

Town of Surfside PLANNING & ZONING BOARD AGENDA

May 23 2019 - 6:00 p.m.

Town Hall Commission Chambers – 9293 Harding Ave, 2nd Floor, Surfside, FL 33154

Rule 7.05 Decorum. Any person making impertinent or slanderous remarks or who becomes boisterous while addressing the commission shall be barred from further appearance before the commission by the presiding officer, unless permission to continue or again address the commission is granted by the majority vote of the commission members present. No clapping, applauding, heckling or verbal outbursts in support or opposition to a speaker or his or her remarks shall be permitted. Signs or placards may be disallowed in the commission chamber by the presiding officer. Persons exiting the commission chambers shall do so quietly.

Any person who received compensation, remuneration or expenses for conducting lobbying activities is required to register as a lobbyist with the Town Clerk prior to engaging in lobbying activities per Town Code Sec. 2-235. "Lobbyist" specifically includes the principal, as defined in this section, as well as any agent, officer or employee of a principal, regardless of whether such lobbying activities fall within the normal scope of employment of such agent, officer or employee. The term "lobbyist" specifically excludes any person who only appears as a representative of a not-for-profit community-based organization for the purpose of requesting a grant without special compensation or reimbursement for the appearance; and any person who only appears as a representative of a neighborhood, homeowners or condominium association without compensation for the appearance, whether direct or indirect or contingent, to express support of or opposition to any item.

Per Miami Dade County Fire Marshal, the Commission Chambers has a maximum capacity of 99 people. Once reached this capacity, people will be asked to watch the meeting from the first floor.

- 1. Call to Order/Roll Call
- 2. Town Commission Liaison Report Vice Mayor Gielchinsky
- 3. Approval of Minutes April 30, 2019
- 4. Applications:
 - **A. 9538 Harding Avenue –** The applicant is requesting three (3) Permanent Window Signs and one (1) television screen.
 - **B. 524 92nd Street-** The applicant is requesting to convert their garage to approximately 286 square feet of additional living space.
 - **C. 8826 Froude Avenue –** The applicant is requesting to build a 2,247 square foot two-story new home.
 - D. 9472 Harding Avenue "Mesa" Bar-Fish-Meat The applicant is requesting the change of face on one (1) existing illuminated Individually-Mounted Push Through Letter Sign for the Mesa Restaurant

5. Local Planning Agency Items

A. Florida Friendly Landscape

AN ORDINANCE OF THE TOWN COMMISSION OF THE TOWN OF SURFSIDE, FLORIDA, AMENDING ARTICLE VIII, "LANDSCAPE REQUIREMENTS," OF CHAPTER 90, "ZONING," OF THE TOWN'S CODE OF ORDINANCES BY ESTABLISHING FLORIDA-FRIENDLY LANDSCAPE REQUIREMENTS; PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; AND PROVIDING FOR AN EFFECTIVE DATE.

6. Discussion Items:

- A. Freeboard, Base Flood Elevation and Finished Floor Elevation
- **B. Summer Meetings Schedule**
- C. Future agenda items

7. Adjournment

THIS MEETING IS OPEN TO THE PUBLIC. IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990, ALL PERSONS THAT ARE DISABLED; WHO NEED SPECIAL ACCOMMODATIONS TO PARTICIPATE IN THIS MEETING BECAUSE OF THAT DISABILITY SHOULD CONTACT THE OFFICE OF THE TOWN CLERK AT 305-861-4863 EXT. 226 NO LATER THAN FOUR DAYS PRIOR TO SUCH PROCEEDING.

IN ACCORDANCE WITH THE PROVISIONS OF SECTION 286.0105, FLORIDA STATUTES, ANYONE WISHING TO APPEAL ANY DECISION MADE BY THE TOWN OF SURFSIDE COMMISSION, WITH RESPECT TO ANY MATTER CONSIDERED AT THIS MEETING OR HEARING, WILL NEED A RECORD OF THE PROCEEDINGS AND FOR SUCH PURPOSE, MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE WHICH RECORD SHALL INCLUDE THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

AGENDA ITEMS MAY BE VIEWED AT THE OFFICE OF THE TOWN CLERK, TOWN OF SURFSIDE TOWN HALL, 9293 HARDING AVENUE. ANYONE WISHING TO OBTAIN A COPY OF ANY AGENDA ITEM SHOULD CONTACT THE TOWN CLERK AT 305-861-4863. A COMPLETE AGENDA PACKET IS ALSO AVAILABLE ON THE TOWN WEBSITE AT www.townofsurfsidefl.gov.

TWO OR MORE MEMBERS OF TOWN COMMISSION OR OTHER TOWN BOARDS MAY ATTEND AND PARTICIPATE AT THIS MEETING.

THESE MEETINGS MAY BE CONDUCTED BY MEANS OF OR IN CONJUNCTION WITH COMMUNICATIONS MEDIA TECHNOLOGY, SPECIFICALLY, A TELEPHONE CONFERENCE CALL. THE LOCATION 9293 HARDING AVENUE, SURFSIDE, FL 33154, WHICH IS OPEN TO THE PUBLIC, SHALL SERVE AS AN ACCESS POINT FOR SUCH COMMUNICATION.



Town of Surfside PLANNING & ZONING BOARD MEETING

MINUTES

April 30, 2019 – 6:00 p.m.

Town Hall Commission Chambers – 9293 Harding Ave, 2nd Floor, Surfside, FL 33154

1. Call to Order/Roll Call

Vice Chair Frankel called the meeting to order at 6:10 p.m.

Present: Vice Chair Judith Frankel, Board Member Peter Glynn,

Board Member Rochel Kramer, and Board Member Brian Roller

Absent: Chair Lindsay Lecour, Board Member Marina Gershanovich, and

Board Member Jorge Garcia

Chair Lindsay Lecour entered at 6:48 p.m.

Also present were Town Manager Guillermo Olmedillo, Town Planner Sarah Sinatra Gould, Vice Mayor Gielchinsky and Town Attorney Dan Espino.

2. Town Commission Liaison Report – Vice Mayor Gielchinsky

A motion was made by Board Member Glynn to defer Vice Mayor Gielchinsky Liaison Report. The motion received a second from Board Member Roller. All voted in favor.

Vice Mayor Gielchinsky apologized to the Board for missing the last couple of meetings. He spoke regarding the Give a Foot – Get a Foot concept the Board discussed at their meeting and he stated he discussed that before the Commission. The Commission gave the direction to move forward with that and for the Planning & Zoning Board to do something similar to a resolution the Planning & Zoning Board passed several years ago.

Commission asked for a resolution or a memo laying out the particulars and ground work of what they were considering and if he could have it for the next commission meeting in order for him to discuss it in an open forum.

He discussed comments made by the public at the commission meeting regarding the discussion by the Planning & Zoning Board in the past regarding this item.

Discussion among the Board, Town Planner Sarah Sinatra Gould and Vice Mayor Gielchinsky took place regarding the language that will be requested from the legal department in order to have the documentation requested to go before the next

commission meeting in order to make the timeline for the referendum to be placed on the ballot.

The following speakers spoke on this item:

Eliana Salzhauer

Vice Mayor Gielchinsky left the meeting at 7:03 p.m.

3. Approval of Minutes – March 28, 2019

A motion was made by Board Member Roller to approve the March 28, 2019 Planning & Zoning Minutes. The motion received a second by Board Member Kramer. All voted in favor.

4. Applications:

A. 801 89th Street - The applicant is requesting to fix and replace their existing fence

Town Planner Sarah Sinatra Gould introduced the item and recommended approval with the condition to be consistent by planting shrubs with the height requirement and those shrubs must be installed once the wall is installed and within one year of permitting.

The following speakers spoke on this item:

Gad Boucheninou

Vice Chair Judith Frankel and Town Planner Sarah Sinatra Gould responded to the speaker's comments.

A motion was made by Board Member Brian Roller to approve with the stated staff conditions. The motion received a second from Board Member Peter Glynn. All voted in favor.

B. 9173 Abbott Avenue - The applicant is requesting to substantially renovate an existing house by remodeling the existing open den and converting it into a bedroom and enclosing the existing terrace and converting it into a family room.

Town Planner Sarah Sinatra Gould introduced the item and recommended approval with two (2) conditions: (1) that at the time of building permit the finished floor elevation will be verified and approved by the building official and (2) provide the landscape planted directly around where the front façade is located.

The following speakers spoke on this item:

Albert Ekevazo, the applicant.

Vice Chair Judith Frankel asked Town Planner Sarah Sinatra Gould if this project meets the 50%.

Town Planner Sarah Sinatra Gould stated that they do not currently meet the 50% and that is why the conditions were put in place.

Board Member Brian Roller asked if the applicant was pretty much gutting the area and asked regarding the garage conversion.

Albert Ekevazo, applicant, explained the project to the Board.

After further discussion among the Board and applicant regarding the landscaping a motion was made by Board Member Peter Glynn to approve with the stated staff conditions. The motion received a second from Board Member Brian Roller. All voted in favor.

C. 9480 Harding Avenue - The applicant is requesting one window sign for their business.

Town Planner Sarah Sinatra Gould introduced the item and recommended approval that the window sign will reflect the graphics provided in the submittal package. and they will have thirty (30) days to remove the sign.

Board Member Brian Roller would like to add the condition to remove the additional sign.

Town Planner Sarah Sinatra Gould stated they would do that in conjunction with the Code Enforcement Notice.

Town Planner Sarah Sinatra Gould and Board members added the condition that they must remove the additional sign within thirty (30) days.

A motion was made by Board Member Brian Roller to approve with the stated staff conditions. The motion received a second from Board Member Peter Glynn. All voted in favor.

5. Projects

A. Introduction of Professors - Guillermo Olmedillo, Town Manager

Town Manager Guillermo Olmedillo introduced the project that has been taking place with the Town working with local universities on urban design and planning and introduced two (2) professors from the University of Miami they have been working with. He introduced Chris Meyers from the University of Miami and gave a history of his experience and Shawna Meyers from the University of Miami and gave a history of her experience.

Professors Chris Meyers and Shawna Meyers gave a presentation of the project and they are currently working on with the Town.

Discussion among the Board Members, Town Manager Guillermo Olmedillo and Professors Meyers took place on the upcoming project, framework of several scenarios, the timelines and if students will be used to work on this project.

The following speakers spoke on this item: Eliana Salzhauer

6. Local Planning Agency Items

A. Prohibition of Hotels in the H40 District

AN ORDINANCE OF THE TOWN COMMISSION OF THE TOWN OF SURFSIDE, FLORIDA AMENDING THE TOWN OF SURFSIDE CODE OF ORDINANCES BY AMENDING SECTION 90-41, "REGULATED USES", TO CHANGE THE LIST OF PERMITTED, CONDITIONAL, AND PROHIBITED USES TO PROHIBIT HOTELS IN THE H-40 ZONING DISTRICT SOUTH OF 93RD STREET AND ADDRESS HOTEL ACCESSORY USES; PROVIDING FOR SEVERABILITY; PROVIDING FOR INCLUSION IN THE CODE; PROVIDING FOR CONFLICTS AND PROVIDING FOR AN EFFECTIVE DATE.

Town Clerk Sandra Novoa read the item into the record.

Town Planner Sarah Sinatra Gould introduced the item.

Chair Lindsay Lecour asked Town Planner Sarah Sinatra Gould to give the board an update of the concern from Commissioner Karukin.

Town Planner Sarah Sinatra Gould gave an update of the Commissioner Karukin concern being the character and massing of the scale.

The following speakers spoke on this item:

Sasha Plutno
Marc Levenson
Patricia Fernandez
Brian Bey
Pamela O'Hagan
Clara Diaz-Leal
Eliana Salzhauer
Maggie McManagle
Michael Kashtan
Alex Tachmes
Marianne Meischeid
Silvia Coltrane
George Kousoulas

Matthew Barnes
Tom Robertson
Rick Superstein
Jennifer Fine
Kristofer Machado
Anthony Blate
Esther Superstein
Fernanda Siqueira
Leonard Ambard

Discussion among the Board continued regarding the beach and that being the biggest resource the hotels would be using and other issues on the list including crime.

The Board requested to pursue other means of perceived impacts with facts of hotel use including historic/non-historic overlay, aggregation, massing and scale of the hotels, crime statistic report, where it originates, does an increase in guest increase crime, and consequences of grandfathering.

Town Manager Guillermo Olmedillo explained the code and how it pertains to short term rentals.

The Board requested additional time and deferral for more study, more specificity, additional discussion and to bring back as a discussion item with an extension of zoning in progress for three (3) months.

A motion was made to defer the item for further discussion which would evaluate the correlations of the impact on the hotel use and for alternative solutions and recommend the Commission to defer and extend the zoning in progress for three (3) months was made by Board Member Peter Glynn. The motion received a second by Vice Chair Judith Frankel. All voted in favor.

