072Hr	4.43	4.93	-0.0006	8.55	7.28	17838
NZA-I4	100Yr-072Hr	4.43	5.32	-0.0006	17.07	14.94	21571

Node: NZA-I5

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.41 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.91	0.0001	4
4.41	0.3300	14375
8.00	1.3300	57935

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I5	005Yr-001Hr	4.41	4.41	0.0006	5.57	2.49	14334
NZA-I5	005Yr-024Hr	4.41	4.79	-0.0004	6.59	3.73	18959
NZA-I5	010Yr-024Hr	4.41	4.87	-0.0004	8.64	6.26	19998
NZA-I5	025Yr-072Hr	4.41	4.98	0.0005	10.49	8.47	21272
NZA-I5	100Yr-072Hr	4.41	5.33	-0.0004	14.06	12.68	25494

Node: NZA-I6

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.24 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.74	0.0001	4
4.24	1.0300	44867
8.00	2.2800	99317

Comment: EX.AS-BUILT STRUCTURE 2025

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I6	005Yr-001Hr	4.24	3.60	0.0002	25.22	25.19	100
NZA-I6	005Yr-024Hr	4.24	4.14	-0.0006	32.51	30.22	35731
NZA-I6	010Yr-024Hr	4.24	4.76	-0.0006	44.90	35.16	52440
NZA-I6	025Yr-072Hr	4.24	4.98	-0.0007	54.92	36.71	55548
NZA-I6	100Yr-072Hr	4.24	5.33	-0.0006	69.90	41.29	60650

Node: NZA-I7

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 3.56 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
3.06	0.0001	4
3.56	0.4700	20473
8.00	1.4300	62291

Comment: EX.AS-BUILT STRUCTURE 36

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I7	005Yr-001Hr	3.56	3.80	0.0002	27.47	19.43	22775
NZA-I7	005Yr-024Hr	3.56	4.49	-0.0004	30.94	26.01	29268
NZA-I7	010Yr-024Hr	3.56	4.98	0.0003	41.50	35.07	33856
NZA-I7	025Yr-072Hr	3.56	5.20	0.0005	52.23	40.96	35939
NZA-I7	100Yr-072Hr	3.56	5.62	-0.0004	67.75	47.15	39884

Node: NZA-I8

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 4.51 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0001	4
4.01	0.0001	4
4.51	0.4200	18295
8.00	1.3600	59242

Comment: EX.AS-BUILT STRUCTURE 42

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-I8	005Yr-001Hr	4.51	4.46	0.0005	10.60	5.83	16342
NZA-I8	005Yr-024Hr	4.51	4.75	-0.0005	11.10	8.62	21132
NZA-I8	010Yr-024Hr	4.51	4.98	-0.0006	15.06	13.14	23820
NZA-I8	025Yr-072Hr	4.51	5.21	-0.0006	18.66	16.43	26517
NZA-I8	100Yr-072Hr	4.51	5.63	-0.0004	26.04	20.48	31461

Node: NZA-PS-7

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0020	87
3.50	0.0020	87

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS-7	005Yr-001Hr	8.00	1.70	0.0225	24.78	26.70	100
NZA-PS-7	005Yr-024Hr	8.00	2.94	0.0245	26.85	26.70	100
NZA-PS-7	010Yr-024Hr	8.00	4.62	0.0241	27.50	26.70	100
NZA-PS-7	025Yr-072Hr	8.00	4.92	0.0244	27.55	26.70	100
NZA-PS-7	100Yr-072Hr	8.00	5.45	0.0244	27.68	26.70	100

Node: NZA-PS-8

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0020	87
3.50	0.0020	87

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS-8	005Yr-001Hr	8.00	1.70	-0.0353	27.56	44.64	100
NZA-PS-8	005Yr-024Hr	8.00	1.82	0.0429	44.72	44.64	100
NZA-PS-8	010Yr-024Hr	8.00	3.84	0.0428	45.37	44.64	100
NZA-PS-8	025Yr-072Hr	8.00	4.42	0.0427	45.48	44.64	100
NZA-PS-8	100Yr-072Hr	8.00	5.00	0.0425	45.62	44.64	100

Node: NZA-PS0

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
3.50	0.0050	218

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS0	005Yr-001Hr	8.00	1.70	-0.0138	11.13	14.20	100
NZA-PS0	005Yr-024Hr	8.00	3.50	0.0142	15.01	14.20	218
NZA-PS0	010Yr-024Hr	8.00	4.15	-0.0142	15.32	14.20	218
NZA-PS0	025Yr-072Hr	8.00	4.28	-0.0142	15.50	14.20	218
NZA-PS0	100Yr-072Hr	8.00	4.68	-0.0142	15.61	14.20	218

Node: NZA-PS1

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
4.00	0.0050	218

Comment: PUMP STATION

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS1	005Yr-001Hr	8.00	2.00	-0.0204	34.85	39.60	100
NZA-PS1	005Yr-024Hr	8.00	2.00	0.0220	36.50	39.60	100
NZA-PS1	010Yr-024Hr	8.00	2.00	0.0246	39.69	39.60	100
NZA-PS1	025Yr-072Hr	8.00	2.18	0.0244	39.76	39.60	100
NZA-PS1	100Yr-072Hr	8.00	2.37	0.0242	39.79	39.60	100

Node: NZA-PS2

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS2	005Yr-001Hr	8.00	2.00	-0.0153	28.25	33.00	121
NZA-PS2	005Yr-024Hr	8.00	2.00	0.0163	29.83	33.00	122
NZA-PS2	010Yr-024Hr	8.00	2.00	0.0196	33.09	33.00	122
NZA-PS2	025Yr-072Hr	8.00	2.17	0.0197	33.09	33.00	154
NZA-PS2	100Yr-072Hr	8.00	2.32	0.0204	33.10	33.00	184

Node: NZA-PS3

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0010	44
2.50	0.0050	218

Comment: PUMP STATION

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-PS3	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	010Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	025Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100
NZA-PS3	100Yr-072Hr	8.00	1.60	0.0000	0.00	0.00	100

Node: NZA-S-106

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
4.49	0.0070	305

Comment: FDOT PUMP STATION

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-106	005Yr-001Hr	8.00	2.00	-0.0115	17.67	42.88	768
NZA-S-106	005Yr-024Hr	8.00	2.00	-0.0120	20.81	42.88	768

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-106	010Yr-024Hr	8.00	2.00	-0.0120	23.07	44.11	768
NZA-S-106	025Yr-072Hr	8.00	2.00	-0.0120	26.30	46.60	768
NZA-S-106	100Yr-072Hr	8.00	2.00	-0.0120	32.44	50.72	768

Node: NZA-S-77

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-77	005Yr-001Hr	8.00	1.82	0.0000	0.29	0.06	1290
NZA-S-77	005Yr-024Hr	8.00	2.00	0.0000	0.26	0.27	1690
NZA-S-77	010Yr-024Hr	8.00	3.71	0.0003	4.58	1.68	1962
NZA-S-77	025Yr-072Hr	8.00	4.09	0.0004	6.72	2.98	2045
NZA-S-77	100Yr-072Hr	8.00	4.70	0.0005	7.65	3.51	2217

Node: NZA-S-82

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0070	305
0.00	0.0070	305

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S-82	005Yr-001Hr	8.00	2.00	-0.0030	33.62	43.17	1715
NZA-S-82	005Yr-024Hr	8.00	2.00	-0.0030	38.24	43.14	1779
NZA-S-82	010Yr-024Hr	8.00	3.71	0.0031	50.31	47.46	1891
NZA-S-82	025Yr-072Hr	8.00	4.09	-0.0030	53.07	49.60	1898
NZA-S-82	100Yr-072Hr	8.00	4.70	-0.0030	54.25	50.53	1909

Node: NZA-S101

Scenario: COMBINED SOLUTIONS
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.60	0.0040	174
10.17	0.0040	174

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
NZA-S101	005Yr-001Hr	8.00	2.00	-0.0080	1.79	14.45	181
NZA-S101	005Yr-024Hr	8.00	2.00	-0.0081	3.97	14.74	181
NZA-S101	010Yr-024Hr	8.00	2.00	-0.0081	4.72	14.74	181
NZA-S101	025Yr-072Hr	8.00	2.00	-0.0082	6.08	14.76	181
NZA-S101	100Yr-072Hr	8.00	2.00	-0.0082	9.38	14.76	181

Node: OUTFALL (88th)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.20 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.20
0	0	0	99999.0000	1.20

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (88th)	005Yr-001Hr	8.00	1.20	0.0000	6.67	0.00	0
OUTFALL (88th)	005Yr-024Hr	8.00	1.20	0.0000	14.35	0.00	0
OUTFALL (88th)	010Yr-024Hr	8.00	1.20	0.0000	22.12	0.00	0
OUTFALL (88th)	025Yr-072Hr	8.00	1.20	0.0000	27.50	0.00	0
OUTFALL (88th)	100Yr-072Hr	8.00	1.20	0.0000	32.93	0.00	0

Node: OUTFALL (89th)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (89th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
(89th)							
OUTFALL (89th)	010Yr-024Hr	8.00	1.60	0.0000	0.01	0.00	0
OUTFALL (89th)	025Yr-072Hr	8.00	1.60	0.0000	2.04	0.00	0
OUTFALL (89th)	100Yr-072Hr	8.00	1.60	0.0000	8.40	0.00	0

Node: OUTFALL (91st) - A

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - A	005Yr-001Hr	8.00	1.60	0.0000	12.49	0.00	0
OUTFALL (91st) - A	005Yr-024Hr	8.00	1.60	0.0000	15.23	0.00	0
OUTFALL (91st) - A	010Yr-024Hr	8.00	1.60	0.0000	30.20	0.00	0
OUTFALL (91st) - A	025Yr-072Hr	8.00	1.60	0.0000	37.02	0.00	0
OUTFALL (91st) - A	100Yr-072Hr	8.00	1.60	0.0000	48.73	0.00	0

Node: OUTFALL (91st) - B

Scenario: COMBINED SOLUTIONS

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (91st) - B	005Yr-001Hr	8.00	1.60	0.0000	12.36	0.00	0
OUTFALL (91st) - B	005Yr-024Hr	8.00	1.60	0.0000	14.38	0.00	0
OUTFALL (91st) - B	010Yr-024Hr	8.00	1.60	0.0000	22.02	0.00	0
OUTFALL (91st) - B	025Yr-072Hr	8.00	1.60	0.0000	25.85	0.00	0
OUTFALL (91st) - B	100Yr-072Hr	8.00	1.60	0.0000	36.97	0.00	0

Node: OUTFALL (92nd)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (92nd)	005Yr-001Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	005Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	010Yr-024Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	025Yr-072Hr	8.00	1.60	0.0000	14.20	0.00	0
OUTFALL (92nd)	100Yr-072Hr	8.00	1.60	0.0000	16.45	0.00	0

Node: OUTFALL (94th)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (94th)	005Yr-001Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	005Yr-024Hr	8.00	1.60	0.0000	0.00	0.00	0
OUTFALL (94th)	010Yr-024Hr	8.00	1.60	0.0000	0.01	0.00	0
OUTFALL (94th)	025Yr-072Hr	8.00	1.60	0.0000	3.95	0.00	0
OUTFALL (94th)	100Yr-072Hr	8.00	1.60	0.0000	32.29	0.00	0

Node: OUTFALL (95th)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (95th)	005Yr-001Hr	8.00	1.60	0.0000	6.51	0.00	0
OUTFALL (95th)	005Yr-024Hr	8.00	1.60	0.0000	7.10	0.00	0
OUTFALL (95th)	010Yr-024Hr	8.00	1.60	0.0000	17.56	0.00	0
OUTFALL (95th)	025Yr-072Hr	8.00	1.60	0.0000	29.13	0.00	0
OUTFALL (95th)	100Yr-072Hr	8.00	1.60	0.0000	44.41	0.00	0

Node: OUTFALL (96th)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (96th)	005Yr-001Hr	8.00	1.60	0.0000	15.53	0.00	0
OUTFALL (96th)	005Yr-024Hr	8.00	1.60	0.0000	17.57	0.00	0
OUTFALL (96th)	010Yr-024Hr	8.00	1.60	0.0000	21.33	0.00	0
OUTFALL (96th)	025Yr-072Hr	8.00	1.60	0.0000	24.03	0.00	0
OUTFALL (96th)	100Yr-072Hr	8.00	1.60	0.0000	30.79	0.00	0

Node: OUTFALL (CARLYLE)

Scenario: COMBINED SOLUTIONS
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 1.60 ft
Warning Stage: 8.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	1.60
0	0	0	99999.0000	1.60

Comment:

Node Max Conditions [COMBINED SOLUTIONS]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
OUTFALL (CARLYLE)	005Yr-001Hr	8.00	1.60	0.0000	25.24	0.00	0
OUTFALL (CARLYLE)	005Yr-024Hr	8.00	1.60	0.0000	30.27	0.00	0
OUTFALL (CARLYLE)	010Yr-024Hr	8.00	1.60	0.0000	35.18	0.00	0
OUTFALL (CARLYLE)	025Yr-072Hr	8.00	1.60	0.0000	36.75	0.00	0
OUTFALL (CARLYLE)	100Yr-072Hr	8.00	1.60	0.0000	39.16	0.00	0

Drop Structure Link: CS-01		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.83 ft	Invert:	-1.20 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-CS-01	Geometry: Circular		Geometry: Circular	
To Node:	NZA-DS1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	175.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-01 - Pipe	005Yr-001Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-01 - Weir: 1	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-01 - Pipe	005Yr-024Hr	0.04	0.00	0.04	0.00	0.00	0.00
CS-01 - Weir:	005Yr-024Hr	0.04	0.00	0.04	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
CS-01 - Pipe	010Yr-024Hr	0.07	0.00	0.06	0.00	0.00	0.00
CS-01 - Weir: 1	010Yr-024Hr	0.07	0.00	0.05	0.00	0.00	0.00
CS-01 - Pipe	025Yr-072Hr	2.26	0.00	0.06	0.00	0.00	0.00
CS-01 - Weir: 1	025Yr-072Hr	2.26	0.00	0.05	1.49	1.49	1.49
CS-01 - Pipe	100Yr-072Hr	5.68	0.00	0.05	0.00	0.00	0.00
CS-01 - Weir: 1	100Yr-072Hr	5.68	0.00	0.05	2.03	2.03	2.03

Drop Structure Link: CS-02		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.30 ft	Invert:	-1.20 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-CS-02	Geometry: Circular		Geometry: Circular	
To Node:	NZA-DS2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	80.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600

Orifice Table:

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-02 - Pipe	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-001Hr	0.02	0.00	0.02	0.00	0.00	0.00
CS-02 - Pipe	005Yr-024Hr	0.03	0.00	0.03	0.00	0.00	0.00
CS-02 - Weir: 1	005Yr-024Hr	0.03	0.00	0.02	0.00	0.00	0.00
CS-02 - Pipe	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	010Yr-024Hr	0.06	0.00	0.04	0.00	0.00	0.00
CS-02 - Pipe	025Yr-072Hr	1.88	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	025Yr-072Hr	1.88	0.00	0.04	1.40	1.40	1.40
CS-02 - Pipe	100Yr-072Hr	4.52	0.00	0.04	0.00	0.00	0.00
CS-02 - Weir: 1	100Yr-072Hr	4.52	0.00	0.04	1.88	1.88	1.88

Drop Structure Link: CS-03		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-4.50 ft	Invert:	-4.70 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-CS-03	Geometry: Circular		Geometry: Circular	
To Node:	NZA-DS3	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	60.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	**Discharge Coefficients**	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-03 - Pipe	005Yr-001Hr	25.17	0.00	0.01	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-001Hr	25.17	0.00	0.01	4.79	4.79	4.79
CS-03 - Pipe	005Yr-024Hr	30.22	0.00	-0.01	0.00	0.00	0.00
CS-03 - Weir: 1	005Yr-024Hr	30.22	0.00	0.01	5.76	5.76	5.76
CS-03 - Pipe	010Yr-024Hr	35.16	0.00	-0.01	0.00	0.00	0.00
CS-03 - Weir: 1	010Yr-024Hr	35.16	0.00	0.00	6.70	6.70	6.70
CS-03 - Pipe	025Yr-072Hr	36.71	0.00	-0.01	0.00	0.00	0.00
CS-03 - Weir: 1	025Yr-072Hr	36.71	0.00	-0.01	6.99	6.99	6.99
CS-03 - Pipe	100Yr-072Hr	39.11	0.00	-0.01	0.00	0.00	0.00
CS-03 - Weir: 1	100Yr-072Hr	39.11	0.00	-0.01	7.45	7.45	7.45

Drop Structure Link: CS-04		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.00 ft	Invert:	-2.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-CS-04	Geometry: Circular		Geometry: Circular	
To Node:	OUTFALL (95th)	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Positive	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	181.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Positive	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	2.00 ft	Op Table:	
Control Elevation:	2.00 ft	Ref Node:	
Max Depth:	0.75 ft	Discharge Coefficients	
Max Width:	7.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-04 - Pipe	005Yr-001Hr	6.51	0.00	0.00	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-001Hr	6.52	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	005Yr-024Hr	7.10	0.00	0.00	0.00	0.00	0.00
CS-04 - Weir: 1	005Yr-024Hr	7.10	0.00	0.00	2.00	2.00	2.00
CS-04 - Pipe	010Yr-024Hr	8.91	0.00	-0.01	0.00	0.00	0.00
CS-04 - Weir: 1	010Yr-024Hr	8.91	0.00	-0.01	2.00	2.00	2.00
CS-04 - Pipe	025Yr-072Hr	9.30	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir:	025Yr-072Hr	9.30	0.00	-0.04	2.00	2.00	2.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							
CS-04 - Pipe	100Yr-072Hr	9.66	0.00	0.02	0.00	0.00	0.00
CS-04 - Weir: 1	100Yr-072Hr	9.66	0.00	-0.04	2.00	2.00	2.00