7. Discussion Items:

A. Freeboard & Height

Town Planner Sarah Sinatra Gould introduced the item regarding what was discussed at the March 28, 2019 Planning & Zoning meeting where staff presented graphics as it pertains to the height elevation and sea levels providing graphics of hurricanes.

The following speakers spoke on this item:

Sasha Plutno Eliana Salzhauer Jeff Rose George Kousoulas Clara Diaz-Leal Pamela O'Hagan Brian Bey Patricia Fernandez Maggie McManagle

Board Member Peter Glynn would like to give people the opportunity to rebuild something but not building mansions and something that everyone can agree upon.

Board Member Rochel Kramer spoke regarding the concerns of rebuilding.

Vice Chair Judith Frankel spoke regarding existing sea levels and the concerns of climate change and the topic of rebuilding homes in the future. She also asked if there could be revisions done to the code as to the setback requirements.

Chair Lindsay Lecour spoke regarding the storm surge, the existing code and the Comprehensive Plan.

Discussion continued among the Board and Staff regarding the interpretation of the code.

The Board requested a public workshop to take place to discuss revisions and educate the public with what the Town has done to address sea level rise.

Town Manager Guillermo Olmedillo answered Chair Lindsay Lecour question regarding the workshop and provided information about the professors from the University of Miami that were present earlier in the meeting that will be discussing their concerns on sea level rise. He discussed holding public meetings to educate the public.

Chair Lindsay Lecour requested to have dates for those workshops at their next meeting.

B. Future Agenda Items

There were no future agenda items discussed.

8. Adjournment

A motion was made by Board Member Peter Glynn seconded by Board Member Brian Roller to adjourn the meeting without objection at 9:40 p.m. Respectfully submitted,

Acce	pted t	this	da	y of	 2019).

	Chair Lindsay Lecour
Attest:	
Sandra Novoa, MMC	
Town Clerk	



MEMORANDUM

To: Design Review Board

Thru: Guillermo Olmedillo, Town Manager

From: Sarah Sinatra Gould, AICP, Town Planner

CC: Lillian Arango, Town Attorney

Date: May 23, 2019

Re: 9538 Harding Avenue – Lemel Spa

The subject property is located at 9538 Harding Avenue and is within the SD-B40 zoning district. The applicant is moving the business from 9471 Harding Avenue. The applicant is requesting three (3) Pemanent Window Signs and one (1) television screen.

Staff has reviewed the current application for consideration by the Design Review Board. In this report, Staff presents the following:

- Applicable Zoning Code regulations, along with the results of the review
- Staff Recommendation

STANDARDS / RESULTS

Town of Surfside Zoning Code, Applicable Requirements

Sec. 90-73

Signs	Permitted	Proposed
Area	Television Screen 20 percent of the area of the glass window if feature is within 36" of the window. If located greater than 36" away from a window the screen shall be permitted to exceed 20 percent of the window area. Window Signs 20 percent of the area of the glass window or door in which the sign is displayed.	Television Screen 1) Undetermined – Additional information regarding the location of the screen is required Window Signs 1. 13.8% of the window area 2. 11.3% of the "door" area 3. Insufficent dimensions provided



Location	With the exception of theater marquees and V-box signs, no sign shall be erected so that any portion thereof shall project over a dedicated street or sidewalk or so that any portion thereof shall project more than five feet from any main building wall.	Window Signs Signs do not project over the sidewalk or street
Permanent window sign	Lettering shall not exceed eigth inches in height. Acceptable materials include painted gold leaf or silver leaf, silk-screened, cut or polished metal, cut or frosted vinyl, and etched glass.	Lettering does not exceed eight inches in height

RECOMMENDATION

Staff recommends denial of the window signs subject to the following conditions:

- 1) Television Screen: Lacks information regarding how far back the TV is positioned. Television screens or similar electronic features shall not exceed 20 percent of the area of the glass window if the feature is within 36 inches of the window. Television screens or similar electronic features located greater than 36 inches away from a window shall be permitted to exceed 20 percent of the area of the glass window.
- 2) Provide the length of the LEMEL lettering for window sign #3. In doing so, an accurate coverage calculation can be determined.



DRB Meeting	/ 20
Application / Plans Due	/ 20

MAV1 19 346PM

Submission Checklist" document as well as completing this application in full. The owner and agent must sign the application with the appropriate supplemental documentation attached. Please print legibly in ink or type on this application form.

PROJECT INFORMATION	<u>N</u>			
OWNER'S NAME	VELVE LEWEL			
PHONE / FAX	786· 309·0000			
AGENT'S NAME				
ADDRESS	9538 HARDING AVE. SURFSIDE, FC 33/54			
PHONE / FAX				
PROPERTY ADDRESS	9538 HARDIS AR SULFSME, FC 38154			
ZONING CATEGORY				
DESCRIPTION OF PROPOSED WORK	HOWING OF SIGNAGE TO NEW LOCATION FROM 9471 HARDING AU to 9538 MARDING AVE			
INTERNAL USE ONLY	•			
Date Submitted	Project Number			
Report Completed	Date			
Fee Paid	\$			
ZONING STANDARDS	Required Provided			
Sign Area (if applicable)				
Awning Size (if applicable)				
Fence Height (if applicable)				
Wall Height (if applicable)				
SIGNATURE OF OWNER DATE SIGNATURE OF AGENT DATE				



MEMORANDUM

To: Planning & Zoning Board

Thru: Guillermo Olmedillo, Town Manager

From: Sarah Sinatra Gould, AICP, Town Planner

CC: Lillian Arango, Town Attorney

Date: May 23, 2019

Re: 524 92nd Street – Garage Conversion, Interior Remodeling

The property is located at 524 92nd Street, within the H30B zoning. The applicant is requesting to convert their garage to approximately 286 square feet of additional living space. Other renovations are being proposed in the interior and new windows and doors are proposed on the front, side and rear of the residence.



Staff has reviewed the current application for consideration by the Design Review Board. In this report Staff presents the following:

- Applicable Zoning Code regulations, along with the results of the review
- Staff Recommendation

STANDARDS / RESULTS

Town of Surfside Zoning Code, Applicable Requirements

Sec. 90-50.1 (5) Garage Facades

Required	Proposed
1 window	New double-single hung impact resistant window
Landscaping required along the base	No landscaping provided

Sec. 90.50 Architecture and roof decks

	Required	Proposed
Unique Elevation	A unique elevation from the main buildings of the adjacent two (2) homes shall be created through the modulation of at least three (3) of the following architectural features: (a)Length, width and massing of the structure; (b)Number of stories; (c)Façade materials; (d)Porches and other similar articulation of the front façade; (e)Number and location of doors and windows; and (f)Roof style and pitch.	The proposed home will feature different lengths, widths and massing, façade materials and roof style and pitch.
Wall openings	10% for all elevations	All elevations shall result in a zero percent net loss of wall openings.
Roof Material	(a) Clay Tile; (b) White concrete tile; (c) Solid color cement tile which color is impregnated with the same color intensity throughout, provided said color if granted approval by the Board; (d)Architecturally embellished metal if granted approval by the Board; or (e)Other Florida Building Code approved roof material(s) if granted approval by the Board.	Existing concrete roof tile

Sec. 90-77Off-street Parking Requirements

Required	Minimum Space Requirements	Proposed
Single-family	2 spaces	2 spaces are provided in existing driveway

Windows and Trims

Required	Proposed
Window styles should always be consistent	Consistent.
among all elevations of a building.	
Frame materials should never vary on a single	No variation.
building.	
Window, door and eave trim should be consistent on all elevations of the house	Consistent.

RECOMMENDATION

Staff finds the application meets the Code subject to the following;

 Provide landscaping or a planter in front of the converted garage. Per code section 90-50.1, the installation of planter is only permitted when the landscaping will result in insufficient off-street parking. There is sufficient space in the front yard for a landscaped strip which will not impede offstreet parking.

<u>Section 90-50.1:</u>If the garage entrance is located at the front or primary corner of the property, landscaping shall be provided along the base of the new exterior wall. When the installation of landscaping results in insufficient off-street parking, a landscaped planter shall be permitted in lieu of the required landscaping.

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N467:2 61. 008449



DRB Meeting	/ 20
Application / Plans Due	// 20

TOWN OF SURFSIDE SINGLE-FAMILY and TWO-FAMILY SITE PLAN APPLICATION

A complete submittal includes all items on the "Single-Family and Two-Family Site Plan Application Submission Checklist" document as well as completing this application in full. The owner and agent must sign the application with the appropriate supplemental documentation attached. Please print legibly in ink or type on this application form.

PROJECT INFORMATIO	<u>N</u>
OWNER'S NAME	Katy Holowitz
PHONE / FAX	786-352-2522
AGENT'S NAME	Jeffry Nose
ADDRESS	524 92nd St, Surside FL 33154
PHONE / FAX	305-733-2485
PROPERTY ADDRESS	524 92hal St. Shifsing FL 37157
ZONING CATEGORY	Musichtial H30B
DESCRIPTION OF PROPOSED WORK	galage conversion, interior remodeling
i i	
INTERNAL USE ONLY	
Date Submitted	Project Number
Report Completed	Date
Fee Paid	\$
ZONING STANDARDS	Required Provided
Plot Size	6,054.8
Setbacks (F/R/S)	301 90, 20, 20, 946, 1616, 2,00,
Lot Coverage	40%
Height	30' dust toput been sout de
Pervious Area	35% 43%
SIGNATURE OF OWNER	4/29/18 Agffle R Rac Y-29-19 DATE SIGNATURE OF AGENT DATE
	Town of Curfoids Cinals Family and Two Family City Plan Application



TOWN OF SURFSIDE SINGLE-FAMILY and TWO-FAMILY SITE PLAN APPLICATION PLANNING AND ZONING BOARD Rules and Procedures (June 2002)

The Planning and Zoning Board shall generally meet the last Thursday of each month at 7:00 pm. at Town Hall.

Plans and completed applications (including all supporting documentation) must be submitted to the Building Department at least 21 days prior to the meeting, with the payment of applicable fees (example: \$200.00 for Plan Review for Zoning), at which time they will be considered. Incomplete plans and applications will not be processed.

The applicant or duly authorized agent (per ownership affidavit) must be present at the meeting. If there are no applications for consideration by the Planning and Zoning Board, the monthly meeting may be cancelled at the discretion of the Chairman of the Board.

200 E		
Please advise the name of the Ro	resentative who will attend the hearing on behalf of this application	on:
Helfus A Reva	7-15-15	
NAME OF REPRESENTATIVE	DATE	

524 92nd St, Surfside, FL

Town of Surfside Zoning Code, Applicable Requirements

Sec. 90.43 Maximum building heights

Height	Required Maximum	Proposed
H30B	30 feet	20'9" to tie beam, top of pitch at 25

Sec. 90-45. Setbacks

H30A UPPER STORY FLOOR AREA IS LESS THAN 50% OF FIRST STORY FLOOR AREA	Required	Proposed
Maximum Lot Coverage	40%	35% Existing
FIRST STORY		
Primary Frontage	Minimum 20 feet	21'6" Existing
Interior side (lots greater than 50 feet in width)	10% of Frontage (61.25 feet = 6.125 feet)	11'10" Existing
Secondary Frontage	Minimum 10 feet	5'00" Existing
Rear	Minimum 20 feet	19'9" Existing
UPPER STORY		
Primary frontage	Minimum 20 feet/Average 22.5 feet	Existing N/A
Interior side (lots greater than 50 feet in width)	Minimum 10% of Frontage (61.25 feet = 6.125)	Existing N/A
Secondary Frontage	Minimum 10 feet/Average 12.5 feet	Existing N/A
Rear	Minimum 20 feet/Average n/a	Existing N/A

Sec. 90.49 Lot standards

Lot Standards H30B	Required	Proposed
Minimum Lot width	50 feet	50 feet
Minimum lot area	5,600 square feet	6,057.8
Maximum lot coverage	40%	35%
Pervious area	35% (minimum)	43%

Sec. 90.50 Architecture and roof decks

	Required	Proposed
Unique Elevation	A unique elevation from the main buildings of the adjacent two (2) homes shall be created through the modulation of at least three (3) of the following architectural features: (a)Length, width and massing of the structure; (b)Number of stories; (c)Façade materials; (d)Porches and other similar articulation of the front façade; (e)Number and location of doors and windows; and (f)Roof style and pitch.	
Wall openings	10% for all elevations	Existing. All elevations are 10% or greater for wall openings.

Roof Material	(a) Clay Tile; (b) White concrete tile; (c) Solid color cement tile which color is impregnated with the same color intensity throughout, provided said color if granted approval by the Design Review Board; (d) Architecturally embellished metal if granted approval by the Design Review Board; or (e) Other Florida Building Code approved roof material(s) if granted approval by the Design Review Board.	Existing, Concrete Tile Roof
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Sec. 90.61.1 Paving in front and rear yards in H30 and H40 Districts

Paving Yards	Required	Proposed
Front setback permeability	50% minimum	> 50%
Front yard landscaped	30% minimum	> 30%
Rear yard landscaped	20% minimum	> 20%
Number of Curb Cuts	One minimum	One
Curb Cut side set back	5 feet minimum	> 5 feet
Curb cut width	18 feet width maximum	11'6"
Driveway Materials	Limited to the following 1. Pavers 2. Color and texture treated concrete, including stamped concrete 3. Painted concrete shall	Existing pavers
	not be permitted.	

Sec. 90-77 Off-Street Parking Requirements

Required	Minimum Space Requirements	Proposed
Single-family	2 spaces	2 spaces are provided.

Town of Surfside Adopted Residential Design Guidelines

Building Massing

Required	Proposed	
Building forms should be varied enough to avoid monotony and to avoid pyramidal massing and should be compatible with surrounding houses.	Existing Consistent	

Decorative Features

Required	Proposed	
Decorative features should be stylistically consistent throughout the entire building.	Existing Consistent.	

Overall Architectural Style

Required	Proposed	
The overall style of each house should be consistent on all sides of the building, as well as among all portions of the roof.	Existing Consistent.	

Wall Materials and Finishes

Required	Proposed
The same material should be used on all building elevations unless multiple materials are a legitimate expression of the particular style.	Existing Consistent

Roof Materials, Types, and Slopes

Required	Proposed
Roof types and slopes should be generally the same over all parts of a single building.	Existing Consistent

Existing No Variation

Windows and Trims

Required	Proposed
Window styles should always be consistent among all elevations of a building.	Consistent.
Frame materials should never vary on a single building.	No variation.
Window, door and eave trim should be consistent on all elevations of the house	Consistent.



MEMORANDUM

To: Planning and Zoning Board

Thru: Guillermo Olmedillo, Town Manager

From: Sarah Sinatra Gould, AICP, Town Planner

CC: Lillian Arango, Town Attorney

Date: May 23, 2019

Re: 8826 Froude Avenue – New Home

The property is located at 8826 Froude Avenue, within the H30B zoning. The applicant is requesting to build a 2,247 square foot two-story new home. The plans include new driveway, walkways, pool, deck, covered porch and front courtyard.



Staff has reviewed the current application for consideration by the Design Review Board. In this report Staff presents the following:

- Applicable Zoning Code regulations, along with the results of the review
- Applicable Design Guideline standards, along with the results of the review
- Staff Recommendation

STANDARDS / RESULTS

Town of Surfside Zoning Code, Applicable Requirements

Sec. 42.92 Lowest Floor Elevation

Residential	Lowest Floor	Proposed
Single-Family Residential	Base Flood +2	Base Flood (8 Feet) +2 (10 Feet)

Sec. 90.43 Maximum building heights

Height	Required Maximum	Proposed
H30B	30 feet	26'4" from crown of road to top of tie beam.

Sec. 90-45. Setbacks

H30A AND H30B UPPER STORY FLOOR AREA IS LESS THAN 50% OF FIRST STORY FLOOR AREA	Required	Proposed
Maximum Lot Coverage	40%	39%
FIRST STORY (UP TO 15	FT IN HEIGHT)	
Primary frontage	Minimum 20 FT	20'
Interior side (lots equal to or less than 50 feet in width)	Minimum 5 FT	5'0"/5'9"
Rear	Minimum 20 FT	32'
UPPER STORY OR WALL PLANES GREATER THAN 15 FT IN HEIGHT		
Primary frontage	Minimum 20 FT / Average 22.5	20'
Interior side (lots equal to or less than 50 feet in width)	Minimum 5 FT / Average n/a	5'0"/5'9"
Rear	Minimum 20 FT / Average n/a	32'

Sec. 90-47. – Yards generally, allowable projections

	Required	Proposed
Open, unenclosed building entrance porches, platforms, stairs or paved terraces, not covered by a roof or canopy, and which do	 a) May extend or project into the required front or side yard no more than six feet b) and the encroachments shall not provide less than a 24- 	a) Extends more than6' into the frontsetbackb) Setback 3' from theproperty line

not extend above the level of the grade or entrance floor of the	inch setback to the property line.	
building		

Sec. 90.49 Lot standards

Lot Standards H30B	Required	Proposed
Minimum Lot width	50 feet	50 feet
Minimum lot area	5,600 feet	5,625 square feet
Maximum lot coverage	40%	39.94%
Pervious area	35% (minimum)	33.82%. Does not comply

Sec. 90.50 Architecture and roof decks

	Required	Proposed
Unique Elevation	A unique elevation from the main buildings of the adjacent two (2) homes shall be created through the modulation of at least three (3) of the following architectural features: (a)Length, width and massing of the structure; (b)Number of stories; (c)Façade materials; (d)Porches and other similar articulation of the front façade; (e)Number and location of doors and windows; and (f)Roof style and pitch.	The proposed two-story structure is a unique design and different than adjacent homes. The second-floor balcony and entryway articulation are utilized to add uniqueness to the front façade. Façade materials include stone cladding which is unique to the adjacent homes.
Wall openings	10% for all elevations	Not provided. North elevation does not appear to meet the 10% wall openings minimum
Roof Material	(a) Clay Tile; (b) White concrete tile; (c) Solid color cement tile which color is impregnated with the same color intensity throughout, provided said color if granted approval by the Design Review Board; (d)Architecturally embellished metal if granted approval by the Design Review Board; or (e)Other Florida Building Code approved roof material(s) if granted approval by the Design Review Board.	Proposing Standing seam metal roof bronze

Sec. 90.54 Accessory Structures

Accessory	Required	Proposed
buildings	90-54.2 Accessory swimming pools and decks, open and unenclosed, or covered by a screen	Swimming Pool and Deck (a) Rear: 5'0"

enclosure, may occupy a required rear, front, or side setback, subject to the following minimum setbacks:	(b) Interior Side: 5'9"/5'0" (c) Primary front: +10'
(a) Rear: Five feet.	
(b) Interior side: Five feet.	
(c) Primary (front) and secondary (Corner): Ten feet.	

Sec. 90-56.4 Front yard and corner yard fences and ornamental walls—Table.

Frontage	Maximum Height (Feet)	Maximum Opacity (Percent)	Proposed
50 feet	4.0 feet	All wall and fence surfaces above two (2) feet measured from grade shall maintain a maximum opacity of fifty (50) percent	A 5' high concrete block privacy wall with a portion of the wall containing a wood slate fence atop. Opacity & height do not conform to the code.

Sec. 90.61.1 Paving in front and rear yards in H30 and H40 Districts

Paving Yards	Required	Proposed
Front setback permeability	50% minimum	> 50%
Front yard landscaped	30% minimum	> 30%
Rear yard landscaped	20% minimum	Not provided and does not appear to be 20%
Number of Curb Cuts	One minimum	One
Curb Cut side set back	5 feet minimum	>5 feet
Curb cut width	18 feet maximum	11'7"
Driveway Materials	Limited to the following 1. Pavers 2. Color and texture treated concrete, including stamped concrete 3. Painted concrete shall not be permitted. 4. Asphalt shall not be permitted.	Pavers

Sec. 90-77 Off-Street Parking Requirements

Required	Minimum Space Requirements	Proposed
Single-family	2 spaces	2 spaces are provided (1 in driveway 1 in garage)

Sec. 90-89.4(6). Street Tree Requirements

Required	Required	Proposed
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Street trees shall be required at one shade	2 trees	2 trees
tree/palm tree per 20 linear feet of street		
frontage thereof along all public or private		
street right-of-ways in all zoning districts.		

Sec. 90-95. Single-family H30A and H30B district landscape requirements.

Required	Required	Proposed
A minimum of five trees of two different species and 25 shrubs shall be planted per lot.	5 trees, 25 shrubs	6 palms and more than 25 shrubs are
		provided.

Town of Surfside Adopted Residential Design Guidelines

Building Massing

Required	Proposed
Building forms should be varied enough to avoid monotony and to avoid pyramidal massing and should be compatible with surrounding houses.	Consistent

Decorative Features

Required	Proposed
Decorative features should be stylistically consistent throughout the entire building.	Consistent.
consistent throughout the entire building.	

Overall Architectural Style

Required	Proposed
The overall style of each house should be consistent on all sides of the building, as well as among all portions of the roof.	Consistent.

Wall Materials and Finishes

Required	Proposed
The same material should be used on all building elevations unless multiple materials are a legitimate expression of the particular style.	Consistent

Roof Materials, Types, and Slopes

Required	Proposed
Roof types and slopes should be generally	Consistent
the same over all parts of a single building.	
Restricted materials for roofs are pre-	(4) Architecturally embellished metal if
determined in the Town's Building Code,	granted approval by the Design Review
which restricts roofing materials to:	Board – Proposing standing seam metal
1. Clay tile;	roof bronze
2. White concrete tile;	

3. Solid color cement tile which color is	
impregnated with the same color intensity	
throughout, provided said color is first	
approved by the planning and zoning board;	
and	
4. Metal.	

Windows and Trims

Required	Proposed
Window styles should always be consistent	Consistent.
among all elevations of a building.	
Frame materials should never vary on a single	No variation.
building.	
Window, door and eave trim should be	Consistent.
consistent on all elevations of the house	

FINDINGS

Staff finds the application meets the Code subject to the following:

- Adjust and correct the distance in which the courtyard extends into the front setback. Open, unenclosed building entrance porches, platforms, stairs or paved terraces, not covered by a roof or canopy, and which do not extend above the level of the grade or entrance floor of the building, may extend or project into the required front or side yard no more than six feet. (Code Section 90-47.5)
- 2) Provide the setback distance from the side property line to the courtyard showing that it provides no less than a 24" setback. (Code Section 90-47.5)
- 3) Adjust and provide the required minimum 35% pervious area coverage. Currently, the site plan shows 33.82% pervious coverage. *(Code Section 90.49)*
- 4) Provide for a minimum of 10% wall openings on all elevations. (Code Section 90.50)
- 5) Adjust the height of proposed ornamental wall/fence in the front yard. The maximum height is 4 feet for an ornamental wall or fence in the front yard or corner. The proposed fence is 5 feet high (Code Section 90-56.4)
- 6) Adjust and provide the opacity calculation of the proposed ornamental wall/fence in the front yard. All wall and fence surfaces above 2 feet measured from grade shall maintain a maximum opacity of 50%. (Code section 90-56.4)
- 7) Adjust and provide a minimum of 20% landscaping in the rear yard. *(Code Section 90-61)*
- 8) Provide details for a minimum of 5 trees and 25 shrubs at building permit.

SURFSIDE TO THE PROPERTY OF TH

DRB Meeting	5/23/2019
Application / Plans Due	// 20

MARS:SI 61. IYAN

TOWN OF SURFSIDE SINGLE-FAMILY and TWO-FAMILY SITE PLAN APPLICATION

A complete submittal includes all items on the "Single-Family and Two-Family Site Plan Application Submission Checklist" document as well as completing this application in full. The owner and agent must sign the application with the appropriate supplemental documentation attached. Please print legibly in ink or type on this application form.

PROJECT INFORMATION	4
OWNER'S NAME	SURFSIDE 8824, LLC
PHONE / FAX	786.338.8377
AGENT'S NAME	MARCI VARCA
ADDRESS	280 W. HIUSBORD BWD. TERSBURBON
PHONE / FAX	786.338.8377
PROPERTY ADDRESS	8824 FRONDE AVE. SURFSIDE FL 3315
ZONING CATEGORY	RS-2
DESCRIPTION OF PROPOSED WORK	NEW HOME SINGLE FAMILY
	2 Story
INTERNAL USE ONLY	
Date Submitted	Project Number
Report Completed	Date
Fee Paid	\$
ZONING STANDARDS	Required Provided
Plot Size	5625
Setbacks (F/R/S)	20 15 5 20 32.7 5-8 5-9
Lot Coverage	40% 39.94%
Height	30 HIGHEST CROWN RD. 26-411
Pervious Area	33.82% (1,902S.F)
021	4.18.19
SIGNATIURE OF OWNER	DATE SIGNATURE OF AGENT DATE



MEMORANDUM

To: Planning & Zoning Board

Thru: Guillermo Olmedillo, Town Manager

From: Sarah Sinatra Gould, AICP, Town Planner

CC: Lillian Arango, Town Attorney

Date: May 23, 2019

Re: 9472 Harding Avenue – "Mesa" Bar-Fish-Meat

The subject property is located at 9472 Harding Avenue and is within the SD-B40 zoning district. The applicant is requesting the change of face on one (1) existing illuminated Individually-Mounted Push Through Letter Sign for the Mesa Restaurant. The applicant has indicated on the plans it is a cabinet sign and has not demonstrated with updated graphics that this is an Individually-Mounted Push Through Letter Sign. In addition, the applicant is requesting four (4) Permanent Window Signs.