Drop Structure Link: CS-05		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.33 ft	Invert:	1.21 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-CS-05	Geometry: Circular		Geometry: Circular	
To Node:	NZA-PS0	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	20.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.10 ft	Ref Node:	
Control Elevation:	2.10 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-05 - Pipe	005Yr-001Hr	11.13	0.00	0.00	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-001Hr	11.13	0.00	0.00	2.12	2.12	2.12
CS-05 - Pipe	005Yr-024Hr	15.01	0.00	-0.01	0.00	0.00	0.00
CS-05 - Weir: 1	005Yr-024Hr	15.01	0.00	-0.01	2.86	2.86	2.86
CS-05 - Pipe	010Yr-024Hr	15.32	0.00	-0.02	0.00	0.00	0.00
CS-05 - Weir: 1	010Yr-024Hr	15.32	0.00	-0.01	2.92	2.92	2.92
CS-05 - Pipe	025Yr-072Hr	15.50	0.00	-0.02	0.00	0.00	0.00
CS-05 - Weir: 1	025Yr-072Hr	15.50	0.00	-0.01	2.95	2.95	2.95
CS-05 - Pipe	100Yr-072Hr	15.61	0.00	-0.02	0.00	0.00	0.00
CS-05 - Weir: 1	100Yr-072Hr	15.61	0.00	-0.01	2.97	2.97	2.97

Drop Structure Link: CS-06(R3)		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.88 ft	Invert:	-2.30 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
To Node:	OUTFALL (91st) - A	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	153.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Positive	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular		

Invert:	2.00 ft
Control Elevation:	2.00 ft
Max Depth:	0.75 ft
Max Width:	7.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-06(R3) - Pipe	005Yr-001Hr	12.49	0.00	0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-001Hr	12.50	0.00	0.00	2.63	2.63	2.63
CS-06(R3) - Pipe	005Yr-024Hr	15.23	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	005Yr-024Hr	15.23	0.00	0.00	2.90	2.90	2.90
CS-06(R3) - Pipe	010Yr-024Hr	30.20	0.00	-0.01	0.00	0.00	0.00
CS-06(R3) - Weir: 1	010Yr-024Hr	30.21	0.00	-0.01	5.75	5.75	5.75
CS-06(R3) - Pipe	025Yr-072Hr	37.02	0.00	-0.03	0.00	0.00	0.00
CS-06(R3) - Weir: 1	025Yr-072Hr	37.02	0.00	-0.04	7.05	7.05	7.05
CS-06(R3) - Pipe	100Yr-072Hr	38.99	0.00	-0.07	0.00	0.00	0.00
CS-06(R3) - Weir: 1	100Yr-072Hr	38.99	0.00	-0.07	7.43	7.43	7.43

Drop Structure Link: CS-07		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.19 ft	Invert:	-2.90 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-E1	Geometry: Circular		Geometry: Circular	
To Node:	OUTFALL (91st) - B	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	

Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	213.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	2.00 ft	Ref Node:	
Control Elevation:	2.00 ft	Discharge Coefficients	
Max Depth:	0.75 ft	Weir Default:	3.200
Max Width:	7.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-07 - Pipe	005Yr-001Hr	12.36	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-001Hr	12.36	0.00	0.00	2.61	2.61	2.61
CS-07 - Pipe	005Yr-024Hr	14.38	0.00	-0.01	0.00	0.00	0.00
CS-07 - Weir: 1	005Yr-024Hr	14.38	0.00	0.00	2.74	2.74	2.74
CS-07 - Pipe	010Yr-024Hr	22.02	0.00	0.01	0.00	0.00	0.00
CS-07 - Weir: 1	010Yr-024Hr	22.02	0.00	0.00	4.19	4.19	4.19
CS-07 - Pipe	025Yr-072Hr	25.85	0.00	-0.02	0.00	0.00	0.00
CS-07 - Weir: 1	025Yr-072Hr	25.85	0.00	-0.02	4.92	4.92	4.92
CS-07 - Pipe	100Yr-072Hr	27.23	0.00	-0.03	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-07 - Weir: 1	100Yr-072Hr	27.23	0.00	-0.03	5.19	5.19	5.19

Drop Structure Link: CS-08		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.58 ft	Invert:	-1.58 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-I1	Geometry: Circular		Geometry: Circular	
To Node:	OUTFALL (88th)	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	15.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component			
Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Positive	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	2.00 ft	Op Table:	
Control Elevation:	2.00 ft	Ref Node:	
Max Depth:	0.75 ft	Discharge Coefficients	
Max Width:	7.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-08 - Pipe	005Yr-001Hr	6.67	0.00	-0.01	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-001Hr	6.67	0.00	-0.01	2.14	2.14	2.14
CS-08 - Pipe	005Yr-024Hr	14.35	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	005Yr-024Hr	14.36	0.00	-0.02	2.76	2.76	2.76
CS-08 - Pipe	010Yr-024Hr	22.12	0.00	-0.02	0.00	0.00	0.00
CS-08 - Weir: 1	010Yr-024Hr	22.12	0.00	-0.02	4.21	4.21	4.21
CS-08 - Pipe	025Yr-072Hr	27.50	0.00	-0.07	0.00	0.00	0.00
CS-08 - Weir: 1	025Yr-072Hr	27.50	0.00	-0.08	5.24	5.24	5.24
CS-08 - Pipe	100Yr-072Hr	30.72	0.00	-0.15	0.00	0.00	0.00
CS-08 - Weir: 1	100Yr-072Hr	30.72	0.00	-0.16	5.85	5.85	5.85

Drop Structure Link: CS-10		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.00 ft	Invert:	-2.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-E9	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-10	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	20.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	
Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft		

Control Elevation:	8.00 ft
Max Depth:	4.08 ft
Max Width:	3.08 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment: MODIFY TYPE D STRUCTURE

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-10 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-10 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Drop Structure Link: CS-11		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.00 ft	Invert:	-2.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-D8	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Solution:	Combine	Op Table:		Op Table:	
Increments:	0	Ref Node:		Ref Node:	
Pipe Count:	1	Manning's N:	0.0000	Manning's N:	0.0000
Damping:	0.0000 ft	Top Clip			
Length:	20.00 ft	Default:	0.00 ft	Default:	0.00 ft
FHWA Code:	0	Op Table:		Op Table:	
Entr Loss Coef:	0.00	Ref Node:		Ref Node:	

Exit Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component

Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	8.00 ft
Control Elevation:	8.00 ft
Max Depth:	4.08 ft
Max Width:	3.08 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment: MODIFIED TYPE "D" STRUCTURE

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-11 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
CS-11 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: D-00

Scenario: COMBINED SOLUTIONS
From Node: NZA-PS0
To Node: OUTFALL (92nd)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0004	1.70		1.60	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D-00	005Yr-001Hr	14.20	0.00	-13.98	0.00	0.00	0.00
D-00	005Yr-024Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	010Yr-024Hr	14.20	0.00	13.98	0.00	0.00	0.00
D-00	025Yr-072Hr	14.20	0.00	14.20	0.00	0.00	0.00
D-00	100Yr-072Hr	14.20	0.00	13.98	0.00	0.00	0.00

Rating Curve Link: DW 1-3

Scenario: COMBINED SOLUTIONS
From Node: NZA-PS1
To Node: AQUIFER (94th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0001	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 1-3	005Yr-001Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	005Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	010Yr-024Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	025Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00
DW 1-3	100Yr-072Hr	39.60	0.00	39.60	0.00	0.00	0.00

Rating Curve Link: DW 4-6

Scenario: COMBINED SOLUTIONS
From Node: NZA-PS2
To Node: AQUIFER (89th)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0002	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 4-6	005Yr-001Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	005Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	010Yr-024Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	025Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00
DW 4-6	100Yr-072Hr	33.00	0.00	33.00	0.00	0.00	0.00

Rating Curve Link: DW 7-9

Scenario: COMBINED SOLUTIONS
From Node: NZA-PS3
To Node: AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0003	2.00		1.60	

Comment: 500 GPM/FT

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW 7-9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
DW 7-9	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: DW-10-13

Scenario: COMBINED SOLUTIONS
From Node: NZA-PS-7
To Node: AQUIFER 91ST
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-PROPOSED-TEST	1.70		1.60	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW-10-13	005Yr-001Hr	26.70	0.00	26.70	0.00	0.00	0.00
DW-10-13	005Yr-024Hr	26.70	0.00	26.70	0.00	0.00	0.00
DW-10-13	010Yr-024Hr	26.70	0.00	26.70	0.00	0.00	0.00
DW-10-13	025Yr-072Hr	26.70	0.00	26.70	0.00	0.00	0.00
DW-10-13	100Yr-072Hr	26.70	0.00	26.70	0.00	0.00	0.00

Rating Curve Link: DW-13-16

Scenario: COMBINED SOLUTIONS
From Node: NZA-PS-8
To Node: NTZ-0161
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-PROPOSED-92ND	1.70		1.60	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
DW-13-16	005Yr-001Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-13-16	005Yr-024Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-13-16	010Yr-024Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-13-16	025Yr-072Hr	44.64	0.00	44.64	0.00	0.00	0.00
DW-13-16	100Yr-072Hr	44.64	0.00	44.64	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S102-S105

Scenario: COMBINED SOLUTIONS
From Node: NZA-S-82
To Node: FDOT AQUIFER (94TH)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-102, S-103, S-104, S-105

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-S102-S105	005Yr-001Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S102-S105	100Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00

Rating Curve Link: FDOT DW- S96-S99

Scenario: COMBINED SOLUTIONS
From Node: NZA-S-106
To Node: FDOT AQUIFER (CARLYLE)
Link Count: 1
Flow Direction: Both

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
RC-0005	2.00		1.60	

Comment: S-96, S-97, S-98, S-99

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT DW-	005Yr-001Hr	42.88	0.00	42.21	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S96-S99							
FDOT DW-S96-S99	005Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	010Yr-024Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	025Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00
FDOT DW-S96-S99	100Yr-072Hr	42.88	0.00	42.21	0.00	0.00	0.00

Pipe Link: FDOT-P-2A-3A		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-3.43 ft	Invert:	-2.16 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	FDOT-2A	Geometry: Circular		Geometry: Circular	
To Node:	FDOT-3A	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	235.86 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
FDOT-P-2A-3A	005Yr-001Hr	3.73	-9.60	-4.15	-1.36	-1.36	-1.36
FDOT-P-2A-3A	005Yr-024Hr	5.01	-9.60	-4.15	-1.36	-1.36	-1.36
FDOT-P-2A-3A	010Yr-024Hr	4.71	-9.60	-4.15	-1.36	-1.36	-1.36
FDOT-P-2A-3A	025Yr-072Hr	5.61	-9.60	-4.15	-1.36	-1.36	-1.36
FDOT-P-2A-3A	100Yr-072Hr	12.38	-9.60	-4.15	1.75	1.75	1.75

Pipe Link: P-A1-A2		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-1.61 ft	Invert:	-1.81 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-A2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-A1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	276.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-A2	005Yr-001Hr	4.62	-0.13	0.04	3.77	3.77	3.77
P-A1-A2	005Yr-024Hr	5.99	-0.13	0.07	4.88	4.88	4.88
P-A1-A2	010Yr-024Hr	6.06	-0.13	0.07	4.94	4.94	4.94
P-A1-A2	025Yr-072Hr	6.10	-0.13	0.07	4.97	4.97	4.97
P-A1-A2	100Yr-072Hr	5.99	-0.13	0.07	4.88	4.88	4.88

Pipe Link: P-A1-B1		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-4.90 ft	Invert:	-2.00 ft
	SOLUTIONS	Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-A1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-B1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	490.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-B1	005Yr-001Hr	4.35	0.00	-0.11	2.46	2.46	2.46
P-A1-B1	005Yr-024Hr	5.72	0.00	-0.15	3.23	3.23	3.23
P-A1-B1	010Yr-024Hr	7.03	0.00	-0.15	3.98	3.98	3.98
P-A1-B1	025Yr-072Hr	6.70	-1.15	-0.15	3.79	3.79	3.79
P-A1-B1	100Yr-072Hr	6.38	-1.94	-0.15	3.61	3.61	3.61

Pipe Link: P-A1-CS-04		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.81 ft	Invert:	-2.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-A1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-04	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	200.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A1-CS-04	005Yr-001Hr	6.52	-0.47	-0.07	3.69	3.69	3.69
P-A1-CS-04	005Yr-024Hr	7.10	-0.61	-0.08	4.02	4.02	4.02
P-A1-CS-04	010Yr-024Hr	8.91	-0.61	-0.08	5.04	5.04	5.04
P-A1-CS-04	025Yr-072Hr	9.30	-0.61	-0.08	5.26	5.26	5.26
P-A1-CS-04	100Yr-072Hr	9.66	-0.61	-0.08	5.47	5.47	5.47

Pipe Link: P-A2-A3		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.54 ft	Invert:	-1.61 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-A3	Geometry: Circular		Geometry: Circular	
To Node:	NZA-A2	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	274.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A2-A3	005Yr-001Hr	1.81	-0.36	0.05	1.48	1.48	1.48
P-A2-A3	005Yr-024Hr	1.82	-2.26	0.12	-1.84	-1.84	-1.84
P-A2-A3	010Yr-024Hr	1.84	-2.09	0.12	-1.70	-1.70	-1.70
P-A2-A3	025Yr-072Hr	1.85	-2.09	0.14	-1.70	-1.70	-1.70
P-A2-A3	100Yr-072Hr	1.82	-1.99	0.14	-1.62	-1.62	-1.62

Pipe Link: P-A3-A4		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-1.08 ft	Invert:	-1.54 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-A4	Geometry: Circular		Geometry: Circular	
To Node:	NZA-A3	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	274.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A3-A4	005Yr-001Hr	0.97	-3.58	-0.22	-2.91	-2.91	-2.91
P-A3-A4	005Yr-024Hr	0.97	-5.06	-0.22	-4.12	-4.12	-4.12
P-A3-A4	010Yr-024Hr	0.97	-5.11	-0.22	-4.16	-4.16	-4.16
P-A3-A4	025Yr-072Hr	0.97	-5.10	-0.22	-4.15	-4.15	-4.15
P-A3-A4	100Yr-072Hr	1.99	-4.96	-0.22	-4.05	-4.05	-4.05

Pipe Link: P-A4-FDOT1B		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-0.82 ft	Invert:	-1.08 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	FDOT-1B	Geometry: Circular		Geometry: Circular	
To Node:	NZA-A4	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	229.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-A4-FDOT1B	005Yr-001Hr	2.55	-8.83	1.27	-2.81	-2.81	-2.81
P-A4-FDOT1B	005Yr-024Hr	2.55	-11.87	1.27	-3.78	-3.78	-3.78
P-A4-FDOT1B	010Yr-024Hr	2.55	-13.63	1.27	-4.34	-4.34	-4.34
P-A4-FDOT1B	025Yr-072Hr	2.55	-14.72	1.27	-4.69	-4.69	-4.69
P-A4-FDOT1B	100Yr-072Hr	2.55	-15.67	1.27	-4.99	-4.99	-4.99

Pipe Link: P-AA1-AA2		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	1.60 ft	Invert:	1.60 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-AA2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-AA1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	117.80 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA1-AA2	005Yr-001Hr	13.39	0.00	0.01	2.92	3.14	3.03
P-AA1-AA2	005Yr-024Hr	15.10	0.00	0.01	3.07	3.30	3.19
P-AA1-AA2	010Yr-024Hr	18.37	0.00	0.01	3.35	3.59	3.47
P-AA1-AA2	025Yr-072Hr	20.75	0.00	0.01	3.55	3.80	3.67
P-AA1-AA2	100Yr-072Hr	22.84	0.00	0.01	3.73	4.00	3.87

Pipe Link: P-AA2-AA3		Upstream		Downstream	
Scenario:	COMBINED	Invert:	1.60 ft	Invert:	1.60 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-AA3	Geometry: Circular		Geometry: Circular	
To Node:	NZA-AA2	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	133.29 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA2-AA3	005Yr-001Hr	11.38	0.00	-0.01	2.37	3.30	2.54
P-AA2-AA3	005Yr-024Hr	12.85	0.00	0.01	2.52	3.30	2.58
P-AA2-AA3	010Yr-024Hr	15.70	0.00	0.01	2.76	3.30	2.82
P-AA2-AA3	025Yr-072Hr	17.84	0.00	0.01	2.96	3.30	3.02
P-AA2-AA3	100Yr-072Hr	18.80	0.00	0.02	3.09	3.30	3.17

Pipe Link: P-AA3-AA4		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	0.00 ft	Invert:	0.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-AA4	Geometry: Circular		Geometry: Circular	
To Node:	NZA-AA3	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	122.03 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA3-AA4	005Yr-001Hr	9.56	0.00	1.64	1.62	1.66	1.64
P-AA3-AA4	005Yr-024Hr	10.79	0.00	1.64	1.62	1.66	1.64
P-AA3-AA4	010Yr-024Hr	13.21	0.00	1.64	1.87	1.87	1.87
P-AA3-AA4	025Yr-072Hr	14.98	0.00	1.64	2.12	2.12	2.12
P-AA3-AA4	100Yr-072Hr	15.93	0.00	1.64	2.25	2.25	2.25

Pipe Link: P-AA4-AA5		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	1.60 ft	Invert:	1.60 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-AA4	Geometry: Circular		Geometry: Circular	
To Node:	NZA-AA5	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	126.10 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA4-AA5	005Yr-001Hr	0.03	-18.49	0.07	-3.92	-5.84	-4.88
P-AA4-AA5	005Yr-024Hr	0.01	-18.49	0.07	-3.92	-5.84	-4.88
P-AA4-AA5	010Yr-024Hr	0.01	-18.49	0.07	-3.92	-5.84	-4.88
P-AA4-AA5	025Yr-072Hr	0.01	-18.49	0.07	-3.92	-5.84	-4.88
P-AA4-AA5	100Yr-072Hr	0.01	-18.49	0.07	-3.92	-5.84	-4.88

Pipe Link: P-AA5-FDOT1B		Upstream		Downstream	
Scenario:	COMBINED	Invert:	1.60 ft	Invert:	1.60 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-AA5	Geometry: Circular		Geometry: Circular	
To Node:	FDOT-1B	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	626.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA5-FDOT1B	005Yr-001Hr	6.72	-5.50	-0.02	2.18	4.77	3.47
P-AA5-FDOT1B	005Yr-024Hr	6.72	-6.20	-0.02	2.18	4.77	3.47
P-AA5-FDOT1B	010Yr-024Hr	6.72	-7.49	-0.02	-2.38	4.77	3.47
P-AA5-FDOT1B	025Yr-072Hr	6.72	-8.70	-0.02	-2.77	4.77	3.47
P-AA5-FDOT1B	100Yr-072Hr	6.72	-10.80	-0.02	-3.44	4.77	3.47

Pipe Link: P-AA7-A4		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	1.60 ft	Invert:	1.60 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-AA7	Geometry: Circular		Geometry: Circular	
To Node:	NZA-A4	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	190.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-AA7-A4	005Yr-001Hr	0.00	-2.80	0.00	-2.28	-2.28	-2.28
P-AA7-A4	005Yr-024Hr	2.42	-2.85	-0.01	-2.32	-2.32	-2.32
P-AA7-A4	010Yr-024Hr	3.03	-3.01	-0.01	2.47	2.47	2.47
P-AA7-A4	025Yr-072Hr	3.44	-3.11	-0.01	2.80	2.80	2.80
P-AA7-A4	100Yr-072Hr	3.42	-3.10	-0.01	2.78	2.78	2.78

Pipe Link: P-B1-B2	Upstream	Downstream

Scenario:	COMBINED SOLUTIONS	Invert:	-4.86 ft	Invert:	-4.90 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-B2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-B1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	275.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-B2	005Yr-001Hr	11.46	-3.12	1.71	2.33	2.33	2.33
P-B1-B2	005Yr-024Hr	13.75	-4.02	2.10	2.80	2.80	2.80
P-B1-B2	010Yr-024Hr	21.67	-3.89	2.01	4.41	4.41	4.41
P-B1-B2	025Yr-072Hr	22.59	-3.94	2.12	4.60	4.60	4.60
P-B1-B2	100Yr-072Hr	22.82	-3.98	2.14	4.65	4.65	4.65

Pipe Link: P-B1-CS-01		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.75 ft	Invert:	-2.83 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-B1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-01	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	200.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B1-CS-01	005Yr-001Hr	30.20	-0.54	2.31	6.15	6.15	6.15
P-B1-CS-01	005Yr-024Hr	33.45	-0.54	2.51	6.81	6.81	6.81
P-B1-CS-01	010Yr-024Hr	39.79	-0.54	2.52	8.11	8.11	8.11
P-B1-CS-01	025Yr-072Hr	41.86	-0.54	2.57	8.53	8.53	8.53
P-B1-CS-01	100Yr-072Hr	45.28	-0.54	2.53	9.22	9.22	9.22

Pipe Link: P-B2-B3		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-4.54 ft	Invert:	-4.86 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-B3	Geometry: Circular		Geometry: Circular	
To Node:	NZA-B2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	275.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B2-B3	005Yr-001Hr	3.00	-4.02	-0.59	-1.28	-1.28	-1.28
P-B2-B3	005Yr-024Hr	3.30	-4.41	0.81	-1.40	-1.40	-1.40
P-B2-B3	010Yr-024Hr	9.51	-4.42	0.83	3.03	3.03	3.03
P-B2-B3	025Yr-072Hr	11.57	-4.43	0.85	3.68	3.68	3.68
P-B2-B3	100Yr-072Hr	7.01	-4.40	0.84	2.23	2.23	2.23

Pipe Link: P-B3-B4		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-3.77 ft	Invert:	-4.54 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-B4	Geometry: Circular		Geometry: Circular	
To Node:	NZA-B3	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	275.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B3-B4	005Yr-001Hr	1.65	-4.49	-0.56	-1.43	-1.43	-1.43
P-B3-B4	005Yr-024Hr	2.16	-4.75	-0.56	-1.51	-1.51	-1.51
P-B3-B4	010Yr-024Hr	3.37	-4.73	-0.56	-1.51	-1.51	-1.51
P-B3-B4	025Yr-072Hr	5.77	-4.77	-0.56	1.84	1.84	1.84
P-B3-B4	100Yr-072Hr	10.54	-4.75	-0.56	3.36	3.36	3.36

Pipe Link: P-B4-C2		Upstream		Downstream	
Scenario:	COMBINED	Invert:	0.58 ft	Invert:	-0.46 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-C2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-B4	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	628.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-B4-C2	005Yr-001Hr	1.38	-2.98	0.23	-0.95	-1.41	-1.18
P-B4-C2	005Yr-024Hr	1.38	-3.18	0.23	-1.01	-1.56	-1.28
P-B4-C2	010Yr-024Hr	9.91	-3.18	0.23	3.15	3.15	3.15
P-B4-C2	025Yr-072Hr	11.39	-3.18	0.23	3.63	3.63	3.63
P-B4-C2	100Yr-072Hr	11.73	-3.18	0.23	3.74	3.74	3.74

Pipe Link: P-C1-B1		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.88 ft	Invert:	-2.60 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-C1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-B1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	674.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-B1	005Yr-001Hr	5.42	-0.30	0.10	3.07	3.07	3.07
P-C1-B1	005Yr-024Hr	6.79	-0.30	0.10	3.84	3.84	3.84
P-C1-B1	010Yr-024Hr	7.27	-0.30	0.10	4.12	4.12	4.12
P-C1-B1	025Yr-072Hr	7.54	-0.30	0.10	4.27	4.27	4.27
P-C1-B1	100Yr-072Hr	7.77	-0.30	0.10	4.40	4.40	4.40

Pipe Link: P-C1-D2		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.60 ft	Invert:	-2.05 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-C1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-D2	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	715.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C1-D2	005Yr-001Hr	1.68	-1.78	-0.02	-1.01	-1.01	-1.01
P-C1-D2	005Yr-024Hr	2.37	-3.91	-0.02	-2.21	-2.21	-2.21
P-C1-D2	010Yr-024Hr	2.65	-4.13	0.02	-2.33	-2.33	-2.33
P-C1-D2	025Yr-072Hr	2.76	-4.26	-0.02	-2.41	-2.41	-2.41
P-C1-D2	100Yr-072Hr	2.30	-4.26	-0.02	-2.41	-2.41	-2.41

Pipe Link: P-C2-D8		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-2.00 ft	Invert:	-2.00 ft
	SOLUTIONS	Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-C2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-D8	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	664.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-C2-D8	005Yr-001Hr	10.07	-0.76	1.03	3.21	3.21	3.21
P-C2-D8	005Yr-024Hr	11.02	-0.76	0.63	3.51	3.51	3.51
P-C2-D8	010Yr-024Hr	12.22	-3.24	0.59	3.89	3.89	3.89
P-C2-D8	025Yr-072Hr	12.07	-6.60	0.60	3.84	3.84	3.84
P-C2-D8	100Yr-072Hr	12.90	-8.54	0.58	4.10	4.10	4.10

Pipe Link: P-CS-10-E1		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.00 ft	Invert:	-2.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-CS-10	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	1613.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-10-E1	005Yr-001Hr	0.03	-0.19	0.00	-0.06	-0.06	-0.06
P-CS-10-E1	005Yr-024Hr	0.15	-0.07	0.01	0.05	0.05	0.05
P-CS-10-E1	010Yr-024Hr	0.15	-0.09	0.01	0.05	0.05	0.05
P-CS-10-E1	025Yr-072Hr	1.23	-0.14	0.07	0.39	0.39	0.39
P-CS-10-E1	100Yr-072Hr	1.86	-0.17	0.12	0.59	0.59	0.59

Pipe Link: P-CS-10-PS-7		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	8.00 ft	Invert:	8.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-CS-10	Geometry: Circular		Geometry: Circular	
To Node:	NZA-PS-7	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	20.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-10-PS-7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-10-PS-7	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-CS-11-D1		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-2.00 ft	Invert:	-2.00 ft
	SOLUTIONS	Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-CS-11	Geometry: Circular		Geometry: Circular	
To Node:	NZA-D1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	1332.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-11-D1	005Yr-001Hr	0.04	-0.23	0.00	-0.07	-0.07	-0.07
P-CS-11-D1	005Yr-024Hr	0.69	-0.06	0.02	0.22	0.22	0.22
P-CS-11-D1	010Yr-024Hr	0.90	-0.09	0.04	0.29	0.29	0.29
P-CS-11-D1	025Yr-072Hr	1.00	-0.13	0.04	0.32	0.32	0.32
P-CS-11-D1	100Yr-072Hr	1.02	-0.17	0.04	0.33	0.33	0.33

Pipe Link: P-CS-11-PS-8		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	8.00 ft	Invert:	8.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-PS-8	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-11	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	10.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-11-PS-8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-11-PS-8	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-11-PS-8	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-11-PS-8	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS-11-PS-8	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-CS-TOWN-AA1		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	1.60 ft	Invert:	1.60 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-AA1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-TOWN	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	85.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS-TOWN-AA1	005Yr-001Hr	15.53	0.00	0.01	3.64	4.14	3.89
P-CS-TOWN-AA1	005Yr-024Hr	17.57	0.00	0.01	3.83	4.34	4.09
P-CS-TOWN-AA1	010Yr-024Hr	21.33	0.00	0.01	4.16	4.69	4.42
P-CS-TOWN-AA1	025Yr-072Hr	24.03	0.00	0.01	4.38	4.92	4.65
P-CS-TOWN-AA1	100Yr-072Hr	30.05	0.00	0.01	4.86	5.41	5.14

Pipe Link: P-CS3-S3		Upstream		Downstream	
Scenario:	COMBINED	Invert:	8.00 ft	Invert:	8.00 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-CS-03	Geometry: Circular		Geometry: Circular	
To Node:	NZA-PS3	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	12.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-CS3-S3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-CS3-S3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-D1-CS-05		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.50 ft	Invert:	-2.70 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-D1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-05	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	15.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-CS-05	005Yr-001Hr	11.14	-0.04	0.04	3.55	3.55	3.55
P-D1-CS-05	005Yr-024Hr	15.04	-0.07	0.34	4.79	4.79	4.79
P-D1-CS-05	010Yr-024Hr	15.38	-0.08	-0.33	4.90	4.90	4.90
P-D1-CS-05	025Yr-072Hr	15.58	-0.10	0.47	4.96	4.96	4.96
P-D1-CS-05	100Yr-072Hr	15.70	-0.09	-0.35	5.00	5.00	5.00

Pipe Link: P-D1-D2		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.05 ft	Invert:	-2.35 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-D1	Max Depth:	1.75 ft	Max Depth:	1.75 ft

Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	217.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-D2	005Yr-001Hr	9.88	-0.20	0.02	4.11	4.11	4.11
P-D1-D2	005Yr-024Hr	12.20	-0.38	-0.07	5.07	5.07	5.07
P-D1-D2	010Yr-024Hr	11.73	-0.40	-0.06	4.88	4.88	4.88
P-D1-D2	025Yr-072Hr	11.52	-0.45	0.07	4.79	4.79	4.79
P-D1-D2	100Yr-072Hr	11.61	-0.44	0.07	4.83	4.83	4.83

Pipe Link: P-D1-E1		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-2.35 ft	Invert:	-2.90 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-D1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	694.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D1-E1	005Yr-001Hr	2.47	-0.12	0.01	1.40	1.40	1.40
P-D1-E1	005Yr-024Hr	4.69	-0.33	0.03	2.65	2.65	2.65
P-D1-E1	010Yr-024Hr	5.25	-0.34	-0.03	2.97	2.97	2.97
P-D1-E1	025Yr-072Hr	5.26	-0.36	-0.04	2.98	2.98	2.98
P-D1-E1	100Yr-072Hr	5.26	-0.35	-0.04	2.97	2.97	2.97

Pipe Link: P-D2-D3		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.70 ft	Invert:	-2.05 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-D3	Geometry: Circular		Geometry: Circular	
To Node:	NZA-D2	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	276.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-D3	005Yr-001Hr	4.46	-0.05	0.01	2.52	2.52	2.52
P-D2-D3	005Yr-024Hr	8.94	-0.05	0.03	5.06	5.06	5.06
P-D2-D3	010Yr-024Hr	8.76	-0.05	0.03	4.96	4.96	4.96
P-D2-D3	025Yr-072Hr	8.80	-0.05	0.04	4.98	4.98	4.98
P-D2-D3	100Yr-072Hr	8.68	-0.05	0.04	4.91	4.91	4.91

Pipe Link: P-D2-E3		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.70 ft	Invert:	-2.10 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-D2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E3	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	304.83 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D2-E3	005Yr-001Hr	0.33	-4.54	0.01	-1.89	-1.89	-1.89
P-D2-E3	005Yr-024Hr	3.73	-5.04	0.06	-2.10	-2.10	-2.10
P-D2-E3	010Yr-024Hr	4.11	-5.82	-0.07	-2.42	-2.42	-2.42
P-D2-E3	025Yr-072Hr	4.32	-6.11	-0.07	-2.54	-2.54	-2.54
P-D2-E3	100Yr-072Hr	4.32	-5.21	0.07	-2.17	-2.17	-2.17

Pipe Link: P-D3-D4		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-2.33 ft	Invert:	-2.70 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-D4	Geometry: Circular		Geometry: Circular	
To Node:	NZA-D3	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	284.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D3-D4	005Yr-001Hr	2.34	-0.04	0.00	2.98	2.98	2.98
P-D3-D4	005Yr-024Hr	3.24	-0.07	-0.01	4.12	4.12	4.12
P-D3-D4	010Yr-024Hr	3.22	-0.09	0.01	4.11	4.11	4.11
P-D3-D4	025Yr-072Hr	3.20	-0.16	-0.01	4.07	4.07	4.07
P-D3-D4	100Yr-072Hr	3.16	-0.13	0.01	4.03	4.03	4.03

Pipe Link: P-D4-D5		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.43 ft	Invert:	-2.33 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-D5	Geometry: Circular		Geometry: Circular	
To Node:	NZA-D4	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	262.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D4-D5	005Yr-001Hr	1.36	-0.04	0.00	1.73	1.73	1.73
P-D4-D5	005Yr-024Hr	1.33	-1.17	0.05	1.69	1.69	1.69
P-D4-D5	010Yr-024Hr	1.30	-0.93	0.06	1.65	1.65	1.65
P-D4-D5	025Yr-072Hr	1.22	-0.74	0.06	1.55	1.55	1.55
P-D4-D5	100Yr-072Hr	1.22	-0.34	0.02	1.55	1.55	1.55

Pipe Link: P-D5-D6		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.42 ft	Invert:	-2.43 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-D6	Geometry: Circular		Geometry: Circular	
To Node:	NZA-D5	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	301.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D5-D6	005Yr-001Hr	0.00	-1.03	0.00	-1.31	-1.31	-1.31
P-D5-D6	005Yr-024Hr	0.00	-2.14	-0.02	-2.73	-2.73	-2.73
P-D5-D6	010Yr-024Hr	0.00	-2.04	-0.02	-2.60	-2.60	-2.60
P-D5-D6	025Yr-072Hr	0.00	-1.94	-0.02	-2.47	-2.47	-2.47
P-D5-D6	100Yr-072Hr	0.00	-1.85	-0.02	-2.35	-2.35	-2.35

Pipe Link: P-D6-D7		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-2.42 ft	Invert:	-2.42 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-D7	Geometry: Circular		Geometry: Circular	
To Node:	NZA-D6	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	292.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D6-D7	005Yr-001Hr	0.02	-3.74	-0.05	-4.76	-4.76	-4.76
P-D6-D7	005Yr-024Hr	0.02	-3.80	-0.11	-4.84	-4.84	-4.84
P-D6-D7	010Yr-024Hr	0.02	-3.79	-0.09	-4.83	-4.83	-4.83
P-D6-D7	025Yr-072Hr	0.02	-3.78	-0.11	-4.81	-4.81	-4.81
P-D6-D7	100Yr-072Hr	0.02	-3.79	-0.09	-4.82	-4.82	-4.82

Pipe Link: P-D7-D8		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.00 ft	Invert:	-2.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-D7	Geometry: Circular		Geometry: Circular	
To Node:	NZA-D8	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	10.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D7-D8	005Yr-001Hr	14.77	-2.03	8.60	4.70	4.70	4.70
P-D7-D8	005Yr-024Hr	37.02	-3.97	9.77	11.78	11.78	11.78
P-D7-D8	010Yr-024Hr	47.80	-3.95	9.56	15.21	15.21	15.21
P-D7-D8	025Yr-072Hr	51.16	-4.02	9.63	16.28	16.28	16.28
P-D7-D8	100Yr-072Hr	53.15	-4.40	9.81	16.92	16.92	16.92