Staff has reviewed the current application for consideration by the Design Review Board. In this report, Staff presents the following:

- Applicable Zoning Code regulations, along with the results of the review
- Staff Recommendation

STANDARDS / RESULTS

Town of Surfside Zoning Code, Applicable Requirements

Sec. 90-73

Signs	Permitted	Proposed
Area	Individually Mounted Letter Sign 45 square feet Window Signs 20 percent of the area of the glass window or door in which the sign is displayed.	Individually Mounted Letter Sign 31.3 square feet Window Signs 1) 3 sq. ft. (13% of the area) 2) 3 sq. ft. (13% of the area) 3) 3 sq. ft. (13% of the area)
		4) 3 sq. ft. (13% of the area)



Location	With the exception of theater marquees and V-box signs, no sign shall be erected so that any portion thereof shall project over a dedicated street or sidewalk or so that any portion thereof shall project more than five feet from any main building wall.	Individually Mounted Letter Sign Sign does not project over the sidewalk or street. Window Signs Sign does not project over the sidewalk or street
Illumination	All signage, lettering, logos or trademarks shall be required to be lit with white illumination from dusk to dawn. The illumination may be either internal illumination or external illumination, however, all walls below the sign shall be illuminated with white wall wash LED lighting. It shall be located and directed solely at the sign. The light source shall not be visible from or cast into the right-of-way, or cause glare hazards to pedestrians, motorists, or adjacent properties.	Individually Mounted Letter Sign Illumintaed Push Thru White Letter on Aluminium Mounted on Aluminum Window Signs Sign does not utilze illumination
Permanent window sign	Lettering shall not exceed eigth inches in height. Acceptable materials include painted gold leaf or silver leaf, silk-screened, cut or polished metal, cut or frosted vinyl, and etched glass.	Information on lettering sizes and material was not received.

RECOMMENDATION

Staff recommends denial of the cabinet sign. If the applicant can demonstrate that this is a push through signage, the following conditions shall apply:

1) Demonstrate with up-to-date graphics that the sign is an individually mounted push through letter sign.

Staff recommends approval of the windows signs subject to the following conditions:

1) Provide the lettering sizes. Information on the lettering size is not identified.



DRB Meeting	// 20
Application / Plans Due	// 20

TOWN OF SURFSIDE MULTI-FAMILY AND NON-RESIDENTIAL DESIGN REVIEW APPLICATION

(Signs, awnings, store fronts, fences, and walls etc)

A complete submittal includes all items on the "Multi-family and Non-Residential Design Review Application Submission Checklist" document as well as completing this application in full. The owner and agent must sign the application with the appropriate supplemental documentation attached. Please print legibly in ink or type on this application form.

PROJECT INFORMATION	<u>'N</u>	
OWNER'S NAME	212 Of Miami UC	
PHONE / FAX	954-439-7800	
AGENT'S NAME	CARJOS BLANDA	
ADDRESS	13758 SW 170 W, MAMI, Pl. 33/79	
PHONE / FAX	305 3238354	
PROPERTY ADDRESS	9472 Harding Aue, Surfside FL 33160	
ZONING CATEGORY		
DESCRIPTION OF PROPOSED WORK	Charge OF FACE ON EXISTING SIGN "MECA" BAR, FIS MEAT	
INTERNAL USE ONLY Date Submitted	Project Number	
Report Completed	Date	
Fee Paid	\$	
ZONING STANDARDS Sign Area (if applicable)	Required Provided	
Awning Size (if applicable		
Fence Height (if applicable)		
Wall Height (if applicable)	1 4/20/19 Purles Clarinco 4/30/1 DATE SIGNATURE OF AGENT DATE	
	Town of Surfside – Multi-Family and Non-Residential Design Review Application	



To: Planning & Zoning Board

From: Sarah Sinatra Gould, AICP, Town Planner

Date: May 23, 2019

Subject: Florida Friendly Landscape

The purpose of this memorandum is to summarize the Florida Friendly landscape requirements.

The current Town of Surfside Landscape Code utilizes xeriscaping landscape requirements, which are a set of seven principles (Planning and Design, Soil Improvements, Practical Turf Area, Efficient Irrigation, Mulch, Low Water Use Plants and Appropriate Maintenance) for water-wise landscaping. These principles utilize the concept of planning, design and maintenance of the landscaping with a sensible approach for water efficiency that allows the conservation of water while providing an attractive landscape.

It is recommended that the Town adopt a Florida Friendly landscape ordinance, which provides more robust standards than the Town's current regulations. This program has nine principles and is aimed at Florida's unique natural resources. It utilizes planning, design, installation and maintenance (Right Plant-Right Place, Water Efficiency, Fertilize Appropriately, Mulch, Attract Wildlife, Manage Yard Pest Responsibility, Recycle, Prevent Storm Runoff and Protection of Waterfronts). These principles seek to reduce environmental impacts from landscaping by properly applying water, fertilizer and pesticides, creating a wildlife habitat, preventing erosion and recycling yard wastes.

The proposed ordinance provides regulations for fertilizer and pesticides. Herbicides are not addressed in this ordinance as it is not a principal regulated by Florida Friendly. However, and a separate ordinance regulating herbicides is currently being researched and once prepared, will be presented to the Town Commission.

The proposed ordinance has provided efficient irrigation design standards, fertilizer standards, pesticide management and the requirement to utilize Florida Friendly

principles as identified in Florida Friendly Landscaping Guide to Plant Selection & Landscape Design.

The current landscape code is set up to be very site specific, functional, sustainable, irrigation efficient, water conservation focused, protective of the natural native habitat while providing a cohesive, distinctive lush design theme. The proposed modifications expand the current standards by seeking to reduce the environmental impact of fertilizers and pesticides, create a wildlife habitat and further encourage water conservation through efficiencies.

Staff has prepared an ordinance which exceeds the minimum requirements in Miami-Dade County and meets the Florida Friendly requirements. Modifying the existing ordinance to incorporate Florida Friendly principles will enhance, strengthen and provide a safer environment for the Town.

Enforcement of fertilizer and pesticides requires additional staff, particularly at the beginning when all properties must be inspected for compliance.

Only the sections that are in strike through and underline within the attached ordinance are being modified, which primarily relate to fertilization and irrigation. The existing landscape code has very specific requirements for the installation of landscaping, however this is applicable only to new construction and substantial improvements as defined in the code. The Planning and Zoning Board reviews the proposed landscaping, which requires a certain amount of trees and shrubs per lot. The Town also has an approved species list. This has been in the code for over 10 years and has been enforced when sites develop. This ordinance does not modify any of the required landscaping. Instead, it brings the Town into compliance with Florida Friendly provisions for fertilization and irrigation.

This ordinance was approved by the Town Commission on first reading on May 14, 2019. Minor, non-substantive changes were made which will be included in the second reading ordinance to the Commission.

Staff recommends that the Planning and Zoning Board recommend the ordinance to the Town Commission.

1	ORDINANCE NO. 2019
2	AN ORDINANCE OF THE TOWN COMMISSION OF THE
3	TOWN OF SURFSIDE, FLORIDA, AMENDING ARTICLE
4	VIII, "LANDSCAPE REQUIREMENTS," OF CHAPTER 90,
5	"ZONING," OF THE TOWN'S CODE OF ORDINANCES
6	BY ESTABLISHING FLORIDA-FRIENDLY LANDSCAPE
7	REQUIREMENTS; PROVIDING FOR CODIFICATION;
8 9	PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; AND PROVIDING FOR AN EFFECTIVE
10	DATE.
10	DATE.
11	WHEREAS, Article VIII, "Landscape Requirements," (the "Landscape Ordinance") or
12	Chapter 90, "Zoning" of the Town of Surfside ("Town") Code of Ordinances ("Code") utilizes
13	xeriscaping landscape requirements, which are a set of seven principles (Planning and Design
14	Soil Improvements, Practical Turf Area, Efficient Irrigation, Mulch, Low Water Use Plants and
15	Appropriate Maintenance) for water-wise landscaping ("Xeriscaping Principles"); and
16	WHEREAS, Xeriscaping Principles utilize the concept of planning, design and
17	maintenance of the landscaping with a sensible approach for water efficiency that allows the
18	conservation of water while providing an attractive landscape; and
19	WHEREAS, Miami-Dade County has adopted a Florida Friendly landscape ordinance
20	which has nine principles utilizing planning, design, installation and maintenance (Right Plant
21	Right Place, Water Efficiency, Fertilize Appropriately, Mulch, Attract Wildlife, Manage Yard
22	Pest Responsibility, Recycle, Prevent Storm Runoff and Protection of Waterfronts) and is aimed
23	at Florida's unique natural resources; and
24	WHEREAS, the Florida Friendly landscape principles seek to reduce environmental
25	impacts from landscaping by properly applying water, fertilizer and pesticides, creating a
26	wildlife habitat, preventing erosion and recycling yard wastes; and
27	WHEREAS, the Town's current Landscape Ordinance addresses, either explicitly or
28	impliedly, the Florida Friendly landscape principles; and
29	WHEREAS, the Town Commission seeks to exceed the minimum requirements of the
30	Miami-Dade County Ordinance and meet the requirements of Florida Friendly landscape
31	principles; and
32	WHEREAS, the Town Commission seeks to reduce the impact of nutrients on surface
33	and ground waters; and

34	WHEREAS, limiting the amount of fertilizer applied to the landscape will reduce the
35	risk of nutrient enrichment of surface and ground waters; and
36	WHEREAS, effective nutrient management requires more comprehensive control
37	measures; and
38	WHEREAS, the Town Commission has determined that the use of fertilizers on lands
39	within the Town creates a risk to contributing to adverse effects on surface and/or ground water;
40	and
41	WHEREAS, the Town Commission finds that Article VIII, "Landscape Requirements,"
42	of Chapter 90, "Zoning" of the Town Code should be amended to enhance, strengthen, and
43	provide a safer environment for the Town; and
44	WHEREAS, the Town Commission finds that this Ordinance is necessary for the
45	preservation and improvement of the environment, public health, safety and welfare of the
46	Town's residents and visitors.
47	NOW, THEREFORE, THE COMMISSION OF THE TOWN OF SURFSIDE
48	HEREBY ORDAINS:1
49	Section 1. Recitals. The above-stated recitals are true and correct and are
50	incorporated herein by this reference.
51	Section 2. Town Code Amended. The Code of the Town of Surfside, Florida is
52	hereby amended by amending Article VIII, "Landscape Requirements," of Chapter 90, "Zoning"
53	as follows:
54	Chapter 90 – Zoning
55	***
56	Article VIII. – Landscape Requirements
57	Sec 90-85 General.
58	90-85.1 Purpose and intent. The general purposes of this section are as follows:
59	(1) To encourage the establishment of a functional landscape and improve the aesthetic
60	quality, thereby promoting the health and general welfare of its citizenry in the Town of
61	Surfside;

¹ Coding: Strikethrough words are deletions to the existing words. <u>Underlined words</u> are additions to the existing words. Changes between first and second reading are indicted with highlighted double strikethrough and <u>double underline.</u>

62 (2) To create and enhance the aesthetic subtropical character and identity distinctiveness of the Town of Surfside;

- (3) To design landscaping to enhance architectural features, relate structure design to the site, visually screen sites and unsightly views, reduce noise impacts from major roadways and incompatible uses, strengthen important vistas and reinforce neighboring site design and architecture,
- (4) To prevent the expansion of the listed pest plant species by prohibiting the use of noxious exotic plants which invade native plant communities;
- (5) To promote the use of more wind tolerant trees and proper horticultural planting methods in order to maintain a more sustainable landscape;
- (6) To promote xeriscape Florida Friendly principles through the use of drought-tolerant landscape species, grouping of plant material by water requirements, <u>right plant in the right place</u>, appropriate fertilization, the use of irrigation systems that conserve the use of potable and non-potable water supplies, <u>mulching</u> and restrictions on the amount of lawn areas;
- (7) To utilize landscape material, specifically street trees, to visually define the hierarchy of roadways, and to provide shade and a visual edge along roadways;
- (8) To prevent the destruction of the town's existing tree canopy and promote its expansion to be valued and preserved for present and future generations;
- (9) To provide for the preservation of existing natural plant communities and re-establish native habitat where appropriate, and encourage the appropriate use of native plant and salt tolerant plant material in the landscape <u>and where applicable</u>, encourage appropriate <u>wildlife habitat areas</u>;
- (10) To promote the use of trees and shrubs for energy conservation by encouraging cooling through the provision of shade and the channeling of breezes, thereby helping to offset global warming and local heat island effects through the added absorption of carbon dioxide and reduction of heat islands:
- (11) To contribute to the processes of air movement, air purification, oxygen generation, ground water recharge, and stormwater runoff retention, while aiding in the abatement of noise, glare, heat, air pollution and dust generated by major roadways and intense use areas;
- (12) To improve the aesthetic appearance of the town through the use of plant material, thereby protecting and increasing property values within the community;
- (13) To promote the concept of planting the right tree or plant in the right place to avoid problems such as clogged sewers, cracked sidewalk and power services interruptions;
- (14) To provide the physical benefits of using plant material as a function and integral part of the Town of Surfside's development;
- (15) To provide minimum standards for landscaping new developments or for redevelopment;