Pipe Link: P-D7-E8		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.00 ft	Invert:	-2.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-D7	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E8	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	663.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-D7-E8	005Yr-001Hr	2.80	-1.83	1.31	0.89	0.89	0.89
P-D7-E8	005Yr-024Hr	3.22	-8.86	1.41	-2.82	-2.82	-2.82
P-D7-E8	010Yr-024Hr	3.21	-16.05	1.43	-5.11	-5.11	-5.11
P-D7-E8	025Yr-072Hr	3.45	-16.35	1.39	-5.21	-5.21	-5.21
P-D7-E8	100Yr-072Hr	3.51	-16.48	1.42	-5.25	-5.25	-5.25

Pipe Link: P-DS1-OUTFALL (94TH)		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-1.20 ft	Invert:	-3.12 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-DS1	Geometry: Circular		Geometry: Circular	
To Node:	OUTFALL (94th)	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	10.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS1-OUTFALL (94TH)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	010Yr-024Hr	0.01	0.00	0.01	0.00	0.00	0.00
P-DS1-OUTFALL (94TH)	025Yr-072Hr	2.44	0.00	0.31	0.50	0.50	0.50
P-DS1-OUTFALL (94TH)	100Yr-072Hr	5.83	0.00	-0.37	1.19	1.19	1.19

Pipe Link: P-DS2-OUTFALL		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.20 ft	Invert:	-2.47 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-DS2	Geometry: Circular		Geometry: Circular	
To Node:	OUTFALL (89th)	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	10.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-DS2-OUTFALL	010Yr-024Hr	0.01	0.00	0.01	0.00	0.00	0.00
P-DS2-OUTFALL	025Yr-072Hr	2.04	0.00	0.21	0.65	0.65	0.65
P-DS2-OUTFALL	100Yr-072Hr	4.59	0.00	0.27	1.46	1.46	1.46

Pipe Link: P-DS3-OUTFALL(CARLYLE)		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-4.70 ft	Invert:	-4.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-DS3	Geometry: Circular		Geometry: Circular	
To Node:	OUTFALL (CARLYLE)	Max Depth:	3.00 ft	Max Depth:	3.00 ft
		Bottom Clip			
Link Count:	1	Default:	0.00 ft	Default:	0.00 ft
Flow Direction:	Both	Op Table:		Op Table:	
Damping:	0.0000 ft	Ref Node:		Ref Node:	
Length:	11.00 ft	Manning's N:	0.0000	Manning's N:	0.0000
FHWA Code:	0	Top Clip			
Entr Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Exit Loss Coef:	0.00	Op Table:		Op Table:	
Bend Loss Coef:	0.00	Ref Node:		Ref Node:	
Bend Location:	0.00 dec	Manning's N:	0.0000	Manning's N:	0.0000
Energy Switch:	Energy				
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS3-OUTFALL(CARLYLE)	005Yr-001Hr	25.24	0.00	-9.75	3.57	3.57	3.57
P-DS3-OUTFALL(CARLYLE)	005Yr-024Hr	30.27	0.00	10.44	4.28	4.28	4.28
P-DS3-OUTFALL(CARLYLE)	010Yr-024Hr	35.18	0.00	10.44	4.98	4.98	4.98
P-DS3-OUTFALL(CARLYLE)	025Yr-072Hr	36.75	0.00	10.53	5.20	5.20	5.20
P-DS3-OUTFALL(CARLYLE)	100Yr-072Hr	39.16	0.00	10.55	5.54	5.54	5.54

Pipe Link: P-E1-E2		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.57 ft	Invert:	-2.18 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-E2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	230.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft

Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-E2	005Yr-001Hr	15.23	-0.08	0.01	4.85	4.85	4.85
P-E1-E2	005Yr-024Hr	18.99	-0.57	-0.10	6.05	6.05	6.05
P-E1-E2	010Yr-024Hr	19.30	-0.61	-0.07	6.14	6.14	6.14
P-E1-E2	025Yr-072Hr	19.29	-0.76	0.10	6.14	6.14	6.14
P-E1-E2	100Yr-072Hr	19.28	-0.69	0.09	6.14	6.14	6.14

Pipe Link: P-E1-F1		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.90 ft	Invert:	-2.71 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-F1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	692.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E1-F1	005Yr-001Hr	2.43	-1.05	-0.02	1.38	1.38	1.38
P-E1-F1	005Yr-024Hr	3.54	-1.23	-0.05	2.00	2.00	2.00
P-E1-F1	010Yr-024Hr	4.57	-1.19	-0.05	2.59	2.59	2.59
P-E1-F1	025Yr-072Hr	5.03	-1.16	-0.05	2.85	2.85	2.85
P-E1-F1	100Yr-072Hr	5.12	-1.05	-0.05	2.90	2.90	2.90

Pipe Link: P-E2-E3		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-0.45 ft	Invert:	-1.57 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-E3	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E2	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	260.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E2-E3	005Yr-001Hr	8.74	-0.10	0.01	2.78	2.78	2.78
P-E2-E3	005Yr-024Hr	12.60	-0.69	0.08	4.01	4.01	4.01
P-E2-E3	010Yr-024Hr	12.74	-0.73	0.09	4.05	4.05	4.05
P-E2-E3	025Yr-072Hr	12.82	-0.85	0.10	4.08	4.08	4.08
P-E2-E3	100Yr-072Hr	12.80	-0.78	0.09	4.07	4.07	4.07

Pipe Link: P-E3-E4		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-1.57 ft	Invert:	-0.45 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-E4	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E3	Max Depth:	2.00 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	283.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E3-E4	005Yr-001Hr	6.91	-0.18	0.02	2.20	3.91	3.05
P-E3-E4	005Yr-024Hr	8.74	-0.60	-0.06	2.78	4.95	3.87
P-E3-E4	010Yr-024Hr	8.62	-0.61	-0.05	2.74	4.88	3.81
P-E3-E4	025Yr-072Hr	8.68	-0.64	0.06	2.76	4.91	3.84
P-E3-E4	100Yr-072Hr	8.76	-0.64	-0.07	2.79	4.96	3.87

Pipe Link: P-E4-E5		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.57 ft	Invert:	-1.57 ft
		Manning's N:	0.0012	Manning's N:	0.0012
From Node:	NZA-E5	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E4	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	277.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E4-E5	005Yr-001Hr	8.52	-0.44	-8.12	2.71	2.71	2.71
P-E4-E5	005Yr-024Hr	10.93	-0.96	9.02	3.48	3.48	3.48
P-E4-E5	010Yr-024Hr	10.95	-1.07	8.83	3.49	3.49	3.49
P-E4-E5	025Yr-072Hr	14.53	-1.14	9.19	4.62	4.62	4.62
P-E4-E5	100Yr-072Hr	14.70	-1.11	9.06	4.68	4.68	4.68

Pipe Link: P-E5-E6		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.79 ft	Invert:	-1.57 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-E6	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E5	Max Depth:	2.25 ft	Max Depth:	2.25 ft

Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	275.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E5-E6	005Yr-001Hr	1.79	-4.11	0.71	-1.03	-1.03	-1.03
P-E5-E6	005Yr-024Hr	6.60	-4.62	0.69	1.66	1.66	1.66
P-E5-E6	010Yr-024Hr	6.23	-5.32	0.74	1.57	1.57	1.57
P-E5-E6	025Yr-072Hr	6.40	-5.65	0.77	1.61	1.61	1.61
P-E5-E6	100Yr-072Hr	6.56	-4.65	0.69	1.65	1.65	1.65

Pipe Link: P-E6-E7		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-1.89 ft	Invert:	-1.79 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-E7	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E6	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	275.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E6-E7	005Yr-001Hr	0.00	-2.80	-0.05	-1.59	-1.59	-1.59
P-E6-E7	005Yr-024Hr	3.92	-2.70	-0.13	2.22	2.22	2.22
P-E6-E7	010Yr-024Hr	3.53	-2.67	-0.14	2.00	2.00	2.00
P-E6-E7	025Yr-072Hr	3.78	-2.63	-0.13	2.14	2.14	2.14
P-E6-E7	100Yr-072Hr	3.71	-2.04	-0.14	2.10	2.10	2.10

Pipe Link: P-E7-E8		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-0.69 ft	Invert:	-1.89 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-E8	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E7	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	280.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E7-E8	005Yr-001Hr	0.00	-3.68	-0.05	-4.68	-4.68	-4.68
P-E7-E8	005Yr-024Hr	0.00	-3.84	-0.11	-4.89	-4.89	-4.89
P-E7-E8	010Yr-024Hr	0.00	-3.83	-0.11	-4.87	-4.87	-4.87
P-E7-E8	025Yr-072Hr	0.00	-3.82	-0.11	-4.86	-4.86	-4.86
P-E7-E8	100Yr-072Hr	0.00	-3.83	-0.11	-4.87	-4.87	-4.87

Pipe Link: P-E9-E8		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.00 ft	Invert:	-2.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-E9	Geometry: Circular		Geometry: Circular	
To Node:	NZA-E8	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	10.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-E8	005Yr-001Hr	1.42	-15.11	-7.98	-4.81	-4.81	-4.81
P-E9-E8	005Yr-024Hr	1.80	-20.89	-8.94	-6.65	-6.65	-6.65
P-E9-E8	010Yr-024Hr	1.78	-23.01	-8.71	-7.32	-7.32	-7.32
P-E9-E8	025Yr-072Hr	1.81	-23.23	-9.19	-7.39	-7.39	-7.39
P-E9-E8	100Yr-072Hr	1.81	-22.71	-9.18	-7.23	-7.23	-7.23

Pipe Link: P-E9-F9		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-2.00 ft	Invert:	-2.00 ft
	SOLUTIONS	Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-E9	Geometry: Circular		Geometry: Circular	
To Node:	NZA-F9	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	500.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-F9	005Yr-001Hr	0.34	-8.00	-0.99	-2.55	-2.55	-2.55
P-E9-F9	005Yr-024Hr	0.34	-8.78	-0.79	-2.79	-2.79	-2.79
P-E9-F9	010Yr-024Hr	0.34	-17.97	-0.79	-5.72	-5.72	-5.72
P-E9-F9	025Yr-072Hr	0.34	-19.05	-0.63	-6.06	-6.06	-6.06
P-E9-F9	100Yr-072Hr	0.34	-18.92	-0.79	-6.02	-6.02	-6.02

Pipe Link: P-E9-PS-7		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.00 ft	Invert:	-2.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-E9	Geometry: Circular		Geometry: Circular	
To Node:	NZA-PS-7	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	10.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-E9-PS-7	005Yr-001Hr	24.78	-0.48	7.72	7.89	7.89	7.89
P-E9-PS-7	005Yr-024Hr	26.85	-0.34	8.08	8.55	8.55	8.55
P-E9-PS-7	010Yr-024Hr	27.50	-0.33	7.86	8.75	8.75	8.75
P-E9-PS-7	025Yr-072Hr	27.55	-0.34	9.90	8.77	8.77	8.77
P-E9-PS-7	100Yr-072Hr	27.68	-0.34	7.88	8.81	8.81	8.81

Pipe Link: P-F1-F2		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.66 ft	Invert:	-1.36 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-F2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-F1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	217.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-F2	005Yr-001Hr	2.46	-0.03	0.01	3.13	3.13	3.13
P-F1-F2	005Yr-024Hr	2.61	-0.15	0.02	3.33	3.33	3.33
P-F1-F2	010Yr-024Hr	2.44	-0.11	0.02	3.10	3.10	3.10
P-F1-F2	025Yr-072Hr	2.44	-0.12	0.02	3.11	3.11	3.11
P-F1-F2	100Yr-072Hr	2.41	-0.23	0.02	3.07	3.07	3.07

Pipe Link: P-F1-G1		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-2.71 ft	Invert:	-2.80 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-F1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	119.25 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F1-G1	005Yr-001Hr	1.19	-2.05	-0.08	-1.16	-1.16	-1.16
P-F1-G1	005Yr-024Hr	1.71	-3.51	-0.11	-1.98	-1.98	-1.98
P-F1-G1	010Yr-024Hr	3.12	-4.36	-0.10	-2.47	-2.47	-2.47
P-F1-G1	025Yr-072Hr	3.80	-4.62	-0.14	-2.61	-2.61	-2.61
P-F1-G1	100Yr-072Hr	4.29	-4.74	-0.14	-2.68	-2.68	-2.68

Pipe Link: P-F2-F3		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	0.36 ft	Invert:	-1.66 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-F3	Geometry: Circular		Geometry: Circular	
To Node:	NZA-F2	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	276.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-F3	005Yr-001Hr	1.80	-0.01	0.00	2.29	2.29	2.29
P-F2-F3	005Yr-024Hr	2.65	-0.01	0.03	3.37	3.37	3.37
P-F2-F3	010Yr-024Hr	2.64	-0.01	0.02	3.36	3.36	3.36
P-F2-F3	025Yr-072Hr	2.67	-0.01	0.03	3.40	3.40	3.40
P-F2-F3	100Yr-072Hr	2.62	-0.01	0.03	3.34	3.34	3.34

Pipe Link: P-F2-G2		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.65 ft	Invert:	-1.65 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-F2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-G2	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	495.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F2-G2	005Yr-001Hr	1.83	-0.01	0.02	2.32	2.32	2.32
P-F2-G2	005Yr-024Hr	2.25	-0.06	0.08	2.86	2.86	2.86
P-F2-G2	010Yr-024Hr	2.18	-0.08	0.09	2.78	2.78	2.78
P-F2-G2	025Yr-072Hr	2.17	-0.12	0.09	2.76	2.76	2.76
P-F2-G2	100Yr-072Hr	2.17	-0.11	0.10	2.77	2.77	2.77

Pipe Link: P-F4-F5		Upstream		Downstream	
Scenario:	COMBINED	Invert:	0.51 ft	Invert:	1.47 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-F5	Geometry: Circular		Geometry: Circular	
To Node:	NZA-F4	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	262.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-F5	005Yr-001Hr	0.57	-0.01	0.00	1.05	1.05	1.05
P-F4-F5	005Yr-024Hr	0.58	-0.02	0.00	1.07	1.07	1.07
P-F4-F5	010Yr-024Hr	0.60	-0.02	0.01	1.10	1.10	1.10
P-F4-F5	025Yr-072Hr	0.60	-0.02	0.01	1.10	1.10	1.10
P-F4-F5	100Yr-072Hr	0.60	-0.02	0.01	1.09	1.09	1.09

Pipe Link: P-F4-G4		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	1.47 ft	Invert:	1.47 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-F4	Geometry: Circular		Geometry: Circular	
To Node:	NZA-G4	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	510.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F4-G4	005Yr-001Hr	1.02	-0.47	0.00	1.87	1.94	1.91
P-F4-G4	005Yr-024Hr	1.69	-0.45	0.00	3.09	3.24	3.14
P-F4-G4	010Yr-024Hr	1.69	-0.49	0.00	3.09	3.20	3.13
P-F4-G4	025Yr-072Hr	1.68	-0.19	0.00	3.08	3.15	3.10
P-F4-G4	100Yr-072Hr	1.66	-0.01	0.00	3.04	3.11	3.07

Pipe Link: P-F5-F6		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.00 ft	Invert:	-2.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-F6	Geometry: Circular		Geometry: Circular	
To Node:	NZA-F5	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	292.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F5-F6	005Yr-001Hr	0.56	-1.61	-0.02	-0.91	-0.91	-0.91
P-F5-F6	005Yr-024Hr	0.93	-1.56	0.01	-0.88	-0.88	-0.88
P-F5-F6	010Yr-024Hr	1.66	-1.51	-0.02	0.94	0.94	0.94
P-F5-F6	025Yr-072Hr	0.70	-1.49	-0.02	-0.84	-0.84	-0.84
P-F5-F6	100Yr-072Hr	1.67	-1.49	-0.02	0.95	0.95	0.95

Pipe Link: P-F6-F7		Upstream		Downstream	
Scenario:	COMBINED	Invert:	0.25 ft	Invert:	-2.00 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-F7	Geometry: Circular		Geometry: Circular	
To Node:	NZA-F6	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	271.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F6-F7	005Yr-001Hr	1.38	-0.98	0.00	1.76	1.76	1.76
P-F6-F7	005Yr-024Hr	1.12	-2.17	-0.01	-2.76	-2.76	-2.76
P-F6-F7	010Yr-024Hr	0.90	-2.11	0.01	-2.69	-2.69	-2.69
P-F6-F7	025Yr-072Hr	0.48	-2.06	0.01	-2.62	-2.62	-2.62
P-F6-F7	100Yr-072Hr	0.25	-1.76	0.01	-2.24	-2.24	-2.24

Pipe Link: P-F7-F8		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.17 ft	Invert:	0.25 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-F8	Geometry: Circular		Geometry: Circular	
To Node:	NZA-F7	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	303.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F7-F8	005Yr-001Hr	0.02	-1.85	0.00	-2.36	-2.36	-2.36
P-F7-F8	005Yr-024Hr	0.02	-3.09	0.01	-3.93	-3.93	-3.93
P-F7-F8	010Yr-024Hr	0.06	-3.09	0.01	-3.93	-3.93	-3.93
P-F7-F8	025Yr-072Hr	0.02	-3.07	-0.01	-3.91	-3.91	-3.91
P-F7-F8	100Yr-072Hr	0.02	-3.01	0.01	-3.83	-3.83	-3.83