102 (16)To promote water conservation and vegetation protection objectives by providing 103 for: 104 The preservation of existing plant communities pursuant to the requirements of 105 the Miami-Dade's Tree Preservation and Protection Ordinance; 106 The reestablishment of native plant communities; b. 107 The use of site-specific plant materials; and c. 108 d. The implementation of Xeriscape Florida Friendly principles as identified in 109 Florida-Friendly Landscaping-Guide to Plant Selection & Landscape Design South Florida Water Management District's Xeriscape Plant Guide II, as 110 amended, and as provided by law. 111 112 90-85.2 Definitions. 113 Accessway: A private vehicular roadway intersecting a public right-of-way. 114 Applicant: The owner or the authorized agent of the subject property. Application or apply means the actual physical deposition of fertilizer to turf or landscape 115 116 plants. 117 Applicator means any person who applies fertilizer on turf and/or landscape plants. 118 Approved test means a soil test from the University of Florida, government, or other 119 commercial licensed laboratory that regularly performs soil testing and recommendations. 120 Automatic controller means a mechanical or electronic device, capable of automated operation of valve stations to set the time, duration and frequency of a water application. 121 122 Berm: A linear earthen mound measured from the crown of the road or abutting finish floor 123 elevation and has a maximum slope of three to one. The berm shall consist of clean fill composed of planting soil. 124 125 Best management practices (BMP's) means turf and landscape practices or combination of practices based on research, field-testing, and expert review, determined to be the most 126 effective and practical site-specific means, including economic and technological 127 considerations, for improving water quality, conserving water supplies and protecting 128 129 natural resources. 130 Buffer, perimeter landscape: An area of flat a grade or bermed land which is set aside along 131 the perimeters of a parcel of land in which landscaping is required to provide an aesthetic 132 transition between adjacent plots to eliminate or reduce the adverse environmental impact, 133 and incompatible land use impacts. 134 Canopy: The upper portion of a tree consisting of limbs, branches and leaves. 135 Clear trunk: The distance between the top of the root ball along the vertical trunk or trunks 136 of a tree to the point at which lateral branching or fronds begin. 137 Clear wood ("gray wood"): The portion of the palm trunk which is mature hardwood measured from the top of the root ball to the base of green terminal growth or fronds. 138 139 Code enforcement officer, official, or inspector means any designated employee or agent of

the Town of Surfside whose duty is to enforce codes and ordinances enacted by the Town.

- 141 <u>Commercial applicator except as provided in F.S. § 482.1562(9), means any person who</u>
- applies fertilizer for payment or other consideration to property not owned by the person or
- firm applying the fertilizer or the employer of the applicators.
- 144 Commercial fertilizer applicator means any person who applies fertilizer on turf and/or
- landscape plants in the Town in exchange for money, goods, services or other valuable
- consideration.
- 147 *CPTED:* The acronym crime prevention through environmental design; design approach to
- reduce crime and fear of crime by creating a safe climate within a building environment.
- Diameter breast height (DBH): The diameter of the tree trunk(s) measured at 4½ feet above
- 150 grade.
- Disturbed land/ground: Any land where the original natural vegetation has been removed,
- displaced, overtaken or raked.
- *Emitter* primarily refers to devices used in microirrigation systems.
- 154 Fertilizing or fertilization means the act of applying fertilizer to turf, specialized turf or
- landscape plants.
- 156 Fertilizer means any substance or mixture of substances that contains one or more
- 157 recognized plant nutrients and which promotes plant growth, controls soil acidity or
- alkalinity, provides other soil enrichment, or provides other corrective measures to the soil.
- 159 <u>Florida-friendly landscape</u>. The principles of Florida-friendly landscaping include planting
- the right plant in the right place, efficient watering, appropriate fertilization, mulching,
- attraction of wildlife, responsible management of yard pests, recycling yard waste, reduction
- of stormwater runoff, and waterfront protections. Additional components of Florida-friendly
- landscape include planning and design, soil analysis, the uses of solid waste compost,
- practical use of turf, and proper maintenance.
- 165 Functional landscaping: The combination of living and nonliving materials that, when
- installed or planted, creates an ongoing system providing aesthetic and environmental
- enhancement to a particular site and surrounding area.
- 168 Groundcover: A dense, low-growing plant, other than turf, that, by the nature of its growth
- 169 characteristics completely covers the ground and does not usually exceed two feet in height.
- Guaranteed analysis means the percentage of plant nutrients or measures of neutralizing
- capability claimed to be present in a fertilizer.
- 172 *Hedge:* A dense row of evenly spaced shrubs planted to form a continuous, unbroken visual
- screen.
- 174 Hydrozone means a distinct grouping of plants with similar water needs and climatic
- 175 <u>requirements.</u>
- 176 Impervious area: An area covered by a material which does not permit infiltration or
- percolation of water directly into the ground.
- 178 Infiltration rate means the rate of water entry into the soil expressed as a depth of water per
- 179 <u>unit of time (inches per hour).</u>
- 180 *Irrigated landscape area* means all outdoor areas that require a permanent irrigation system.

- 181 <u>Irrigation zone</u> means a grouping of sprinkler heads, soakers, bubblers, or microirrigation 182 emitters operated simultaneously by the control of one valve.
- Institutional applicator means any person, other than a private person applying fertilizer on their own residential property or a commercial applicator (unless such definitions also apply under the circumstances), that applies fertilizer for the purpose of maintaining turf and/or landscape plants. Institutional applicators shall include, but shall not be limited to, owners, managers, or employees of public lands, schools, parks, religious institutions, utilities, industrial or business sites, and any residential properties maintained in condominium and/or common ownership.
- 190 *Irrigation:* The method of supplying plant materials with water other than by natural rainfall.

Landscape/landscaping:

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- (1) When used as a noun, this term shall mean living plant materials such as grasses, groundcover, shrubs, vines, trees or palms and nonliving durable materials commonly used in environmental design such as, but not limited to, walls or fences, aesthetic grading or mounding, but excluding pavers, paving, artificial turf, turf block, rocks and structures.
- (2) When used as a verb, this term shall mean the process of installing or planting materials commonly used in landscaping or environmental design.

Mulch: Organic, arsenic free, material such as wood chips, pine straw or bark placed on the soil to reduce evaporation, prevent soil erosion, control weeds and enrich the soil.

Multi-trunk trees: A tree that has a minimum of three trunks with no more than five trunks of equal diameters originating from the ground and with angles no greater than forty-five (45) degrees. ;b1; NOTE: The town can require either multi-trunk or single trunk on certain trees.

- <u>Microclimate</u> means the climate of a specific area in the landscape that has substantially differing sun exposure, temperature, or wind, than surrounding areas or the area as a whole.
- Microirrigation (low volume) means the application of small quantities of water directly on or below the soil surface, usually as discrete drops, tiny streams, or miniature sprays through emitters placed along the water delivery pipes (laterals). Microirrigation encompasses a number of methods or concepts including drip, subsurface, bubbler, and spray irrigation, previously referred to as trickle irrigation, low volume, or low flow irrigation that deliver water directly to plant root zones with a high degree of efficiency, no runoff, and little to no evaporation.
- 215 <u>Moisture sensing device or soil moisture sensor</u> means a device to indicate soil moisture in the root zone for the purpose of controlling an irrigation system based on the actual needs of the plant.
- Native habitat: An area enhanced or landscaped with an appropriate mix of native tree, shrub and groundcover species that resembles a native plant community in structure and composition or is naturally occurring.

- Native plant community: A natural association of plants dominated by one or more
- prominent native plant species, or a characteristic physical attribute as indicated by the
- Town of Surfside.
- Native plant species: Native plant species shall be those plant species indigenous to the
- ecological communities of South Florida, as indicated on lists provided by Town of
- Surfside, or that can be scientifically documented to be native to South Florida.
- 227 Open space: All pervious landscape planting areas of the site.
- 228 Overall height: The height measured from the ground to the bend of the top most branch of
- the tree. Overall height on palms: the measurement from the ground to the bend of the
- topmost frond.
- 231 *Pervious areas:* Any portion of the ground unobstructed by a non landscape planting surface
- which prevents or slows down the natural seepage of water into the ground.
- 233 Planting soil/topsoil: A medium composed of 50 percent sand and 50 percent muck. Palm
- planting soils shall compose of no more than 80 percent sand and remainder soil consisting
- of muck. It must be clear and free of construction debris, weeds and rocks, with a pH
- 236 between 6.5 and 7.
- 237 Person means any natural person, business, corporation, limited liability company,
- partnership, limited partnership, association, club, organization and/or any group of people
- acting as an organized entity.
- 240 <u>Point of connection (POC)</u> means the location where an irrigation system is connected to a
- 241 <u>water supply.</u>
- 242 *Pop-up sprays* means spray heads that pop up with water pressure and provide a continuous
- spray pattern throughout a given arc of operation.
- 244 Pressure tank means a pressurized holding tank for irrigation water coming from wells to
- 245 minimize cycling of the water pump.
- 246 Pump cycling means irrigation pump coming on and shutting off frequently during operation
- of irrigation systems.
- 248 Prohibited application period means the time period during which application of fertilizer is
- prohibited due to the potential of run-off to negatively impact the environment, including
- 250 <u>tropical storms and hurricane warnings, or for any portion of the Town where heavy rain has</u>
- been forecasted.
- 252 <u>Rain sensor device means</u> a low voltage electrical or mechanical component placed in the
- 253 circuitry of an automatic irrigation system that is designed to turn off a sprinkler controller
- 254 when precipitation has reached a pre-set quantity.
- 255 <u>Runoff means water that is not absorbed by the soil or landscape and flows from the area.</u>
- 256 Redevelopment: Any proposed expansion, addition, or facade change to an existing building,
- structure, or parking facility. Redevelopment may also mean any rebuilding activity which
- has no net increase in built-upon area or which provides equal or greater stormwater control
- 259 than the previous development. Exception to this definition, single family dwelling

- redevelopment would be considered when 75 percent or greater of the existing structure is knocked down.
- 262 Saturated soil means a soil in which the voids are filled with water. Saturation does not
- require flow. For the purposes of this article, soils shall be considered saturated if standing water is present or the pressure of a person standing on the soil causes the release of free
- water.
- 266 <u>Slow-release means nitrogen in a form which delays its availability for vegetative uptake</u>
- and use after application, or which extends its availability to the vegetation longer than a
- reference rapid or quick release product. It includes the terms "controlled release", "timed
- release," "slowly available" and "water insoluble nitrogen."
- 270 Shrub: A self-supporting, woody plant full to the ground with three or more branches
- produced from the ground which could be maintained in a healthy state to the height
- indicated on the landscape plans.
- 273 <u>Soil moisture sensor</u>. See <u>Moisture sensing device</u>.
- 274 <u>Soil texture means the classification of soil based on the percentage of sand, silt, and clay in</u>
- 275 <u>the soil.</u>
- 276 Site-specific plant materials: The use of plant species selected to minimize supplemental
- irrigation, fertilization and pest control.
- 278 Town: The department or division of the Town of Surfside government that the town
- 279 manager has designated to enforce the landscaping requirements of this section.
- 280 Tree: A self-supporting, woody perennial plant, usually with one vertical stem or main
- trunk, which naturally develops a distinct, elevated crown and provides, at maturity, natural
- characteristics of the species.
- 283 (1) *Tree, Dicotyledonous (Dicot)* is a tree having a woody stem and branches and leaves with net venation and having a separate, distinct outer bark which can be peeled from
- the tree.
 - (2) Tree, Monocotyledonous (Monocot) is a palm or a tree having fronds with parallel
 - venation and no true woody bark with a minimum overall natural height of ten feet at maturity.
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Tree abuse:

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- 290 (1) Hat racking, flat-cutting the top of a tree, severing leader or leaders of a tree.
- 291 (2) Pruning that reduces the total height or spread of a tree canopy by more than 30 percent in one year.
 - (3) Cutting upon a tree which destroys its natural habit of growth.
- 294 (4) Pruning that leaves stubs or results in a flush cut or splitting of limb ends.
 - (5) Peeling or stripping of bark or the removal of bark to the extent that if a line is drawn at any height around the circumference of the tree, over one-third of the length of the line falls on portions of the tree where the bark remains.