Pipe Link: P-F8-F9		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.83 ft	Invert:	-2.17 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-F9	Geometry: Circular		Geometry: Circular	
To Node:	NZA-F8	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	321.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-F9	005Yr-001Hr	0.19	-2.97	-0.08	-3.79	-3.79	-3.79
P-F8-F9	005Yr-024Hr	0.17	-3.60	-0.07	-4.59	-4.59	-4.59
P-F8-F9	010Yr-024Hr	0.17	-3.68	-0.07	-4.68	-4.68	-4.68
P-F8-F9	025Yr-072Hr	0.17	-3.69	-0.06	-4.69	-4.69	-4.69
P-F8-F9	100Yr-072Hr	0.17	-3.69	-0.07	-4.69	-4.69	-4.69

Pipe Link: P-F8-G8		Upstream		Downstream	
Scenario:	COMBINED	Invert:	0.88 ft	Invert:	0.61 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
To Node:	NZA-F8	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	525.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-F8-G8	005Yr-001Hr	0.21	-1.78	0.00	-0.25	-0.25	-0.25
P-F8-G8	005Yr-024Hr	0.15	-2.94	-0.02	-0.42	-0.42	-0.42
P-F8-G8	010Yr-024Hr	0.29	-4.95	0.01	-0.70	-0.70	-0.70
P-F8-G8	025Yr-072Hr	0.16	-5.52	0.02	-0.78	-0.78	-0.78
P-F8-G8	100Yr-072Hr	0.16	-5.46	-0.01	-0.77	-0.77	-0.77

Pipe Link: P-FDOT-1A-2A		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-4.86 ft	Invert:	-3.43 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	FDOT-1A	Geometry: Circular		Geometry: Circular	
To Node:	FDOT-2A	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	275.42 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-1A-2A	005Yr-001Hr	3.37	-2.85	-0.76	1.07	1.07	1.07
P-FDOT-1A-2A	005Yr-024Hr	2.95	-4.14	-0.76	-1.32	-1.32	-1.32
P-FDOT-1A-2A	010Yr-024Hr	2.79	-5.92	-0.76	-1.88	-1.88	-1.88
P-FDOT-1A-2A	025Yr-072Hr	2.34	-6.44	-0.76	-2.05	-2.05	-2.05
P-FDOT-1A-2A	100Yr-072Hr	1.98	-7.02	-0.76	-2.23	-2.23	-2.23

Pipe Link: P-FDOT-2B-3B	Upstream	Downstream

Scenario:	COMBINED SOLUTIONS	Invert:	-2.97 ft	Invert:	-4.38 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	FDOT-2B	Geometry: Circular		Geometry: Circular	
To Node:	FDOT-3B	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	657.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-3B	005Yr-001Hr	4.51	-7.16	1.45	-0.74	-0.74	-0.74
P-FDOT-2B-3B	005Yr-024Hr	4.51	-8.54	1.45	-0.89	-0.89	-0.89
P-FDOT-2B-3B	010Yr-024Hr	4.51	-11.76	1.45	-1.22	-1.22	-1.22
P-FDOT-2B-3B	025Yr-072Hr	4.51	-13.87	1.45	-1.44	-1.44	-1.44
P-FDOT-2B-3B	100Yr-072Hr	4.51	-15.34	1.45	-1.59	-1.59	-1.59

Pipe Link: P-FDOT-2B-B4		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.97 ft	Invert:	-3.77 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	FDOT-2B	Geometry: Circular		Geometry: Circular	
To Node:	NZA-B4	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	135.04 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	

Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-2B-B4	005Yr-001Hr	3.47	-9.38	0.38	-2.99	-2.99	-2.99
P-FDOT-2B-B4	005Yr-024Hr	4.38	-9.51	-0.43	-3.03	-3.03	-3.03
P-FDOT-2B-B4	010Yr-024Hr	4.37	-17.76	-0.41	-5.65	-5.65	-5.65
P-FDOT-2B-B4	025Yr-072Hr	4.46	-18.59	-0.42	-5.92	-5.92	-5.92
P-FDOT-2B-B4	100Yr-072Hr	4.45	-19.05	0.42	-6.06	-6.06	-6.06

Pipe Link: P-FDOT-3A-4A		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.16 ft	Invert:	-7.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	FDOT-3A	Geometry: Circular		Geometry: Circular	
To Node:	FDOT-4A	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	264.74 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3A-4A	005Yr-001Hr	7.01	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4	005Yr-024Hr	7.32	-28.26	4.31	-2.94	-2.94	-2.94

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
P-FDOT-3A-4A	010Yr-024Hr	10.16	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	025Yr-072Hr	12.35	-28.26	4.31	-2.94	-2.94	-2.94
P-FDOT-3A-4A	100Yr-072Hr	19.39	-28.26	4.31	-2.94	-2.94	-2.94

Pipe Link: P-FDOT-3B-4B		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-4.38 ft	Invert:	-5.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	FDOT-5B	Geometry: Circular		Geometry: Circular	
To Node:	FDOT-5B	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	304.53 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-3B-4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-FDOT-3B-4B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-FDOT-4B-5B		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-5.00 ft	Invert:	-4.16 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	FDOT-4B	Geometry: Circular		Geometry: Circular	
To Node:	FDOT-5B	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	246.31 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-4B-5B	005Yr-001Hr	0.31	-3.31	-0.06	-0.67	-0.67	-0.67
P-FDOT-4B-5B	005Yr-024Hr	2.14	-2.97	0.06	-0.60	-0.60	-0.60
P-FDOT-4B-5B	010Yr-024Hr	3.14	-2.80	-0.07	0.64	0.64	0.64
P-FDOT-4B-5B	025Yr-072Hr	3.77	-5.25	-0.06	-1.07	-1.07	-1.07
P-FDOT-4B-5B	100Yr-072Hr	4.50	-6.60	0.05	-1.34	-1.34	-1.34

Pipe Link: P-FDOT-S106-S101		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-6.18 ft	Invert:	-9.20 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-S-106	Geometry: Circular		Geometry: Circular	
To Node:	NZA-S101	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	223.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	

Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT-S106 -S101	005Yr-001Hr	1.79	-14.45	-5.65	-2.04	-2.04	-2.04
P-FDOT-S106 -S101	005Yr-024Hr	3.97	-14.74	-7.04	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	010Yr-024Hr	4.72	-14.74	-7.15	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	025Yr-072Hr	6.08	-14.76	-7.13	-2.09	-2.09	-2.09
P-FDOT-S106 -S101	100Yr-072Hr	9.38	-14.76	-7.09	-2.09	-2.09	-2.09

Pipe Link: P-FDOT1B-2B		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	1.60 ft	Invert:	0.66 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	FDOT-1B	Geometry: Circular		Geometry: Circular	
To Node:	FDOT-2B	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	652.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT1B-2B	005Yr-001Hr	12.37	0.00	0.00	3.94	4.11	3.98
P-FDOT1B-2B	005Yr-024Hr	13.05	0.00	-0.01	4.15	4.71	4.26

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT1B-2B	010Yr-024Hr	13.02	0.00	0.00	4.15	4.81	4.34
P-FDOT1B-2B	025Yr-072Hr	13.22	0.00	0.02	4.21	4.81	4.25
P-FDOT1B-2B	100Yr-072Hr	13.07	0.00	0.02	4.16	4.36	4.18

Pipe Link: P-FDOT2B - S-82		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-3.45 ft	Invert:	0.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	FDOT-2B	Geometry: Circular		Geometry: Circular	
To Node:	NZA-S-82	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	378.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT2B - S-82	005Yr-001Hr	33.60	-29.11	1.69	-6.21	6.48	4.57
P-FDOT2B - S-82	005Yr-024Hr	38.21	-29.11	1.69	-6.21	6.75	4.89
P-FDOT2B - S-82	010Yr-024Hr	50.31	-29.11	1.69	-6.21	7.17	5.41
P-FDOT2B - S-82	025Yr-072Hr	53.07	-29.11	1.69	-6.21	7.37	5.66
P-FDOT2B - S-82	100Yr-072Hr	54.25	-29.11	1.69	-6.21	7.31	5.59

Pipe Link: P-FDOT4A-S106		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	3.81 ft	Invert:	-6.18 ft
		Manning's N:	0.0120	Manning's N:	0.0120

From Node:	FDOT-4A	Geometry: Circular		Geometry: Circular	
To Node:	NZA-S-106	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	823.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-FDOT4A-S106	005Yr-001Hr	4.33	0.00	0.00	3.83	0.61	2.22
P-FDOT4A-S106	005Yr-024Hr	8.96	0.00	0.00	4.69	1.27	2.98
P-FDOT4A-S106	010Yr-024Hr	12.42	0.00	0.00	5.16	1.76	3.46
P-FDOT4A-S106	025Yr-072Hr	17.37	0.00	0.00	5.72	2.46	4.09
P-FDOT4A-S106	100Yr-072Hr	26.82	0.00	0.00	6.62	3.79	5.20

Pipe Link: P-G1-G2		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-2.80 ft	Invert:	-3.19 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-G2	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	400.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G1-G2	005Yr-001Hr	3.05	-0.08	0.08	1.73	1.73	1.73
P-G1-G2	005Yr-024Hr	4.43	-0.44	0.25	2.50	2.50	2.50
P-G1-G2	010Yr-024Hr	5.79	-0.48	0.35	3.28	3.28	3.28
P-G1-G2	025Yr-072Hr	6.47	-1.03	0.36	3.66	3.66	3.66
P-G1-G2	100Yr-072Hr	6.58	-2.41	0.35	3.72	3.72	3.72

Pipe Link: P-G2-CS-02		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.22 ft	Invert:	-2.30 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-02	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	120.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-CS-02	005Yr-001Hr	23.57	-0.03	1.35	7.50	7.50	7.50
P-G2-CS-02	005Yr-024Hr	26.69	-0.03	1.74	8.50	8.50	8.50
P-G2-CS-02	010Yr-024Hr	33.00	-0.03	1.84	10.50	10.50	10.50
P-G2-CS-02	025Yr-072Hr	34.88	-0.03	1.92	11.10	11.10	11.10
P-G2-CS-02	100Yr-072Hr	37.52	-0.03	1.88	11.94	11.94	11.94

Pipe Link: P-G2-G3		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-3.38 ft	Invert:	-2.22 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G3	Geometry: Circular		Geometry: Circular	
To Node:	NZA-G2	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	262.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-G3	005Yr-001Hr	14.47	-0.53	0.84	4.61	4.61	4.61
P-G2-G3	005Yr-024Hr	15.33	-0.05	0.39	4.88	4.88	4.88
P-G2-G3	010Yr-024Hr	15.26	-0.05	0.45	4.86	4.86	4.86
P-G2-G3	025Yr-072Hr	15.89	-0.05	0.39	5.06	5.06	5.06
P-G2-G3	100Yr-072Hr	15.98	-0.05	0.42	5.09	5.09	5.09

Pipe Link: P-G2-I1		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-3.19 ft	Invert:	-2.93 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-I1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	563.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G2-I1	005Yr-001Hr	2.76	-1.60	-0.20	1.56	1.56	1.56
P-G2-I1	005Yr-024Hr	3.18	-1.61	-0.39	1.80	1.80	1.80
P-G2-I1	010Yr-024Hr	4.78	-1.62	-0.38	2.70	2.70	2.70
P-G2-I1	025Yr-072Hr	6.06	-1.61	-0.38	3.43	3.43	3.43
P-G2-I1	100Yr-072Hr	6.03	-1.61	-0.38	3.41	3.41	3.41

Pipe Link: P-G3-G4		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	1.48 ft	Invert:	-3.38 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G4	Geometry: Circular		Geometry: Circular	
To Node:	NZA-G3	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	270.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G3-G4	005Yr-001Hr	8.53	-0.75	0.14	3.12	2.72	2.72
P-G3-G4	005Yr-024Hr	9.99	-0.04	0.03	3.52	3.18	3.18
P-G3-G4	010Yr-024Hr	11.04	-0.04	0.03	3.53	3.52	3.52
P-G3-G4	025Yr-072Hr	10.21	-0.04	0.04	3.54	3.25	3.25
P-G3-G4	100Yr-072Hr	10.24	-0.04	0.04	3.52	3.26	3.26

Pipe Link: P-G4-G5		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	0.28 ft	Invert:	1.48 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G5	Geometry: Circular		Geometry: Circular	
To Node:	NZA-G4	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	267.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G4-G5	005Yr-001Hr	4.42	-0.27	0.02	2.50	2.50	2.50
P-G4-G5	005Yr-024Hr	7.17	-0.03	-0.02	4.05	4.05	4.05
P-G4-G5	010Yr-024Hr	7.75	-0.03	0.02	4.38	4.38	4.38
P-G4-G5	025Yr-072Hr	7.76	-0.03	-0.01	4.39	4.39	4.39
P-G4-G5	100Yr-072Hr	7.74	-0.03	-0.01	4.38	4.38	4.38

Pipe Link: P-G5-G6		Upstream		Downstream	
Scenario:	COMBINED	Invert:	0.19 ft	Invert:	0.28 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G6	Geometry: Circular		Geometry: Circular	
To Node:	NZA-G5	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	279.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G5-G6	005Yr-001Hr	0.76	-0.45	0.00	0.97	0.97	0.97
P-G5-G6	005Yr-024Hr	2.73	-0.09	0.01	3.48	3.48	3.48
P-G5-G6	010Yr-024Hr	2.79	-0.06	-0.01	3.55	3.55	3.55
P-G5-G6	025Yr-072Hr	2.80	-0.05	0.01	3.56	3.56	3.56
P-G5-G6	100Yr-072Hr	2.80	-0.05	0.01	3.57	3.57	3.57

Pipe Link: P-G6-G8		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-0.37 ft	Invert:	0.19 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G8	Geometry: Circular		Geometry: Circular	
To Node:	NZA-G6	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	550.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-G8	005Yr-001Hr	0.01	-2.96	0.00	-1.67	-1.67	-1.67
P-G6-G8	005Yr-024Hr	1.53	-2.69	0.04	-1.52	-1.52	-1.52
P-G6-G8	010Yr-024Hr	1.53	-2.38	0.02	-1.35	-1.35	-1.35
P-G6-G8	025Yr-072Hr	1.64	-2.27	0.03	-1.28	-1.28	-1.28
P-G6-G8	100Yr-072Hr	1.56	-1.59	0.03	-0.90	-0.90	-0.90

Pipe Link: P-G6-I7		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.97 ft	Invert:	-3.42 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-I7	Geometry: Circular		Geometry: Circular	
To Node:	NZA-I6	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	280.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G6-I7	005Yr-001Hr	19.43	-0.51	0.00	2.75	2.75	2.75
P-G6-I7	005Yr-024Hr	26.01	-0.38	0.35	3.68	3.68	3.68
P-G6-I7	010Yr-024Hr	29.15	-0.40	-0.26	4.12	4.12	4.12
P-G6-I7	025Yr-072Hr	30.73	-0.32	0.51	4.35	4.35	4.35
P-G6-I7	100Yr-072Hr	32.31	-0.36	-0.38	4.57	4.57	4.57

Pipe Link: P-G8-G9		Upstream		Downstream	
Scenario:	COMBINED	Invert:	0.81 ft	Invert:	-0.37 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-G9	Geometry: Circular		Geometry: Circular	
To Node:	NZA-G8	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	262.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-G9	005Yr-001Hr	7.01	-0.01	0.00	2.91	2.91	2.91
P-G8-G9	005Yr-024Hr	7.01	-0.01	0.05	2.91	2.91	2.91
P-G8-G9	010Yr-024Hr	6.94	-0.01	0.04	2.89	2.89	2.89
P-G8-G9	025Yr-072Hr	7.06	-0.01	-0.04	2.94	2.94	2.94
P-G8-G9	100Yr-072Hr	7.11	-0.01	-0.05	2.95	2.95	2.95

Pipe Link: P-G8-I7		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.30 ft	Invert:	-1.83 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-I7	Geometry: Circular		Geometry: Circular	
To Node:	NZA-G8	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	570.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-G8-I7	005Yr-001Hr	1.43	-14.96	0.01	-2.12	-2.12	-2.12
P-G8-I7	005Yr-024Hr	0.66	-16.33	-0.13	-2.31	-2.31	-2.31
P-G8-I7	010Yr-024Hr	0.68	-16.66	0.13	-2.36	-2.36	-2.36
P-G8-I7	025Yr-072Hr	0.97	-16.95	0.18	-2.40	-2.40	-2.40
P-G8-I7	100Yr-072Hr	0.93	-17.51	-0.19	-2.48	-2.48	-2.48

Pipe Link: P-I1-I2		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-1.17 ft	Invert:	-2.32 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-I2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-I1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	267.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I1-I2	005Yr-001Hr	1.70	-0.01	0.01	3.12	3.12	3.12
P-I1-I2	005Yr-024Hr	1.98	-0.17	0.04	3.64	3.64	3.64
P-I1-I2	010Yr-024Hr	1.97	-0.14	0.03	3.61	3.61	3.61
P-I1-I2	025Yr-072Hr	1.96	-0.15	0.03	3.60	3.60	3.60
P-I1-I2	100Yr-072Hr	1.96	-0.15	0.03	3.59	3.59	3.59

Pipe Link: P-I3-I4		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-1.54 ft	Invert:	1.02 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-I4	Geometry: Circular		Geometry: Circular	
To Node:	NZA-I3	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	275.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I3-I4	005Yr-001Hr	0.01	-1.16	-0.01	-0.66	-0.66	-0.66
P-I3-I4	005Yr-024Hr	0.36	-1.02	-0.02	-0.58	-0.58	-0.58
P-I3-I4	010Yr-024Hr	0.41	-1.02	-0.02	-0.58	-0.58	-0.58
P-I3-I4	025Yr-072Hr	0.56	-1.00	-0.03	-0.57	-0.57	-0.57
P-I3-I4	100Yr-072Hr	1.56	-0.94	-0.03	0.88	0.88	0.88

Pipe Link: P-I4-I5		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-0.68 ft	Invert:	-1.54 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-I5	Geometry: Circular		Geometry: Circular	
To Node:	NZA-I4	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	279.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I4-I5	005Yr-001Hr	0.01	-1.29	0.00	-1.64	-1.64	-1.64
P-I4-I5	005Yr-024Hr	0.23	-2.04	-0.01	-2.60	-2.60	-2.60
P-I4-I5	010Yr-024Hr	0.50	-2.04	0.01	-2.59	-2.59	-2.59
P-I4-I5	025Yr-072Hr	0.84	-1.99	0.01	-2.54	-2.54	-2.54
P-I4-I5	100Yr-072Hr	0.80	-1.90	-0.01	-2.42	-2.42	-2.42

Pipe Link: P-I5-I6		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.97 ft	Invert:	-0.74 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-I6	Geometry: Circular		Geometry: Circular	
To Node:	NZA-I5	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	275.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I5-I6	005Yr-001Hr	0.02	-2.49	0.00	-3.17	-3.17	-3.17
P-I5-I6	005Yr-024Hr	0.02	-2.86	-0.01	-3.64	-3.64	-3.64
P-I5-I6	010Yr-024Hr	0.02	-2.86	-0.01	-3.64	-3.64	-3.64
P-I5-I6	025Yr-072Hr	0.02	-2.87	-0.01	-3.66	-3.66	-3.66
P-I5-I6	100Yr-072Hr	0.10	-2.83	0.01	-3.61	-3.61	-3.61

Pipe Link: P-I6-CS-03		Upstream		Downstream	
Scenario:	COMBINED	Invert:	-3.46 ft	Invert:	-4.50 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-I6	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-03	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	190.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I6-CS-03	005Yr-001Hr	25.19	-0.01	0.00	3.56	3.56	3.56
P-I6-CS-03	005Yr-024Hr	30.22	-0.01	0.45	4.27	4.27	4.27
P-I6-CS-03	010Yr-024Hr	35.16	-0.01	0.31	4.97	4.97	4.97
P-I6-CS-03	025Yr-072Hr	36.71	-0.01	-0.63	5.19	5.19	5.19
P-I6-CS-03	100Yr-072Hr	39.11	-0.01	-0.54	5.53	5.53	5.53

Pipe Link: P-I7-I8		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.67 ft	Invert:	-2.97 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-I8	Geometry: Circular		Geometry: Circular	
To Node:	NZA-I7	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	280.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-I7-I8	005Yr-001Hr	5.83	-0.01	0.00	3.30	3.30	3.30
P-I7-I8	005Yr-024Hr	7.48	-0.01	-0.03	4.23	4.23	4.23
P-I7-I8	010Yr-024Hr	7.47	-0.01	0.03	4.23	4.23	4.23
P-I7-I8	025Yr-072Hr	7.56	-0.01	0.04	4.28	4.28	4.28
P-I7-I8	100Yr-072Hr	7.45	-0.01	0.02	4.22	4.22	4.22

Pipe Link: P-OUTFALL(96th)-CS-TOWN		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	1.60 ft	Invert:	1.60 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-CS-TOWN	Geometry: Circular		Geometry: Circular	
To Node:	OUTFALL (96th)	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			

Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	58.09 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-OUTFALL(96th)-CS-TOWN	005Yr-001Hr	15.53	0.00	0.00	4.14	5.53	4.83
P-OUTFALL(96th)-CS-TOWN	005Yr-024Hr	17.57	0.00	0.00	4.34	5.74	5.04
P-OUTFALL(96th)-CS-TOWN	010Yr-024Hr	21.33	0.00	0.00	4.69	6.12	5.40
P-OUTFALL(96th)-CS-TOWN	025Yr-072Hr	24.03	0.00	0.01	4.92	6.37	5.64
P-OUTFALL(96th)-CS-TOWN	100Yr-072Hr	30.05	0.00	0.01	5.41	6.90	6.16

Pipe Link: P-PS-8-D8		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.00 ft	Invert:	-2.00 ft
		Manning's N:	0.0110	Manning's N:	0.0110
From Node:	NZA-D8	Geometry: Circular		Geometry: Circular	
To Node:	NZA-PS-8	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	15.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	

Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS-8-D8	005Yr-001Hr	27.56	-0.65	7.87	8.77	8.77	8.77
P-PS-8-D8	005Yr-024Hr	44.72	-0.73	8.81	14.23	14.23	14.23
P-PS-8-D8	010Yr-024Hr	45.37	-0.74	8.81	14.44	14.44	14.44
P-PS-8-D8	025Yr-072Hr	45.48	-0.74	9.38	14.48	14.48	14.48
P-PS-8-D8	100Yr-072Hr	45.62	-0.71	9.03	14.52	14.52	14.52

Pipe Link: P-PS1-CS1		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.78 ft	Invert:	-2.75 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-PS1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-01	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	11.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-CS1	005Yr-001Hr	0.27	-34.85	20.14	-4.93	-4.93	-4.93
P-PS1-CS1	005Yr-024Hr	0.27	-36.50	-25.74	-5.16	-5.16	-5.16
P-PS1-CS1	010Yr-024Hr	0.27	-39.69	-27.00	-5.62	-5.62	-5.62
P-PS1-CS1	025Yr-072Hr	0.27	-39.76	-23.47	-5.62	-5.62	-5.62
P-PS1-CS1	100Yr-072Hr	0.27	-39.79	-23.85	-5.63	-5.63	-5.63

Pipe Link: P-PS1-DS1		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	8.00 ft	Invert:	8.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-PS1	Geometry: Circular		Geometry: Circular	
To Node:	NZA-DS1	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	63.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS1-DS1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS1-DS1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS2-CS-02		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	-2.50 ft	Invert:	-2.30 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-PS2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-CS-02	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	11.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-CS-02	005Yr-001Hr	0.02	-28.25	20.04	-4.00	-4.00	-4.00
P-PS2-CS-02	005Yr-024Hr	0.02	-29.83	22.55	-4.22	-4.22	-4.22
P-PS2-CS-02	010Yr-024Hr	0.02	-33.09	-22.00	-4.68	-4.68	-4.68
P-PS2-CS-02	025Yr-072Hr	0.09	-33.09	22.78	-4.68	-4.68	-4.68
P-PS2-CS-02	100Yr-072Hr	0.07	-33.10	-23.16	-4.68	-4.68	-4.68

Pipe Link: P-PS2-DS2		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	8.00 ft	Invert:	8.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-PS2	Geometry: Circular		Geometry: Circular	
To Node:	NZA-DS2	Max Depth:	1.33 ft	Max Depth:	1.33 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	38.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS2-DS2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS2-DS2	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-PS3-DS3		Upstream		Downstream	
Scenario:	COMBINED SOLUTIONS	Invert:	8.00 ft	Invert:	8.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-PS3	Geometry: Circular		Geometry: Circular	
To Node:	NZA-DS3	Max Depth:	1.33 ft	Max Depth:	1.33 ft

Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	11.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-PS3-DS3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
P-PS3-DS3	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P-S-82 - S-77		Upstream		Downstream	
Scenario:	COMBINED	Invert:	1.60 ft	Invert:	1.60 ft
	SOLUTIONS	Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-S-82	Geometry: Circular		Geometry: Circular	
To Node:	NZA-S-77	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Link Count:	1	Bottom Clip			
Flow Direction:	Both	Default:	0.00 ft	Default:	0.00 ft
Damping:	0.0000 ft	Op Table:		Op Table:	
Length:	888.00 ft	Ref Node:		Ref Node:	
FHWA Code:	0	Manning's N:	0.0000	Manning's N:	0.0000
Entr Loss Coef:	0.00	Top Clip			
Exit Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Loss Coef:	0.00	Op Table:		Op Table:	
Bend Location:	0.00 dec	Ref Node:		Ref Node:	
Energy Switch:	Energy	Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-S-82 - S-77	005Yr-001Hr	0.29	-0.06	0.01	0.51	1.89	1.20
P-S-82 - S-77	005Yr-024Hr	0.26	-0.27	-0.03	-0.50	-1.87	-1.18
P-S-82 - S-77	010Yr-024Hr	4.58	-1.68	0.03	1.45	2.91	2.08
P-S-82 - S-77	025Yr-072Hr	6.72	-2.98	-0.03	1.77	3.99	2.81
P-S-82 - S-77	100Yr-072Hr	7.65	-3.51	-0.03	1.85	4.06	2.86

Drop Structure Link: S-101		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-4.00 ft	Invert:	-4.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-S101	Geometry: Circular		Geometry: Circular	
To Node:	FDOT OUTFALL (CARLYLE)	Max Depth:	3.00 ft	Max Depth:	3.00 ft
		Bottom Clip			
Link Count:	1	Default:	0.00 ft	Default:	0.00 ft
Flow Direction:	Both	Op Table:		Op Table:	
Solution:	Combine	Ref Node:		Ref Node:	
Increments:	0	Manning's N:	0.0000	Manning's N:	0.0000
Pipe Count:	1	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	8.00 ft	Ref Node:	
Control Elevation:	8.00 ft	Discharge Coefficients	
Max Depth:	1.50 ft	Weir Default:	3.200
Max Width:	6.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-101 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-101 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Drop Structure Link: S-77		Upstream Pipe		Downstream Pipe	
Scenario:	COMBINED SOLUTIONS	Invert:	-4.00 ft	Invert:	-4.00 ft
		Manning's N:	0.0120	Manning's N:	0.0120
From Node:	NZA-S-77	Geometry: Circular		Geometry: Circular	
To Node:	FDOT OUTFALL (94th)	Max Depth:	3.00 ft	Max Depth:	3.00 ft
		Bottom Clip			
Link Count:	1	Default:	0.00 ft	Default:	0.00 ft
Flow Direction:	Both	Op Table:		Op Table:	
Solution:	Combine	Ref Node:		Ref Node:	
Increments:	0	Manning's N:	0.0000	Manning's N:	0.0000
Pipe Count:	1	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	12.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.00				
Bend Loss Coef:	0.00				
Bend Location:	0.00 dec				
Energy Switch:	Energy				
Pipe Comment:					

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical		

Geometry Type:	Rectangular		
Invert:	8.00 ft	Default:	0.00 ft
Control Elevation:	8.00 ft	Op Table:	
Max Depth:	1.50 ft	Ref Node:	
Max Width:	6.00 ft	Discharge Coefficients	
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S-77 - Pipe	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Pipe	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
S-77 - Weir: 1	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-A1-A2

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	NZA-A2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.61 ft	Discharge Coefficients	
Control Elevation:	4.61 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-A2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-A2	005Yr-024Hr	0.00	-3.45	0.00	0.00	0.00	0.00
W-A1-A2	010Yr-024Hr	0.00	-13.38	0.00	0.00	0.00	0.00
W-A1-A2	025Yr-072Hr	0.00	-20.19	0.00	0.00	0.00	0.00
W-A1-A2	100Yr-072Hr	0.00	-31.87	0.00	0.00	0.00	0.00

Weir Link: W-A1-B1

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	NZA-B1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.38 ft	Discharge Coefficients	
Control Elevation:	4.38 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-B1	100Yr-072Hr	2.28	0.00	0.00	0.93	0.93	0.93

Weir Link: W-A1-OUTFALL

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-A1	Default:	0.00 ft
To Node:	OUTFALL (95th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	3.81 ft	Ref Node:	
Control Elevation:	3.81 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A1-OUTFALL	010Yr-024Hr	8.65	0.00	0.00	1.46	1.46	1.46
W-A1-OUTFALL	025Yr-072Hr	19.83	0.00	0.00	1.92	1.92	1.92
W-A1-OUTFALL	100Yr-072Hr	34.75	0.00	0.01	3.16	3.16	3.16

Weir Link: W-A2-A3

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-A2	Default:	0.00 ft
To Node:	NZA-A3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.72 ft	Discharge Coefficients	
Control Elevation:	4.72 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A2-A3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A2-A3	005Yr-024Hr	0.00	-2.68	0.00	0.00	0.00	0.00
W-A2-A3	010Yr-024Hr	0.00	-8.61	0.00	-1.44	-1.44	-1.44
W-A2-A3	025Yr-072Hr	0.00	-12.78	0.00	-1.57	-1.57	-1.57
W-A2-A3	100Yr-072Hr	0.00	-20.31	0.00	-1.85	-1.85	-1.85

Weir Link: W-A3-A4

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-A4	Default:	0.00 ft
To Node:	NZA-A3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.41 ft	Discharge Coefficients	
Control Elevation:	5.41 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A3-A4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A3-A4	100Yr-072Hr	1.21	0.00	0.00	0.76	0.76	0.76

Weir Link: W-A4-B4

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-A4	Default:	0.00 ft
To Node:	NZA-B4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.02 ft
Control Elevation:	5.02 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-B4	025Yr-072Hr	1.64	0.00	0.00	0.84	0.84	0.84
W-A4-B4	100Yr-072Hr	11.22	0.00	0.00	1.51	1.51	1.51

Weir Link: W-A4-FDOT1B

Scenario:	COMBINED SOLUTIONS
From Node:	FDOT-1B
To Node:	NZA-A4
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.22 ft
Control Elevation:	4.22 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-A4-FDOT1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B							
W-A4-FDOT1 B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-FDOT1 B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-A4-FDOT1 B	025Yr-072Hr	2.60	0.00	1.22	0.24	0.24	0.24
W-A4-FDOT1 B	100Yr-072Hr	8.84	0.00	7.05	0.87	0.87	0.87

Weir Link: W-AA1-AA2

Scenario:	COMBINED SOLUTIONS	**Bottom Clip**	
From Node:	NZA-AA1	Default:	0.00 ft
To Node:	NZA-AA2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-AA2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-AA2	100Yr-072Hr	0.00	-4.43	0.00	-1.16	-1.16	-1.16

Weir Link: W-AA1-OUTFALL(96th)

Scenario:	COMBINED SOLUTIONS	**Bottom Clip**	
From Node:	NZA-AA1	Default:	0.00 ft

To Node:	OUTFALL (96th)		
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.00 ft	Ref Node:	
Control Elevation:	4.00 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA1-OUTFALL(96th)	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA1-OUTFALL(96th)	100Yr-072Hr	0.73	0.00	0.00	0.64	0.64	0.64

Weir Link: W-AA2-AA3

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-AA3	Default:	0.00 ft
To Node:	NZA-AA2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA2-AA3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	025Yr-072Hr	0.10	0.00	0.00	0.00	0.00	0.00
W-AA2-AA3	100Yr-072Hr	6.82	0.00	0.00	1.34	1.34	1.34

Weir Link: W-AA3-AA4

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-AA4	Default:	0.00 ft
To Node:	NZA-AA3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	4.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA3-AA4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA3-AA4	025Yr-072Hr	0.91	0.00	0.00	0.69	0.69	0.69
W-AA3-AA4	100Yr-072Hr	6.55	0.00	0.00	1.18	1.18	1.18

Weir Link: W-AA4-AA5

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-AA5	Default:	0.00 ft
To Node:	NZA-AA4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA4-AA5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-AA4-AA5	025Yr-072Hr	1.58	0.00	0.00	0.83	0.83	0.83
W-AA4-AA5	100Yr-072Hr	5.01	0.00	0.00	0.98	0.98	0.98

Weir Link: W-AA7-A4

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-AA7
To Node:	NZA-A4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.00 ft
Control Elevation:	4.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-001Hr	0.00	-1.72	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-AA7-A4	005Yr-024Hr	2.66	-6.19	0.00	-1.30	-1.30	-1.30
W-AA7-A4	010Yr-024Hr	5.19	-12.95	-2.02	-1.66	-1.66	-1.66
W-AA7-A4	025Yr-072Hr	6.97	-16.18	-1.75	-1.77	-1.77	-1.77
W-AA7-A4	100Yr-072Hr	7.74	-21.89	-2.84	-1.99	-1.99	-1.99

Weir Link: W-B1-B2

Scenario:	COMBINED SOLUTIONS	**Bottom Clip**	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	NZA-B2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.50 ft	**Discharge Coefficients**	
Control Elevation:	4.50 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-B2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-B2	025Yr-072Hr	0.00	-3.36	0.00	0.00	0.00	0.00
W-B1-B2	100Yr-072Hr	0.00	-17.13	0.00	0.00	0.00	0.00

Weir Link: W-B1-OUTFALL

Scenario:	COMBINED SOLUTIONS	**Bottom Clip**	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	OUTFALL (94th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	3.90 ft
Control Elevation:	3.90 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B1-OUTFALL	025Yr-072Hr	1.54	0.00	0.00	0.84	0.84	0.84
W-B1-OUTFALL	100Yr-072Hr	26.46	0.00	0.00	2.65	2.65	2.65

Weir Link: W-B2-B3

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-B2
To Node:	NZA-B3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.54 ft
Control Elevation:	4.54 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B2-B3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B2-B3	025Yr-072Hr	0.00	-6.36	0.00	-1.36	-1.36	-1.36
W-B2-B3	100Yr-072Hr	0.00	-15.79	0.00	-1.76	-1.76	-1.76