- 298 (6) The use of climbing spikes, nails or hooks with the exception for the purposed of 299 total tree removal. 300 (7) Pruning that does not conform to the standards set by the American National 301 Standards Institute (ASI A300), as amended, with the exception of palm pruning which shall allow no pruning of fronds above the horizontal plane. 302 303 (8) Using nails or other piercing devices for the purpose of attaching signage or any objects to a tree. 304 305 (9) Girdling of trees by guying, staking, support, string trimmers, or non-removal of 306 planting materials from the root balls. 307 (10)Lawn mower string trimmer or deck damage inflicted on any portion of a tree. 308 Vehicular damage inflicted causing bark removal, tree leaning and/or destruction. (11)309 Also, any damage and/or compaction of the roots by vehicular usage. 310 Structures being placed or constructed within a tree. (12)311 (13)Utilizing any portion of a tree as a fence or similar structural support. 312 The use of oils, chemicals or other materials poured on the roots and/or trees. (14)313 Also, the painting of trees with paint and/or other similar material. 314 *Turf:* The upper layer of soil matted with roots of grass and covered by viable grass blades. 315 Urban landscape means pervious areas on residential, commercial, industrial, institutional, road rights-of-way or other nonagricultural lands that are planted with turf or landscape 316 317 plants. 318 Vegetation: Angiosperms, gymnosperms, ferns and mosses. 319 Vehicular encroachment: Any protrusion of a motor vehicle outside of the boundaries of a 320 vehicular use area into a landscape area. 321 Vehicular use area (VUA): An area used for loading, circulation, access, storage, parking, or display of any type of vehicle, boat, or construction equipment whether self-propelled or 322 323 not. 324 Vine: Any plant with a long, slender stem that trails or creeps on the ground or climbs by 325 winding itself on a support. 326 Xeriscape: A landscaping method that maximizes the conservation of water by use of site-327 appropriate plants and an efficient watering system. 328 Sec. 90-86. - Landscape permit plans. *** 329
- 330 *90-86.3* The irrigation plan shall meet the following requirements:
- 331 (1) The same scale of the site plan, but no smaller than one inch equals 50 feet.
- 332 (2) Location of existing trees, vegetation and native plant communities to remain, if applicable.

335 (4) Location of proposed buildings, paving, site improvements, and water bodies. 336 (5) Main location with sleeves, size and specifications. 337 (6) Valve location, size and specifications. 338 (7) Pump location, size and specifications or water source. 339 (8) Backflow prevention device type and specifications. 340 (9) Controller locations and specifications. 341 (10)Zone layout plan (minimum scale 1'' = 20''): 342 Provide 100 percent coverage and 100 percent overlap. (11)343 (12)Indicating head-type, specifications and spacing. 344 (13)Indicate location and details of rain sensor, second water meter, and rainwater 345 citrons; and Indicating methods used to achieve compliance with xeriscape Florida Friendly 346 (14)principles as required by F. S. § 166.048. 373.228. 347 348 (15) Efficient Irrigation Design. All new irrigation installations shall meet the irrigation 349 standards identified per §373.228, F.S. These include: 350 Irrigation systems, including the use of micro-irrigation as appropriate, shall be designed to meet the needs of the plants in the landscape. 351 352 When feasible, irrigation systems shall be designed to separately serve turf and non-turf areas. 353 354 The irrigation system plans, and specifications shall identify the material to be 355 used and the construction methods. 356 The design shall consider soil, slope and other site characteristics in order to minimize water waste, including overspray, the watering of all impervious 357 358 surfaces and other non-vegetated areas, and off-site runoff. 359 The system shall be designed to minimize free flow conditions in case of 360 damage or other mechanical failure. 6. The system shall be designed to use the lowest quality water feasible. 361 Rain switches or other approved devices, such as soil moisture sensors to 362 prevent unnecessary irrigation, shall be incorporated. (Section 373.62, F.S.) 363 A recommended seasonal operating schedule and average precipitation rate for 364 365 each irrigation zone for both establishment and maintenance conditions shall be provided. 366 367 10. Control systems shall provide the following minimum capabilities: 368 Ability to be programmed in minutes, by day of week, season, time of 369 day,

(3) Location of existing buildings, paving, and site improvements to remain.

370	ii. Ability to accommodate multiple start times and programs,
371	iii. Automatic shut off after adequate rainfall,
372 373	iv. Ability to maintain time during power outages for a minimum of three (3) days, and
374 375	 v. Operational flexibility to meet applicable year-round water conservation requirements and temporary water shortage restrictions.
376	11. Recommended maintenance activities and schedules shall be included.
377 378 379	12. Precipitation rates for sprinklers and all other emitters in the same zone shall be matched, except that micro irrigation emitters may be specified to meet the requirements of individual plants.
380 381	13. Irrigation systems shall be designed to maximize uniformity, considering factors such as:
382	i. Emitter types.
383	ii. Head spacing.
384	iii. Sprinkler pattern.
385	iv. Water pressure at the emitter.
386 387 388 389	14. Irrigation systems with main lines larger than two (2) inches or designed to supply more than seventy (70) gallons per minute shall incorporate a means to measure irrigation water use, at a minimum of ninety-five (95) percent accuracy across the flow range.
390 391 392 393	15. Irrigation system plans and specifications shall require the system installer to conduct final testing and adjustments to achieve design specifications prior to completion of the system and acceptance by the owner or owner's representative.
394 395 396 397	16. The irrigation system shall be designed to correlate to the organization plants into zones as described in section 12-102 above. The water use zones shall be shown in the irrigation plan. All plants (including turf) require watering during establishment. Temporary facilities may be installed to facilitate establishment.
398 399 400 401 402 403	17. Rain shut-off switch equipment shall be required on automatic irrigation systems to avoid irrigation during periods of sufficient soil moisture, in accordance with Florida Law ([Section] 373.62, F.S.). Said equipment shall consist of an automatic mechanical or electronic sensing device or switch that will override the irrigation cycle of the sprinkler system when adequate rainfall has occurred.
404 405	18. The installation of tracer wire along main lines and laterals shall be required to permit easy location and prevent inadvertent cutting of pipes.
406 407 408	19. If the water supply for the irrigation system is from a well, a constant pressure flow control device or pressure tank with adequate capacity shall be required to minimum pump "cycling".

- 409 20. Check valves must be installed at irrigation heads as needed to prevent low 410 head drainage and puddling. 411 21. Nozzle precipitation rates for all heads within each valve circuit must be 412 matched to within twenty (20) percent of one another. 413 A pressure-regulating valve shall be installed and maintained if static service 414 pressure exceeds eighty (80) pounds per square inch. The pressure regulating 415 valve shall be located between the meter and the first point of division in the 416 pipe and set at a not more than fifty (50) pounds per square inch when 417 measured at the most elevated fixture in the structure served. This requirement may be waived if satisfactory evidence is provided that high pressure is 418 419 necessary in the design and that no water will be wasted as a result of high-420 pressure operation. 421 23. To assist the end user to operate the system property, in addition to the 422 minimum requirements of [Section] 373.228, F.S., the following are 423 encouraged to be provided to the owner at the time of installation. The map 424 shall be attached inside each irrigation controller or be kept in another readily available location if it is not practical to insert into a small container. 425 1. Irrigation schedule information, with instructions for seasonal timer 426 427 and sensor changes; 428 2. Irrigation system plans and specifications including as-constructed 429 drawings, recommended maintenance activities and schedules; 430 Operations schedules, design precipitation rates, and instructions on 431 adjusting the systems to apply less water after the landscape is established; 432 433 4. Maintenance schedule, water source, water shut-off method, and the manufacturing operational guide for their irrigation controller; 434 435 To the extent feasible, similar information should be made available for subsequent property transfers. 436 437 Reduced-pressure-principle backflow preventers shall be recertified 24.
 - Sec. 90-87. Installation of landscaping and irrigation.

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All landscaping and irrigation shall be installed according to accepted horticultural planting procedures with the quality of plant materials as hereinafter described, including:

(1) Planting soil/topsoil shall be of the minimum quality as specified in the plant materials section of this Code. All trees, palms, shrubs, and ground covers shall be planted with a minimum of 12 inches or two times the root ball of planting soil around root ball. A minimum of three inches of shredded, approved arsenic free, organic mulch or groundcover shall be installed around each tree planting for a minimum of 18 inches beyond its trunk in all directions, including palms, and throughout all hedge, shrub, and groundcover planting. The use of mulch obtained from Melaleuca, Eucalyptus, or other

- invasive plant species is encouraged in order to reduce their impact on the environment and to preserve the remaining native plant communities.
 - (2) All trees/palms shall be properly guyed and staked at the time of planting until one year from landscape final or establishment. The use of nails, wire or rope, or any other method which damages the trees or palm, is prohibited. All plants shall be installed so that the top of the root ball remains even with the soil grade or ten percent or the root flare is visible above the surrounding grade. All synthetic string, synthetic burlap, cords, or wire baskets shall be removed before planting. 90-87(3)
 - (3) All parking islands, medians, and other landscape areas shall be installed with continuous Type "D" curbing to prevent damage to the plant material and the displacement of topsoil and mulch. Also, all landscape islands, divider medians, and planters shall be excavated of limerock and/or compacted soil to a depth of 30 inches and backfilled with specified planting mix to the top of curb. Additionally, all areas along buildings shall be excavated to a depth of 12 inches and backfilled with specified planting mix. No mulch shall be permitted in adjacent swales or right-of-way.
 - (4) Reserved.

- (5) All proposed multi-trunk trees shall have a minimum of three trunks with no more than five trunks of equal diameters originating from the base of the tree and with angles no greater than forty-five (45) degrees.
 - *NOTE*: The town can require either multi-trunk or single trunk on certain trees.
- (6) All proposed trees and palms shall not be planted under roof over hangs or balconies.
- (7) All proposed trees and palms within or overhanging pedestrian areas shall have a clear trunk high enough to allow unobstructed pedestrian movement under or around.
- (8) All proposed landscaping shall be installed with fertilizer which has trace minor elements in addition to a minimum six percent Nitrogen (N) six percent Phosphorus (P) six percent Potassium (K) of which 50 percent of the nitrogen must be derived from an organic source. Reserved.
- (9) All proposed tot lots or pools shall be required to have a minimum shade requirement to allow persons to seek refuge from the sun.
- (10) Salt tolerant plant species are encouraged in all areas of the town.
- (11) The concepts of Green Building Design and LEED are encouraged to help reduce water consumption, decrease fossil fuel burning, channel breezes, assist in cooling, create more pervious areas for drainage and promote more environmentally conscious.
- (12) All plant root ball sizes shall conform or exceeded the minimum standards in the current edition of Florida Grades and Standards.
- (13) All landscape areas with the exception of H30A, H30B and H30C (for single family and two family only) shall be provided with an automatically operating, underground, and rust free irrigation system designed to have 100 percent coverage with 100 percent overlap. Drip, trickle or other low-volume irrigations systems shall be permitted if designated on approved landscape plans and approved by the town.

489 Irrigation systems shall be designed to minimize application of water to impervious 490 areas. All PVC risers shall be painted flat black. 491 Pursuant to F.S. § 373.62, any irrigation system installed after May 1, 1991, 492 shall install a rain sensor device or switch which will override the irrigation cycle of the sprinkler system when adequate rainfall has occurred. 493 494 b. Use of non-potable water, including, but not limited to, water from a canal, lake or a treated water source, in the irrigation of landscaped areas is required 495 when determined to be available and safe. 496 497 Automatic controlling devices shall be used on all irrigation systems. 498 Preserved native habitats or native plant communities shall not be 499 irrigated unless required by the town. 500 ii. Recommend the use of a second water meter for irrigation to help 501 reduce the cost of the watering the landscape. 502 *NOTE:* The sewer usage cost is eliminated with this added meter. 503 iii. Encourage the use of rainwater cisterns to help save water, one of our 504 greatest natural resources. Also, rainwater cisterns will help on 505 reducing watering costs and the impacts of water restrictions on the landscaping. Cisterns shall be provided below grade and are permitted 506 507 in all zoning districts. 508 (14)Inspections of sites for landscape and irrigation installation: 509 A pre-inspection of the site with the landscape and irrigation contractor will be 510 required to discuss all the town requirements, answer any questions and determine site conditions for appropriate use and selection of landscape 511 material prior to installation. 512 513 A final landscape and irrigation inspection will be required upon completion. 514 Sec. 90-88. - Maintenance of landscaped areas. 515 (1) An owner of land subject to this Code shall be responsible for the maintenance of said land and landscaping so as to present a healthy, vigorous and neat appearance free from refuse 516 517 and debris. All landscaped areas shall be sufficiently fertilized and irrigated to maintain the 518 plant material in a healthy and viable condition. 519 NOTE: All fertilizer shall be safe and environmentally friendly. Also, the applications shall 520 conform to the manufacturer's specifications. 521 (2) Florida Friendly Fertilizer Use To regulate the proper use of fertilizers by any person who 522 applies fertilizer on turf and/or landscape or plants; requires proper training of commercial 523 and institutional fertilizer applicators; establishes training and licensing requirements; 524 establishes a prohibited application period; specifies allowable application fertilizer 525 application rates and methods, fertilizer-free and low maintenance zones, and exceptions. It 526 requires the use of Best Management Practices for the application of fertilizer to minimize negative environmental effects associated with excessive nutrients in water bodies. These environmental effects have been observed in Dade County's natural and constructed stormwater conveyances, canals, lakes, estuaries and other water bodies. Collectively, these water bodies are an important asset to the environmental, recreational, cultural and economic well-being of Town of Surfside residents and their public health. Overgrowth of algae and vegetation hinder the effectiveness of flood attenuation provided by natural and constructed stormwater conveyances. Regulation of nutrients, including both phosphorus and nitrogen contained in fertilizer, is anticipated to help improve and maintain water and habitat quality.