Weir Link: W-B3-B4

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-B3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.52 ft	Discharge Coefficients	
Control Elevation:	5.52 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	20.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B3-B4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B3-B4	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-B4-C2

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-B4	Default:	0.00 ft
To Node:	NZA-C2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	5.69 ft
Control Elevation:	5.69 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-C2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-C2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-C2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-C2	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-C2	100Yr-072Hr	0.00	-4.30	0.00	0.00	0.00	0.00

Weir Link: W-B4-FDOT2B

Scenario:	COMBINED SOLUTIONS
From Node:	FDOT-1B
To Node:	NZA-B4
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.21 ft
Control Elevation:	4.21 ft
Max Depth:	0.50 ft
Max Width:	20.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-B4-FDOT2 B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-B4-FDOT2 B	010Yr-024Hr	6.34	0.00	0.00	1.35	1.35	1.35
W-B4-FDOT2 B	025Yr-072Hr	6.06	0.00	1.80	1.28	1.28	1.28
W-B4-FDOT2 B	100Yr-072Hr	8.09	0.00	6.33	1.13	1.13	1.13

Weir Link: W-C1-B1

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-B1	Default:	0.00 ft
To Node:	NZA-C1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.86 ft	Discharge Coefficients	
Control Elevation:	4.86 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-B1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-B1	025Yr-072Hr	0.00	-1.97	0.00	0.00	0.00	0.00
W-C1-B1	100Yr-072Hr	0.00	-18.54	0.00	0.00	0.00	0.00

Weir Link: W-C1-D2

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-C1	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.80 ft
Control Elevation:	4.80 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C1-D2	025Yr-072Hr	1.70	-0.35	0.00	0.83	0.83	0.83
W-C1-D2	100Yr-072Hr	15.55	0.00	-1.28	1.41	1.41	1.41

Weir Link: W-C2-FDOT3B

Scenario:	COMBINED SOLUTIONS
From Node:	FDOT-3B
To Node:	NZA-C2
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	3.95 ft
Control Elevation:	3.95 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-C2-FDOT3B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-C2-FDOT3B	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-D1-D2

Scenario:	COMBINED SOLUTIONS	**Bottom Clip**	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-D1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.10 ft	**Discharge Coefficients**	
Control Elevation:	4.10 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-D2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-D2	005Yr-024Hr	11.39	0.00	0.00	1.60	1.60	1.60
W-D1-D2	010Yr-024Hr	26.80	0.00	0.00	2.44	2.44	2.44
W-D1-D2	025Yr-072Hr	32.56	0.00	0.01	2.96	2.96	2.96
W-D1-D2	100Yr-072Hr	35.25	0.00	0.01	3.20	3.20	3.20

Weir Link: W-D1-E1

Scenario:	COMBINED SOLUTIONS	**Bottom Clip**	

From Node:	NZA-D1		
To Node:	NZA-E1	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.24 ft	Ref Node:	
Control Elevation:	4.24 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-E1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-E1	010Yr-024Hr	12.23	0.00	0.00	1.63	1.63	1.63
W-D1-E1	025Yr-072Hr	20.10	0.00	0.00	1.93	1.93	1.93
W-D1-E1	100Yr-072Hr	24.14	0.00	-1.07	2.19	2.19	2.19

Weir Link: W-D1-OUTFALL

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-D1	Default:	0.00 ft
To Node:	OUTFALL (92nd)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D1-OUTFALL	100Yr-072Hr	2.25	0.00	0.00	0.93	0.93	0.93

Weir Link: W-D2-D3

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-D2	Default:	0.00 ft
To Node:	NZA-D3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.18 ft	Discharge Coefficients	
Control Elevation:	4.18 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-D3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-D3	005Yr-024Hr	0.00	-17.71	0.00	-1.85	-1.85	-1.85
W-D2-D3	010Yr-024Hr	0.00	-25.55	0.00	-2.32	-2.32	-2.32
W-D2-D3	025Yr-072Hr	0.00	-26.69	-0.01	-2.43	-2.43	-2.43
W-D2-D3	100Yr-072Hr	0.00	-28.25	-0.01	-2.57	-2.57	-2.57

Weir Link: W-D2-E3

Scenario:	COMBINED SOLUTIONS	Bottom Clip	

From Node:	NZA-D2
To Node:	NZA-E3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.17 ft
Control Elevation:	4.17 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D2-E3	005Yr-024Hr	2.87	-3.15	0.00	-1.03	-1.03	-1.03
W-D2-E3	010Yr-024Hr	7.38	-7.35	-1.81	-1.37	-1.37	-1.37
W-D2-E3	025Yr-072Hr	7.31	-7.98	-1.62	-1.40	-1.40	-1.40
W-D2-E3	100Yr-072Hr	6.27	-6.97	-2.52	-1.20	-1.20	-1.20

Weir Link: W-D3-D4

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-D4
To Node:	NZA-D3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.54 ft
Control Elevation:	4.54 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D3-D4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D3-D4	005Yr-024Hr	15.24	0.00	0.00	1.76	1.76	1.76
W-D3-D4	010Yr-024Hr	23.54	0.00	0.00	2.14	2.14	2.14
W-D3-D4	025Yr-072Hr	26.89	0.00	-0.26	2.44	2.44	2.44
W-D3-D4	100Yr-072Hr	27.36	0.00	-0.89	2.49	2.49	2.49

Weir Link: W-D4-D5

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-D5	Default:	0.00 ft
To Node:	NZA-D4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.56 ft	Discharge Coefficients	
Control Elevation:	4.56 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D4-D5	005Yr-001Hr	0.38	0.00	0.00	0.00	0.00	0.00
W-D4-D5	005Yr-024Hr	11.21	0.00	0.00	1.59	1.59	1.59
W-D4-D5	010Yr-024Hr	16.42	0.00	-2.05	1.79	1.79	1.79
W-D4-D5	025Yr-072Hr	16.52	0.00	2.09	1.76	1.76	1.76
W-D4-D5	100Yr-072Hr	15.33	0.00	2.09	1.39	1.39	1.39

Weir Link: W-D5-D6

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-D6	Default:	0.00 ft
To Node:	NZA-D5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.94 ft
Control Elevation:	4.94 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D5-D6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D5-D6	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D5-D6	010Yr-024Hr	0.00	-4.54	0.00	0.00	0.00	0.00
W-D5-D6	025Yr-072Hr	0.00	-12.23	0.00	-1.63	-1.63	-1.63
W-D5-D6	100Yr-072Hr	0.00	-20.61	2.06	-1.93	-1.93	-1.93

Weir Link: W-D6-D7

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-D7
To Node:	NZA-D6
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.40 ft
Control Elevation:	4.40 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	005Yr-001Hr	0.00	-2.67	0.00	0.00	0.00	0.00
W-D6-D7	005Yr-024Hr	0.00	-11.50	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D6-D7	010Yr-024Hr	0.00	-22.08	0.00	-2.00	-2.00	-2.00
W-D6-D7	025Yr-072Hr	0.00	-31.73	0.00	-2.88	-2.88	-2.88
W-D6-D7	100Yr-072Hr	0.00	-35.88	-0.01	-3.26	-3.26	-3.26

Weir Link: W-D7-FDOT4B

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	FDOT-4B	Default:	0.00 ft
To Node:	NZA-D7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	Discharge Coefficients	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-D7-FDOT4B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-D7-FDOT4B	005Yr-024Hr	4.68	0.00	0.00	1.19	1.19	1.19
W-D7-FDOT4B	010Yr-024Hr	9.32	0.00	0.00	1.49	1.49	1.49
W-D7-FDOT4B	025Yr-072Hr	15.79	0.00	-1.82	1.63	1.63	1.63
W-D7-FDOT4B	100Yr-072Hr	19.14	0.00	-1.16	1.74	1.74	1.74

Weir Link: W-E1-E2

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-E2	Default:	0.00 ft
To Node:	NZA-E1	Op Table:	

Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.22 ft
Control Elevation:	4.22 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-E2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-E2	010Yr-024Hr	15.64	0.00	0.00	1.77	1.77	1.77
W-E1-E2	025Yr-072Hr	26.59	0.00	0.00	2.42	2.42	2.42
W-E1-E2	100Yr-072Hr	32.64	0.00	0.01	2.97	2.97	2.97

Weir Link: W-E1-F1

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-E1
To Node:	NZA-F1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.26 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-F1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-F1	025Yr-072Hr	0.00	-9.65	0.00	-1.45	-1.45	-1.45
W-E1-F1	100Yr-072Hr	0.00	-22.70	-1.90	-2.06	-2.06	-2.06

Weir Link: W-E1-OUTFALL A

Scenario:	COMBINED SOLUTIONS	**Bottom Clip**	
From Node:	NZA-E1	Default:	0.00 ft
To Node:	OUTFALL (91st) - A	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.68 ft	**Discharge Coefficients**	
Control Elevation:	4.68 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL A	100Yr-072Hr	9.73	0.00	0.00	1.51	1.51	1.51

Weir Link: W-E1-OUTFALL B

Scenario:	COMBINED SOLUTIONS	**Bottom Clip**	

From Node:	NZA-E1		
To Node:	OUTFALL (91st) - B	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.68 ft	Ref Node:	
Control Elevation:	4.68 ft	**Discharge Coefficients**	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E1-OUTFALL B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E1-OUTFALL B	100Yr-072Hr	9.73	0.00	0.00	1.51	1.51	1.51

Weir Link: W-E2-E3

Scenario:	COMBINED SOLUTIONS	**Bottom Clip**	
From Node:	NZA-E3	Default:	0.00 ft
To Node:	NZA-E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.17 ft	**Discharge Coefficients**	
Control Elevation:	4.17 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E2-E3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E2-E3	005Yr-024Hr	7.79	0.00	0.00	1.41	1.41	1.41
W-E2-E3	010Yr-024Hr	20.20	0.00	0.00	1.87	1.87	1.87
W-E2-E3	025Yr-072Hr	22.53	0.00	-0.01	2.05	2.05	2.05
W-E2-E3	100Yr-072Hr	24.56	0.00	-0.80	2.23	2.23	2.23

Weir Link: W-E3-E4

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-E4	Default:	0.00 ft
To Node:	NZA-E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.38 ft	Discharge Coefficients	
Control Elevation:	4.38 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E3-E4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E3-E4	005Yr-024Hr	6.66	0.00	0.00	1.33	1.33	1.33
W-E3-E4	010Yr-024Hr	14.81	0.00	0.00	1.74	1.74	1.74
W-E3-E4	025Yr-072Hr	21.13	0.00	0.95	1.93	1.93	1.93
W-E3-E4	100Yr-072Hr	23.39	0.00	-3.10	2.13	2.13	2.13

Weir Link: W-E4-E5

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-E5	Default:	0.00 ft
To Node:	NZA-E4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Paved Road Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	4.81 ft	Ref Node:	
Control Elevation:	4.81 ft	Discharge Coefficients	
Max Depth:	0.50 ft	Weir Default:	2.800
Max Width:	22.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E4-E5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E4-E5	025Yr-072Hr	4.55	0.00	0.01	0.80	0.80	0.80
W-E4-E5	100Yr-072Hr	8.70	0.00	-1.62	0.79	0.79	0.79

Weir Link: W-E5-E6

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-E6	Default:	0.00 ft
To Node:	NZA-E5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.50 ft	Discharge Coefficients	
Control Elevation:	4.50 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E5-E6	005Yr-024Hr	0.26	-0.15	0.00	0.11	0.11	0.11
W-E5-E6	010Yr-024Hr	2.75	-0.88	0.00	-0.64	-0.64	-0.64
W-E5-E6	025Yr-072Hr	7.05	-1.42	-3.00	0.76	0.76	0.76
W-E5-E6	100Yr-072Hr	9.00	-1.64	-1.22	0.82	0.82	0.82

Weir Link: W-E6-E7

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-E7	Default:	0.00 ft
To Node:	NZA-E6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.03 ft	Discharge Coefficients	
Control Elevation:	4.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E6-E7	005Yr-001Hr	0.00	-6.02	0.00	-1.28	-1.28	-1.28
W-E6-E7	005Yr-024Hr	0.92	-6.37	-2.17	-1.30	-1.30	-1.30
W-E6-E7	010Yr-024Hr	0.82	-7.08	2.00	-1.34	-1.34	-1.34
W-E6-E7	025Yr-072Hr	1.07	-7.84	2.05	-1.36	-1.36	-1.36
W-E6-E7	100Yr-072Hr	4.24	-9.12	2.12	-1.21	-1.21	-1.21

Weir Link: W-E7-E8

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-E8	Default:	0.00 ft
To Node:	NZA-E7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	4.36 ft
Control Elevation:	4.36 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E7-E8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E7-E8	005Yr-024Hr	0.00	-7.41	0.00	0.00	0.00	0.00
W-E7-E8	010Yr-024Hr	0.00	-14.80	0.00	-1.74	-1.74	-1.74
W-E7-E8	025Yr-072Hr	0.00	-17.47	1.96	-1.84	-1.84	-1.84
W-E7-E8	100Yr-072Hr	0.00	-20.19	3.10	-1.93	-1.93	-1.93

Weir Link: W-E8-FDOT1A

Scenario:	COMBINED SOLUTIONS
From Node:	FDOT-1A
To Node:	NZA-E8
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.46 ft
Control Elevation:	4.46 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT1A	005Yr-001Hr	0.29	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT1	005Yr-024Hr	7.09	0.00	0.00	1.36	1.36	1.36

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
W-E8-FDOT1A	010Yr-024Hr	10.35	0.00	0.00	1.54	1.54	1.54
W-E8-FDOT1A	025Yr-072Hr	12.16	0.00	-2.08	1.63	1.63	1.63
W-E8-FDOT1A	100Yr-072Hr	13.85	0.00	-2.08	1.70	1.70	1.70

Weir Link: W-E8-FDOT5B

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	FDOT-5B	Default:	0.00 ft
To Node:	NZA-E8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.46 ft	Discharge Coefficients	
Control Elevation:	4.46 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-E8-FDOT5B	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-E8-FDOT5B	005Yr-024Hr	5.25	0.00	0.00	1.23	1.23	1.23
W-E8-FDOT5B	010Yr-024Hr	8.08	0.00	-0.03	1.42	1.42	1.42
W-E8-FDOT5B	025Yr-072Hr	9.91	0.00	1.37	1.52	1.52	1.52
W-E8-FDOT5B	100Yr-072Hr	11.59	0.00	-0.15	1.60	1.60	1.60

Weir Link: W-F1-F2			
Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.23 ft	Discharge Coefficients	
Control Elevation:	4.23 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-F2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-F2	010Yr-024Hr	0.00	-1.68	0.00	0.00	0.00	0.00
W-F1-F2	025Yr-072Hr	1.14	-11.53	-0.01	-1.52	-1.52	-1.52
W-F1-F2	100Yr-072Hr	2.39	-19.64	1.94	-1.89	-1.89	-1.89

Weir Link: W-F1-G1			
Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-F1	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.28 ft	Discharge Coefficients	
Control Elevation:	4.28 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F1-G1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F1-G1	025Yr-072Hr	5.85	-1.33	0.01	0.76	0.76	0.76
W-F1-G1	100Yr-072Hr	6.93	-4.00	1.26	0.77	0.77	0.77

Weir Link: W-F2-F3

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-F3	Default:	0.00 ft
To Node:	NZA-F2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.24 ft	Discharge Coefficients	
Control Elevation:	4.24 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-F3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-F3	005Yr-024Hr	4.01	0.00	0.00	1.13	1.13	1.13
W-F2-F3	010Yr-024Hr	10.38	0.00	0.00	1.55	1.55	1.55
W-F2-F3	025Yr-072Hr	20.06	0.00	0.00	1.93	1.93	1.93
W-F2-F3	100Yr-072Hr	27.70	0.00	-0.01	2.52	2.52	2.52

Weir Link: W-F2-G2

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-F2	Default:	0.00 ft
To Node:	NZA-G2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.01 ft
Control Elevation:	4.01 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F2-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F2-G2	005Yr-024Hr	4.29	0.00	0.00	1.15	1.15	1.15
W-F2-G2	010Yr-024Hr	10.66	0.00	0.00	1.56	1.56	1.56
W-F2-G2	025Yr-072Hr	17.50	0.00	-1.96	1.84	1.84	1.84
W-F2-G2	100Yr-072Hr	23.34	0.00	-2.04	2.12	2.12	2.12

Weir Link: W-F3-F4

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-F3
To Node:	NZA-F4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Gravel Road Vertical
Geometry Type:	Rectangular
Invert:	4.77 ft
Control Elevation:	4.77 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F3-F4	005Yr-024Hr	0.00	-1.60	0.00	0.00	0.00	0.00
W-F3-F4	010Yr-024Hr	0.00	-6.57	0.00	0.00	0.00	0.00
W-F3-F4	025Yr-072Hr	0.00	-14.23	0.00	0.00	0.00	0.00
W-F3-F4	100Yr-072Hr	0.00	-25.18	0.00	-2.29	-2.29	-2.29

Weir Link: W-F4-F5

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-F5	Default:	0.00 ft
To Node:	NZA-F4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.03 ft	Discharge Coefficients	
Control Elevation:	5.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-F5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-F5	010Yr-024Hr	1.50	0.00	0.00	0.81	0.81	0.81
W-F4-F5	025Yr-072Hr	9.08	0.00	0.00	1.48	1.48	1.48
W-F4-F5	100Yr-072Hr	22.07	0.00	0.00	2.01	2.01	2.01

Weir Link: W-F4-G4

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-F4	Default:	0.00 ft
To Node:	NZA-G4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	5.05 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F4-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F4-G4	025Yr-072Hr	1.85	0.00	0.00	0.87	0.87	0.87
W-F4-G4	100Yr-072Hr	7.89	0.00	2.06	1.13	1.13	1.13

Weir Link: W-F5-F6

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-F6
To Node:	NZA-F5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.81 ft
Control Elevation:	4.81 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F5-F6	005Yr-024Hr	0.00	-1.09	0.00	0.00	0.00	0.00
W-F5-F6	010Yr-024Hr	2.23	-3.32	-0.01	0.91	0.91	0.91

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F5-F6	025Yr-072Hr	3.75	-3.57	0.02	-0.82	-0.82	-0.82
W-F5-F6	100Yr-072Hr	12.17	-5.12	-1.49	1.11	1.11	1.11

Weir Link: W-F6-F7

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-F7	Default:	0.00 ft
To Node:	NZA-F6	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.63 ft	Discharge Coefficients	
Control Elevation:	4.63 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F6-F7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F6-F7	005Yr-024Hr	1.47	-4.87	-0.01	-1.03	-1.03	-1.03
W-F6-F7	010Yr-024Hr	6.04	-8.00	-0.01	1.28	1.28	1.28
W-F6-F7	025Yr-072Hr	2.15	-10.26	1.93	-0.99	-0.99	-0.99
W-F6-F7	100Yr-072Hr	5.67	-11.89	3.29	-1.17	-1.17	-1.17

Weir Link: W-F7-F8

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-F7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.60 ft	Discharge Coefficients	

Control Elevation:	4.60 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F7-F8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F7-F8	005Yr-024Hr	0.00	-7.07	0.00	-1.36	-1.36	-1.36
W-F7-F8	010Yr-024Hr	2.04	-12.87	0.02	-1.42	-1.42	-1.42
W-F7-F8	025Yr-072Hr	0.00	-15.32	2.01	-1.39	-1.39	-1.39
W-F7-F8	100Yr-072Hr	0.00	-19.54	3.04	-1.84	-1.84	-1.84

Weir Link: W-F8-F9

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-F9
To Node:	NZA-F8
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.75 ft
Control Elevation:	4.75 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-F9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F8-F9	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F8-F9	010Yr-024Hr	0.00	-7.71	0.00	-1.39	-1.39	-1.39
W-F8-F9	025Yr-072Hr	0.00	-10.09	-1.25	-1.53	-1.53	-1.53
W-F8-F9	100Yr-072Hr	0.35	-13.97	-0.71	-1.71	-1.71	-1.71

Weir Link: W-F8-G8			
Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-F8	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	0.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F8-G8	005Yr-001Hr	2.99	-0.93	-0.01	0.27	0.27	0.27
W-F8-G8	005Yr-024Hr	4.93	-0.67	-0.01	0.45	0.45	0.45
W-F8-G8	010Yr-024Hr	8.31	-0.66	-0.01	0.76	0.76	0.76
W-F8-G8	025Yr-072Hr	9.27	-0.71	-0.02	0.84	0.84	0.84
W-F8-G8	100Yr-072Hr	9.16	-0.69	0.01	0.83	0.83	0.83

Weir Link: W-F9-FDOT2A			
Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	FDOT-2A	Default:	0.00 ft
To Node:	NZA-F9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.77 ft	Discharge Coefficients	
Control Elevation:	4.77 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	
Comment:			

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-F9-FDOT2 A	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2 A	005Yr-024Hr	0.02	0.00	0.00	0.00	0.00	0.00
W-F9-FDOT2 A	010Yr-024Hr	3.65	0.00	-0.03	1.09	1.09	1.09
W-F9-FDOT2 A	025Yr-072Hr	7.01	0.00	-0.08	1.36	1.36	1.36
W-F9-FDOT2 A	100Yr-072Hr	10.87	0.00	-0.14	1.57	1.57	1.57

Weir Link: W-G1-G2

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	NZA-G1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.36 ft	Discharge Coefficients	
Control Elevation:	4.36 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G1-G2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G1-G2	025Yr-072Hr	1.66	-8.05	-0.01	-1.34	-1.34	-1.34
W-G1-G2	100Yr-072Hr	6.80	-7.89	0.42	1.33	1.33	1.33

Weir Link: W-G2-G3

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-G2
To Node:	NZA-G3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.13 ft
Control Elevation:	4.13 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-G3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-G3	010Yr-024Hr	0.00	-7.12	0.00	0.00	0.00	0.00
W-G2-G3	025Yr-072Hr	0.00	-22.37	0.00	-2.03	-2.03	-2.03
W-G2-G3	100Yr-072Hr	0.00	-29.55	0.81	-2.69	-2.69	-2.69

Weir Link: W-G2-I1

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-G2
To Node:	NZA-I1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.29 ft
Control Elevation:	4.29 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-I1	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-I1	025Yr-072Hr	11.81	0.00	0.00	1.61	1.61	1.61
W-G2-I1	100Yr-072Hr	19.84	0.00	-2.06	1.87	1.87	1.87

Weir Link: W-G2-OUTFALL

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-G2	Default:	0.00 ft
To Node:	OUTFALL (89th)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	5.00 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G2-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G2-OUTFALL	100Yr-072Hr	3.82	0.00	0.00	1.11	1.11	1.11

Weir Link: W-G3-G4

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-G3
To Node:	NZA-G4
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.73 ft
Control Elevation:	4.73 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G3-G4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G3-G4	010Yr-024Hr	0.00	-3.28	0.00	0.00	0.00	0.00
W-G3-G4	025Yr-072Hr	0.00	-13.82	0.00	0.00	0.00	0.00
W-G3-G4	100Yr-072Hr	0.00	-27.78	0.00	-2.53	-2.53	-2.53

Weir Link: W-G4-G5

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-G4
To Node:	NZA-G5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.84 ft
Control Elevation:	4.84 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G4-G5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G4-G5	010Yr-024Hr	0.00	-6.46	0.00	0.00	0.00	0.00
W-G4-G5	025Yr-072Hr	0.00	-13.87	0.00	-1.70	-1.70	-1.70
W-G4-G5	100Yr-072Hr	0.00	-20.60	1.35	-1.87	-1.87	-1.87

Weir Link: W-G5-G6

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G5	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	Discharge Coefficients	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G5-G6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G5-G6	005Yr-024Hr	3.64	0.00	0.00	1.01	1.01	1.01
W-G5-G6	010Yr-024Hr	5.33	-1.33	-1.36	1.04	1.04	1.04
W-G5-G6	025Yr-072Hr	10.84	-1.77	-2.06	1.04	1.04	1.04
W-G5-G6	100Yr-072Hr	13.33	0.00	-1.35	1.21	1.21	1.21

Weir Link: W-G6-G8

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-G6	Default:	0.00 ft
To Node:	NZA-G7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.55 ft
Control Elevation:	4.55 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G6-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G6-G8	005Yr-024Hr	1.58	-2.00	0.01	-0.88	-0.88	-0.88
W-G6-G8	010Yr-024Hr	3.61	-3.26	-0.92	-1.05	-1.05	-1.05
W-G6-G8	025Yr-072Hr	3.90	-6.44	1.19	-1.10	-1.10	-1.10
W-G6-G8	100Yr-072Hr	0.00	-7.92	1.18	-1.14	-1.14	-1.14

Weir Link: W-G7-G8

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-G7
To Node:	NZA-G8
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	4.44 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G7-G8	005Yr-024Hr	6.25	0.00	0.00	1.30	1.30	1.30
W-G7-G8	010Yr-024Hr	8.80	0.00	-2.30	1.45	1.45	1.45
W-G7-G8	025Yr-072Hr	9.26	-0.16	1.92	1.48	1.48	1.48
W-G7-G8	100Yr-072Hr	8.70	-2.64	-2.58	1.46	1.46	1.46

Weir Link: W-G8-G9

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-G8	Default:	0.00 ft
To Node:	NZA-G9	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.63 ft	Discharge Coefficients	
Control Elevation:	4.63 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-G9	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-G9	005Yr-024Hr	0.00	-3.07	0.00	-1.03	-1.03	-1.03
W-G8-G9	010Yr-024Hr	0.00	-8.17	-0.04	-1.42	-1.42	-1.42
W-G8-G9	025Yr-072Hr	0.00	-10.13	-1.78	-1.52	-1.52	-1.52
W-G8-G9	100Yr-072Hr	0.00	-11.18	-1.74	-1.56	-1.56	-1.56

Weir Link: W-G8-I7

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-I7	Default:	0.00 ft
To Node:	NZA-G8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	4.70 ft
Control Elevation:	4.70 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G8-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-G8-I7	005Yr-024Hr	0.00	-0.44	0.00	0.00	0.00	0.00
W-G8-I7	010Yr-024Hr	0.00	-13.90	0.00	-1.70	-1.70	-1.70
W-G8-I7	025Yr-072Hr	0.00	-20.79	0.00	-1.92	-1.92	-1.92
W-G8-I7	100Yr-072Hr	0.00	-21.80	1.67	-1.98	-1.98	-1.98

Weir Link: W-G9-FDOT3A

Scenario:	COMBINED SOLUTIONS
From Node:	FDOT-3A
To Node:	NZA-G9
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.31 ft
Control Elevation:	4.31 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-G9-FDOT3A	005Yr-001Hr	2.37	0.00	0.00	0.87	0.87	0.87
W-G9-FDOT3	005Yr-024Hr	2.70	0.00	0.00	0.97	0.97	0.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A							
W-G9-FDOT3 A	010Yr-024Hr	3.26	0.00	1.93	0.92	0.92	0.92
W-G9-FDOT3 A	025Yr-072Hr	3.63	0.00	1.04	0.97	0.97	0.97
W-G9-FDOT3 A	100Yr-072Hr	4.29	0.00	0.79	1.15	1.15	1.15

Weir Link: W-I1-I2

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-I2	Default:	0.00 ft
To Node:	NZA-I1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.03 ft	Discharge Coefficients	
Control Elevation:	4.03 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-I2	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-I2	005Yr-024Hr	7.89	0.00	0.00	1.41	1.41	1.41
W-I1-I2	010Yr-024Hr	14.25	0.00	0.00	1.72	1.72	1.72
W-I1-I2	025Yr-072Hr	19.15	0.00	0.00	1.90	1.90	1.90
W-I1-I2	100Yr-072Hr	28.44	0.00	-1.96	2.59	2.59	2.59

Weir Link: W-I1-OUTFALL

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-I1	Default:	0.00 ft
To Node:	OUTFALL (88th)	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Rectangular
Invert:	5.00 ft
Control Elevation:	5.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I1-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I1-OUTFALL	100Yr-072Hr	2.21	0.00	0.00	0.92	0.92	0.92

Weir Link: W-I2-I3

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-I2
To Node:	NZA-I3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.55 ft
Control Elevation:	4.55 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I2-I3	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I2-I3	005Yr-024Hr	0.00	-6.77	0.00	0.00	0.00	0.00
W-I2-I3	010Yr-024Hr	0.00	-11.05	0.00	0.00	0.00	0.00
W-I2-I3	025Yr-072Hr	0.00	-14.21	0.00	0.00	0.00	0.00
W-I2-I3	100Yr-072Hr	0.00	-21.61	1.49	-1.97	-1.97	-1.97

Weir Link: W-I3-I4

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-I3	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.56 ft	Discharge Coefficients	
Control Elevation:	4.56 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I3-I4	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I3-I4	005Yr-024Hr	0.13	-3.14	0.00	-0.64	-0.64	-0.64
W-I3-I4	010Yr-024Hr	0.13	-5.20	0.00	-0.76	-0.76	-0.76
W-I3-I4	025Yr-072Hr	0.12	-6.71	0.00	-0.96	-0.96	-0.96
W-I3-I4	100Yr-072Hr	0.17	-14.17	2.06	-1.29	-1.29	-1.29

Weir Link: W-I4-I5

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-I5	Default:	0.00 ft
To Node:	NZA-I4	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.86 ft
Control Elevation:	4.86 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I4-I5	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I4-I5	010Yr-024Hr	0.04	-0.03	0.00	0.00	0.00	0.00
W-I4-I5	025Yr-072Hr	2.50	-0.65	0.00	0.96	0.96	0.96
W-I4-I5	100Yr-072Hr	8.78	-0.95	0.01	1.44	1.44	1.44

Weir Link: W-I5-I6

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-I6
To Node:	NZA-I5
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.70 ft
Control Elevation:	4.70 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I5-I6	005Yr-024Hr	0.00	-1.59	0.00	0.00	0.00	0.00
W-I5-I6	010Yr-024Hr	0.00	-4.43	0.00	-0.94	-0.94	-0.94
W-I5-I6	025Yr-072Hr	0.00	-6.75	0.01	-1.30	-1.30	-1.30
W-I5-I6	100Yr-072Hr	2.96	-11.47	-0.82	-1.60	-1.60	-1.60

Weir Link: W-I6-I7

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	NZA-I7	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	4.48 ft	Discharge Coefficients	
Control Elevation:	4.48 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	11.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-I7	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-I7	005Yr-024Hr	0.00	-0.03	0.00	0.00	0.00	0.00
W-I6-I7	010Yr-024Hr	0.00	-10.82	0.00	-1.98	-1.98	-1.98
W-I6-I7	025Yr-072Hr	0.00	-15.31	0.00	-2.78	-2.78	-2.78
W-I6-I7	100Yr-072Hr	0.00	-17.59	0.00	-3.20	-3.20	-3.20

Weir Link: W-I6-OUTFALL

Scenario:	COMBINED SOLUTIONS	Bottom Clip	
From Node:	NZA-I6	Default:	0.00 ft
To Node:	OUTFALL (CARLYLE)	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Rectangular
Invert:	7.30 ft
Control Elevation:	7.30 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I6-OUTFALL	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	005Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	010Yr-024Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	025Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I6-OUTFALL	100Yr-072Hr	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: W-I7-I8

Scenario:	COMBINED SOLUTIONS
From Node:	NZA-I7
To Node:	NZA-I8
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Paved Road Vertical
Geometry Type:	Rectangular
Invert:	4.58 ft
Control Elevation:	0.00 ft
Max Depth:	0.50 ft
Max Width:	22.00 ft
Fillet:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I7-I8	005Yr-001Hr	0.00	0.00	0.00	0.00	0.00	0.00
W-I7-I8	005Yr-024Hr	0.00	-4.37	0.00	0.00	0.00	0.00
W-I7-I8	010Yr-024Hr	0.00	-10.64	0.00	-1.56	-1.56	-1.56
W-I7-I8	025Yr-072Hr	0.00	-14.55	2.35	-1.73	-1.73	-1.73
W-I7-I8	100Yr-072Hr	0.00	-18.68	-2.07	-1.87	-1.87	-1.87

Weir Link: W-I8-FDOT4A

Scenario:	COMBINED SOLUTIONS	**Bottom Clip**	
From Node:	FDOT-4A	Default:	0.00 ft
To Node:	NZA-I8	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Positive	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Paved Road Vertical	Op Table:	
Geometry Type:	Rectangular	Ref Node:	
Invert:	3.87 ft	**Discharge Coefficients**	
Control Elevation:	3.87 ft	Weir Default:	2.800
Max Depth:	0.50 ft	Weir Table:	
Max Width:	22.00 ft	Orifice Default:	0.600
Fillet:	0.00 ft	Orifice Table:	

Comment:

Link Min/Max Conditions [COMBINED SOLUTIONS]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W-I8-FDOT4A	005Yr-001Hr	3.87	0.00	1.34	0.88	0.88	0.88
W-I8-FDOT4A	005Yr-024Hr	6.04	0.00	2.84	1.28	1.28	1.28
W-I8-FDOT4A	010Yr-024Hr	6.08	0.00	2.84	1.28	1.28	1.28
W-I8-FDOT4A	025Yr-072Hr	6.16	0.00	1.54	1.29	1.29	1.29
W-I8-FDOT4A	100Yr-072Hr	7.26	0.00	3.97	1.28	1.28	1.28

Rating Curve: RC-0001

Scenario: COMBINED SOLUTIONS
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	39.60
9.90	39.60

Comment: Surfside Drainage Wells:
DW 1: 620 GPM/FT
DW 2: 800 GPM/FT
DW 3: 800 GPM/FT

Rating Curve: RC-0002

Scenario: COMBINED SOLUTIONS
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	33.00
9.90	33.00

Comment: Surfside Drainage Wells:
DW 4: 500 GPM/FT
DW 5: 800 GPM/FT
DW 6: 550 GPM/FT

Rating Curve: RC-0003

Scenario: COMBINED SOLUTIONS
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	27.67
9.90	27.67

Comment: Surfside Drainage Wells:
DW 7: 500 GPM/FT
DW 8: 400 GPM/FT
DW 9: 650 GPM/FT

Rating Curve: RC-0004

Scenario: COMBINED SOLUTIONS
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	14.20
8.00	14.20

Comment: Existing Surfside Pump Station (92nd)

Rating Curve: RC-0005

Scenario: COMBINED SOLUTIONS
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
1.90	42.88
9.90	42.88

Comment: FDOT Drainage Wells:
600 GPM/FT

Rating Curve: RC-PROPOSED-92ND

Scenario: COMBINED SOLUTIONS
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	44.64
8.00	44.64

Comment: DW-14, DW-15, DW-16
@ 500 MGP

Rating Curve: RC-PROPOSED-TEST

Scenario: COMBINED SOLUTIONS
Type: Upstream Stage

Upstream Stage [ft]	Discharge [cfs]
2.00	26.70
8.00	26.70

Comment: DW-10, DW-11, DW-12 AT 500 GMP