Timing of fertilizer applications.

- (1) No applicator shall apply fertilizers containing nitrogen and/or phosphorus to turf and/or landscape plants during the time period in which a flood watch or warning, a tropical storm watch or warning, or a hurricane watch or warning is in effect for any portion of Town of Surfside, issued by the National Weather Service.
- (2) No applicator shall apply fertilizers containing nitrogen and/or phosphorus to turf and/or landscape plants if heavy rain two inches or more within a 24-hour period is likely.
- (3) No applicator shall apply fertilizers containing nitrogen and/or phosphorus to saturated soils.
- (4) Fertilizer containing nitrogen and/or phosphorus shall not be applied before seeding or sodding a site and shall not be applied for the first 30 days after seeding or sodding, except when hydro-seeding for temporary or permanent erosion control in an emergency situation (wildfire, etc), or in accordance with the stormwater pollution prevent plan for the site.

Fertilizer free zones.

Fertilizer shall not be applied within ten feet of any water body or canal as defined by the Florida Department of Environmental Protection in Chapter 62-340, Florida Administrative Code, or from the top of a seawall or lake bulkhead. Newly planted turf or landscape plants may be fertilized in this zone only for a 60-day period beginning no sooner than 30 days after planting if needed to allow the vegetation to become well established. Caution shall be used to prevent direct deposition of fertilizer into the water.

Fertilizer content and application rates.

- (1) Fertilizers applied to turf shall be applied in accordance with requirements and directions provided by Rule 5E-1.003(2), Florida Administrative Code, Labeling Requirements for Urban Turf Fertilizers. Under Rule 5E-1.003(2), Florida Administrative Code, required application rate and frequency maximums, which vary by plant and turf types, are found on the labeled fertilizer bag or container.
- (2) Nitrogen or phosphorus fertilizer shall not be applied to turf or landscape plants except as provided in subsection (1) above for turf, or in UF/IFAS recommendations

- for landscape plants, vegetable gardens, and fruit trees and shrubs, unless a soil or tissue deficiency has been verified by an approved test.
 - (3) Fertilizer used for sports turf at golf courses shall be applied in accordance with the recommendations in "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses," published by the Florida Department of Environmental Protection, dated January 2007, as may be amended. Fertilizer used at park or athletic fields shall be applied in accordance with Rule 5E-1.003(2), Florida Administrative Code.

Fertilizer application practices.

- (1) Spreader deflector shields shall be used when fertilizing via rotary (broadcast) spreaders. Deflectors must be positioned such that fertilizer granules are deflected away from all impervious surfaces, fertilizer-free zones and water bodies, including wetlands. Any fertilizer applied, spilled or deposited, either intentionally or accidentally, on any impervious surface shall be immediately and completely removed to the greatest extent practicable.
- (2) Fertilizer released on an impervious surface must be immediately contained and either legally applied to turf or any other legal site or returned to the original or other appropriate container.
- (3) In no case shall fertilizer be washed, swept, or blown off impervious surfaces into stormwater drains, ditches, conveyances, or water bodies.
- (4) Property owners and managers are encouraged to use an Integrated Pest Management (IPM) strategy as currently recommended by the University of Florida Cooperative Extension Service publications.

Training.

- (1) All commercial and institutional applicators of fertilizer shall abide by and successfully complete the six-hour training program in the "Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries" offered by the Florida Department of Environmental Protection through the University of Florida/Broward County Cooperative Extension Service "Florida-Friendly Landscapes" program or an approved equivalent program. A trained applicator shall have identification or other evidence of successful completion of the training program on their person at all times while applying fertilizer.
- (2) Non-commercial and non-institutional applicators not otherwise required to be certified, such as private citizens on their own residential property, are encouraged to follow the recommendations of the University of Florida/IFAS "Florida-Friendly Landscape Program" and label instructions when applying fertilizers.

Licensing of commercial applicators.

(1) All businesses applying fertilizer to turf or landscape plants (including, but not limited to, residential lawns, golf courses, commercial properties, multi-family and condominium properties) must ensure that the business owner or his/her designee

- 606 and at least (1) employee holds the appropriate "Florida-Friendly Best Management 607 Practices for Protection of Water Resources by the Green Industries" training certificate prior to the business owner obtaining a Town business tax receipt. 608 609 Standard business tax receipt (BTR) and transaction fees shall apply. Owners for any category of occupation which may apply any fertilizer to Turf and/or Landscape 610 611 Plants shall provide proof of completion of the program to the Town of Surfside. It is 612 the responsibility of the business owner to maintain the "Florida-Friendly Best 613 Management Practices for Protection of Water Resources by the Green Industries" 614 certificate to receive their business tax receipt annually.
 - (2) After adoption of this ordinance, all commercial applicators of fertilizer within the Town of Surfside, shall have and carry in their possession at all times when applying fertilizer, evidence of certification by the Florida Department of Agriculture and Consumer Services as a Commercial Fertilizer Applicator per Rule 5E-14.117(18), Florida Administrative Code.

620 (3) Pesticide Management.

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- 1. All landscape applications of pesticides, including "Weed and Feed" products, for hire shall be made in accordance with State and Federal Law and with the most current version of the Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries, as amended.
- 2. When using pesticides, all label instructions of State and Federal law shall be adhered to. The Florida Department of Agriculture and Consumer Services is responsible for enforcement of pesticide laws.
- (4) Management of grass clippings and vegetative matter.
- In no case shall grass clippings, vegetative material, and/or vegetative debris intentionally be washed, swept or blown on to or into storm-water drains, ditches, conveyances, water bodies, wetlands, sidewalks or roadways. Any material that is accidently so deposited shall be immediately removed to the maximum extent practicable.
- 633 (2) (5) Three inches of clean, weed-free, arsenic free, organic mulch shall be maintained over all areas originally mulched at all times. Turfgrass shall be kept trimmed and/or mowed regularly to a height not exceeding eight inches above the ground. The use of mulch in swales or right-of-way is prohibited.
- 637 *NOTE:* If weeds, noxious grasses or underbrush are in excess of the eight inches; it too will need to be cut and the weeds, noxious grasses and underbrush removed and re-sodded if necessary.
- 640 (3) (6) Irrigation systems shall be maintained to eliminate water loss due to damaged, missing or improperly operating sprinkler heads, emitters, pipes and all other portions of the irrigation system.
- 643 (4) (7) Preserved and created native plant communities shall be maintained in a natural state without the use of mechanical equipment.
- 645 (5) (8) An owner is responsible to ensure that landscaping that has been required to be planted pursuant to this Code, or installed in compliance with the landscape requirements previously

- in effect, be maintained in Florida Grade One condition, including but not limited to single-family residences, multifamily, or business sites. If landscaping is found to be in a state of decline, dead, damaged, or missing, it must be replaced with equivalent landscape material. If total replacement is required, species conforming to this Code shall be used. If any preserved vegetation dies which is being used to satisfy current landscape code requirements, such vegetation shall be replaced with the same landscape material selected from nursery-grown native stock only.
- 654 (6) (9) All trees shall be trimmed in accordance to Miami-Dade County tree preservation code.
 655 Any type of tree abuse/hatracking is prohibited with in the Town.
 - (7) (10) Any trees and/or palms that are diseased (including dead palms with lethal yellowing) or trees and/or palms causing a possible safety hazard as determined by the town are considered to be a public nuisance. The town shall enforce the provisions of this section. Any property owner of any lot or parcel of land in the town shall promptly remove any such tree and/or palm after being notified by the town. The town is authorized and empowered to enter on any lot or parcel of land in the town at any reasonable hour for the purpose of inspecting such trees and/or palms.
 - (8) (11) Shrubs and hedges shall be maintained that such plant materials do not obstruct clear sight triangles and promote vehicular and pedestrian visibility. Also, hedges planted along property lines shall be maintained and trimmed to prevent branches from extending over and/or touching structures on adjacent properties.
- 667 (9) (12) Any plastic or similar artificial landscape materials shall be prohibited with the exception of seasonal holiday decorative displays of less than 60 days duration.
- 669 (10) (13) All property owners shall keep such property and the adjoining unpaved portions of the public rights-of-way, swales and bulkheads clean and free from any accumulation of garbage, trash, liter or debris.
- 672 (11) (14) All property owners with in the town shall not permit unattended vegetation upon the property, adjoining portions of the rights-of-ways, swales and canal banks.
- 674 (12) (15) All non-compliance with section of the ordinance shall be enforced in accordance with the Town's Code Enforcement Rules and Regulations.

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Sec. 90-90. - Vegetative provisions.

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90-90-1 Xeriscape Florida Friendly.

- (1) A minimum of 20 percent of the pervious area on single family and duplex dwellings must be in xeriscape Florida Friendly landscape.
- (2) A minimum of 40 percent of the pervious area of multifamily dwellings must be xeriscape Florida Friendly landscape.
- (3) A minimum of 50 percent of the pervious area of all other development uses must be in xeriscape Florida Friendly landscape.

90-90.2 Use of site specific plant material:

686 Plants used in the landscape design shall be to the greatest extent, appropriate to the soil and other environmental conditions in which they are planted.

90-90.3 Invasive exotic plant material:

As a condition of approval, the property owner shall remove all invasive exotic species from the property prior to final.

Sec. 90-91. - Landscape buffer areas between residential and non-residential properties and vehicular use areas.

90-91.1 Applicability:

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All proposed development or redevelopment sites and vehicular use areas serving H30C, H40, H120, or municipal uses shall conform to the minimum landscaping requirements hereinafter provided. Interior parking landscape requirements under or within buildings and parking areas serving H30A and H30B districts are exempt. Additionally, SD-B40 shall be exempt. Expansive concrete or paver areas shall require landscaping to soften and scale the buildings.

90-91.2 Required buffer landscaping adjacent to streets and abutting properties:

On any proposed, redeveloped site, or open lot providing a vehicular use area for H30C, H40, H120, adjacent or contiguous to H40, or municipal plots where such area is abutting street(s) and/or property lines, including dedicated alleys, landscaping shall be provided between such area and such perimeters as follows:

- (1) A flat ground level or bermed strip of land at least ten feet in depth, located along all the property lines of abutting street(s) and abutting property line(s) shall be landscaped. Such landscaping shall include three trees for each 50 linear feet or fraction thereof. The first tree shall be set back from the intersection of the ingress/egress and the street. The setback area shall be limited to groundcover only. In addition, a hedge, berm, wall or other durable landscape barrier shall not create a sight hazard by being placed along the inside perimeter of such landscape strip and shall be maintained at a maximum height of three feet, if contiguous to a pedestrian walkway, to meet crime prevention through environmental design (CPTED) principles. If such durable barriers including walls or fences are of nonliving material, it shall be screened to the height of the durable barrier with a hedge along the street side of such barrier. If a fence or wall is utilized along an abutting property line it must be installed at the property line and screened to the height of the durable barrier with a hedge from the inside. The remainder of the required landscape area shall be landscaped with turf grass, groundcover or other landscape treatment, excluding paving, turf grass not to exceed the maximum amount allowable in the xeriscape Florida Friendly requirements. This buffer may not be counted toward meeting the interior landscape requirements.
- (2) All property other than the required landscaped strip lying between the streets and abutting property lines shall be landscaped with turf grass or other groundcover; if turf grass is used, it shall not exceed the xeriscape Florida Friendly requirements.
- (3) All town approved necessary accessways from the public street through all such landscaping shall be permitted to service the site.

- (4) Parking area interior landscaping. An area, or a combination of areas, equal to 20 percent of the total vehicular use area exclusive of perimeter landscape buffers required under this subsection shall be devoted to interior landscaping. Any perimeter landscaping provided in excess of that required by this section shall be counted as part of the interior landscaping requirements, as long as such landscaping is contiguous to the vehicular use area and fulfills the objective of this subsection.
- (5) All parking areas shall be so arranged so that if there are ten or less contiguous parking stalls along the same parking aisle, the eleventh space shall be a landscaped peninsula a minimum of 11 feet in width with a minimum of ten feet wide landscape area. Also, all rows of parking shall be terminated with 11 feet in width landscape islands with ten feet wide landscape area. In addition, there shall be a minimum requirement of one shade tree and 25 shrubs planted for every landscaped island. If landscaped divider medians are utilized, they must be a minimum of six feet wide. The minimum dimensions of all proposed landscaped areas not mentioned in this chapter shall be six feet wide. In addition, any town approved grass parking areas will meet the same requirements as paved parking and will not be calculated in the pervious space requirements.
- (6) Landscaped areas, walls, structures and walks shall require protection from vehicular encroachment through appropriate wheel stops or curbs located a minimum of 2½ feet from any landscaped area
 - *NOTE:* The town encourages the use of Type "D" curbing in parking area that abut landscape areas to provide more green area and lessen the chance of tripping hazards. This cannot be utilized to count for buffer or divider median requirements but can be utilized for pervious and landscaping in the VUA percentages.
- (7) Where any plot zoned or used for H120 is contiguous to the bulkhead line, a landscape area consisting of the bulkhead line, the erosion control line, and the property lines shall be provided or restored. The proposed landscape material for the required landscape area shall be 100 percent landscape material used on the barrier island dune system and shall be composed of native plants adapted to the soil and climatic conditions occurring on-site. Additionally, all plant species, amount of plant material, plant spacing and design shall be approved by the town.
- Sec. 90-92. Reserved.

- **Sec. 90-93. Open space.**
- All open space on any site shall conform to the following requirements:
 - (1) *General landscape treatment:*
 - a. Groundcover, shrubs, and other landscape materials (not including rocks, gravel, pavers, turf blocks, artificial turf, or other items) shall be installed to cover all open space areas not covered by paving or structures, using the required percentages specified in the plant material section. No substance including rocks, gravel, pavers, turf blocks, artificial turf or other materials which prevents water percolation shall be used in areas not approved for

- paving or structures. Proper horticultural planting practices shall comply with xeriscape Florida Friendly requirements.
- b. Along all buildings and structures, mature landscaping at installation shall be installed at one-half the height of the building or structure at one tree per 25 linear feet of each building's facade on all sides for scaling and softening. On buildings over 75 feet in height the proposed trees/palms shall be at least 35 to 38 feet tall at time of installation.

NOTE: If the landscape buffer is contiguous to the building then the landscape buffer requirement will supersede, with the exception of one tree per 25 feet being one-half the height of the building at installation. Additionally, shrubs and groundcovers shall be added to enhance the building. In all districts except the SD-B40 district, a minimum six-foot-wide landscape strip shall be provided not including overhands or awnings around all the buildings.

(2) *Shrub and tree requirements:* Shrubs and trees shall be planted in the open spaces to meet the following requirements:

Percent of Site in Open Space (Amount of Pervious Landscape Planting Area)	Tree and Shrub Requirements
Less than 30%	1 tree and 10 shrubs per 1,000 sf
30—39%	1 tree and 8 shrubs per 1,500 sf
40—49%	1 tree and 6 shrubs per 2,000 sf
50% or more	1 tree and 6 shrubs per 2,500 sf

- (3) *Screening of equipment:* Dumpsters, mechanical equipment, A/C units, electrical transformers, generators and all above ground equipment shall be screened on at least three sides by landscape material that equal to the height of the element at installation. Such screening shall not interfere with normal operation of equipment and shall be maintained at the height of the element or no more than one foot above. In addition, bus shelters which are located within property lines shall be screened with plant material a minimum of two feet in height on three sides, and one canopy tree, 14 feet in height or three palms.
- (4) *Signs:* All freestanding sign installations require the installation and establishment of plant material to enhance the structure, at a minimum of one shrub for every two feet of lineal width of the sign structure on each side; and groundcover, a minimum of

five feet around the perimeter of the sign base, designed in such a manner so as to not block the message on the sign. Trees or palms shall be required to enhance the sign with blocking it.

(5) Minimum landscape credits and adjustments: An owner shall receive credit against the minimum landscape code requirements of this Code for preservation, replacement or relocation of existing trees as determined by the town.

Sec. 90-95. - Single-family H30A and H30B district landscape requirements.

All new H30A and H30B dwellings shall conform to the following minimum landscaping requirements:

- (1) Landscape plans: H30A and H30B dwellings may submit landscape plans in the form of a H30A and H30B landscape data table, on a form provided by the town at time of permit application for review. This form shall include the required minimum landscape requirements, specifications and acceptable plant material choices to be chosen by the applicant. After the applicant has submitted a completed and signed form, a review of the form will be done to verify that all the requirements have been met. Landscape drawings are not required for H30A and H30B dwellings, however, plans are recommended.
- (2) General landscape treatment: Trees, turf grass, groundcover, shrubs and other decorative landscape material shall be used to cover all disturbed ground not covered by building and paving; with xeriscape Florida Friendly to be a minimum of 20 percent of the open space of the site.
- (3) *Shrub and tree requirements:*
 - a. A minimum of five trees of two different species and 25 shrubs shall be planted per lot. On corner lots an additional one tree and 10 shrubs shall be required. For all lots larger than 8,000 square feet in area, additional shrubs and trees shall be provided at the rate of one tree and ten shrubs per 2,000 square feet of lot area; however, there shall be no more than 15 trees and 100 shrubs required per acre.
 - b. Where possible, a minimum of two trees shall be required in the front of the lot. Shrubs shall be incorporated in a manner on the site so as to be a visual screen for mechanical equipment or other accessories to the residence.
 - c. The required shade tree in this subsection shall be a minimum of 30 percent at an overall height of 12 feet to 14 feet with a minimum canopy spread of five feet and a DBH of 2½ inches. The small trees can be a maximum of 30 percent at 12 to 14 feet and minimum canopy spread of six feet and DBH of 2½ inches. Palm trees shall have a minimum of six feet of grey wood or clear wood and are counted as three for one (unless from the one for one list) and total palms can not make up more than 40 percent of the total trees.
 - d. Street trees are required and additional to this subsection. Refer to plant material section for street tree requirements.

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837	***
838 839 840 841 842	Section 3. Codification. It is the intent of the Town Commission that the provisions of this ordinance shall become and be made a part of the Town's Code of Ordinances, and that the sections of this Ordinance may be renumbered or relettered, and the word "ordinance" may be changed to "section," "article," "regulation," or such other appropriate word or phrase in order to accomplish such intentions.
843 844 845 846 847 848	Section 4. Severability. The provisions of this Ordinance are declared to be severable and if any section, sentence, clause or phrase of this Ordinance shall for any reason be held to be invalid or unconstitutional, such decision shall not affect the validity of the remaining sections, sentences, clauses, and phrases of this Ordinance but they shall remain in effect, it being the legislative intent that this Ordinance shall stand notwithstanding the invalidity of any part.
849 850	<u>Section 5.</u> <u>Conflicts.</u> All ordinances or parts of ordinances, resolutions or parts of resolutions, in conflict herewith, are repealed to the extent of such conflict.
851 852	Section 6. Effective Date. This Ordinance shall become effective immediately upon final adoption on second reading.
853	
854	[THIS SPACE INTENTIONALLY LEFT BLANK]
855	

Ó	PASSED on first reading on the	day of	, 2019.	
,	PASSED AND ADOPTED on	second reading on the _ day of		, 2019.
3	On Final Reading M	Moved By:		
)	On Final Reading Second By:			
)	FINAL VOTE ON ADOPTION			
	Commissioner Barry Cohen			
2	Commissioner Michael Karukin			
3	Commissioner Tina Paul			
ļ	Vice Mayor Daniel Gielchinsky			
	Mayor Daniel Dietch	. <u></u>		
	•			
3				
		Daniel Dietch		
	A PRINTS CITY	Mayor		
	ATTEST:			
	Sandra Novoa, MMC			
	Town Clerk			
3	APPROVED AS TO FORM AND			
)	AND BENEFIT OF THE TOWN	OF SURFSIDE ONLY:		
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,				
	Weiss Serota Helfman Cole & Bierr	nan, P.L.		
Ļ	Town Attorney	•		



MEMORANDUM

To: Planning and Zoning Board

From: Sarah Sinatra Gould, AICP, Town Planner

Agenda Date: May 23, 2018

Subject: Freeboard, Base Flood Elevation and Finished Floor Elevation

At the March 28, 2019 Planning and Zoning Board (Board) meeting, staff presented graphics detailing the Base Flood Elevation (BFE), Finished Floor Elevation (FFE) and its relationship to mean sea level. Also depicted were the projected storm surge forecasts of the last two major storm events (Irma and Matthew) to show what the potential storm surge could have been if either storm had a direct impact to the Town. Discussion regarding these graphics led to the Board requesting additional information. At the April 30, 2019 Planning and Zoning Board meeting, the Board requested additional graphics depicting the projected storm surge of these two storm events. These graphics are included as Attachment 1.

Staff has also included the prior graphic demonstrating that under the current code, an elevated option is permitted without a change to the code. This would provide approximately 10 feet of elevation before the first habitable floor. A two story home could be constructed within this concept, although it would consist of lower ceilings and a pitched roof. This graphic is included as Attachment 2.

Also, a graphic has been prepared to demonstrate a storm hardening option rather than increasing freeboard. The storm hardening option would keep the freeboard at two feet and would provide for hardening for flood. This option does not require any adjustments to the Code and homeowners can utilize these features now by simply applying for permitting. However, the Board could consider requiring this flood hardening option to encourage a longer lifespan of new structures. This graphic is included as Attachment 3.

Staff is requesting direction by the Board on the following options:

Option 1: To explore a referendum to increase height to accommodate additional freeboard. If so, workshops will be scheduled.

Option 2: To provide further details on the storm hardening option. If this is the direction, Staff suggests a possible code amendment requiring the storm hardening on new construction, including the modifications as described in Attachments 2 & 3.

Reviewed by: GO Prepared by: SSG

30 FEET 22 ဂ္ဂ 15 1st Floor elevation +10.00' (FEMA + 2) NEW CONSTRUCTION BUILT TO FEMA +2 NO CHANGE IN ZONING 50' **New construction** ,,6-,6 ,,6<mark>'</u>-,6</mark> **House C** $oldsymbol{\Omega}$ 1st Floor elevation +9.00' (FEMA + 1) NEW CONSTRUCTION BUILT TO FEMA +1 NO CHANGE IN ZONING 50' **New construction** 10,-3,, ε<mark>|</mark>-'01 **House B House A**Typical one-story "legacy" house 1st Floor elevation +6.00' (18" above crown of road) \triangleleft **FEMA Flood Elevation** TYPICAL "LEGACY" HOUSE 20 +8.00 __+11.00_MATTHEM +4.50 CROWN C _+15.00 IRMA +8.00 FEMA SEA LEVE +45.00 +15.00 +10.00 +40.00 +35.00 +30.00 +20.00 +5.00 +25.00 0.00 NGVD

30 FEET 22 ဂ္ဂ 15 1st Floor elevation +10.00' (FEMA + 2) NEW CONSTRUCTION BUILT TO FEMA +2 NO CHANGE IN ZONING 50' **New construction** ,,6-,6 House C ..6-.6 $oldsymbol{\Omega}$ 1st Floor elevation +9.00' (FEMA + 1) NEW CONSTRUCTION BUILT TO FEMA +1 NO CHANGE IN ZONING 50' New construction 10,-3,, **House B** ε JOI **House A**Typical one-story "legacy" house 1st Floor elevation +6.00' (18" above crown of road) 4 orecast TYPICAL "LEGACY" HOUSE **Hurricane Irma f** 20 +15.00 -+11.00 MATTHEM +4.50 CROWN C+2.50 +15.00 IRMA +8.00 FEMA SEA LEVE +45.00 +15.00 +40.00 +30.00 +20.00 +10.00 +5.00 +35.00 +25.00 0.00 NGVD

30 FEET 22 ဂ္ဂ 15 1st Floor elevation +10.00' (FEMA + 2) NEW CONSTRUCTION BUILT TO FEMA +2 NO CHANGE IN ZONING 50' New construction ,,6-,6 ,,6<mark>-</mark>,6 House C $\mathbf{\Omega}$ 1st Floor elevation +9.00' (FEMA + 1) NEW CONSTRUCTION BUILT TO FEMA +1 NO CHANGE IN ZONING 50' New construction 10,-3,, ε<mark>|</mark>-'01 **House B House A**Typical one-story "legacy" house 1st Floor elevation +6.00' (18" above crown of road) 4 **Hurricane Matthew forecast** TYPICAL "LEGACY" HOUSE 20 +11.00 +11.00 MATTHEM +4.50 CROWN C +15.00 IRMA +8.00 FEMA SEA LEVE +15.00 +45.00 +40.00 +30.00 +20.00 +10.00 +5.00 +35.00 +25.00 0.00 NGVD

30 FEET 22 ဂ္ဂ 15 1st Floor elevation +10.00' (FEMA + 2) NEW CONSTRUCTION BUILT TO FEMA +2 NO CHANGE IN ZONING 50' **New construction** ,,6-,6 **House C** ,,6<u>;</u>-,6 $oldsymbol{\Omega}$ 1st Floor elevation +9.00' (FEMA + 1) NEW CONSTRUCTION BUILT TO FEMA +1 NO CHANGE IN ZONING 50' **New construction** 10,-3,, ε<mark>|</mark>-'01 **House B House A**Typical one-story "legacy" house 1st Floor elevation +6.00' (18" above crown of road) \triangleleft TYPICAL "LEGACY" HOUSE No Flood Condition 20 __+11.00_MATTHEM +4.50 CROWN _+8.00 FEMA __+15.00_IRMA SEA LEVE +45.00 +15.00 +10.00 +40.00 +35.00 +30.00 +20.00 +5.00 +25.00 0.00 NGVD



