



Town of Surfside

ITB 2025-03

Dune Restoration Project

Addendum No. 2

Date Issued: November 21, 2025

To All Bidders:

This Addendum modifies and becomes a part of Invitation to Bid (ITB) No. 2025-03. All bidders must acknowledge receipt of this Addendum.

The following responses, clarifications, and changes are hereby made to the ITB:

- The deadline to submit sealed bids is extended from Monday, November 24th, 2025, at 2:00 PM to **Wednesday, November 26, 2025, at 11:00 AM.**
- The public bid opening will occur on **Wednesday, November 26, 2025, at 11:00 AM.**

In response to the questions received below are the responses provided:

1. Due to the increase of the fill sand from 7,285 cy to 11,500 cy and the Surfside mix from 1,030 cy to 5,500 cy ; the Sand Barrier furnishing , what is the engineers Estimate?

Response: An updated engineer's estimate has been provided as part of this addendum.

2. Due to the increase of the Sand quantities what's the current budget for the Project

Response: An updated engineer's estimate has been provided as part of this addendum.

3. Is there a specification for the sand barrier?

Response: Sand barrier to be landscape edging. Please see updated plan sheet C204 for detail.

4. Bid item 1 asks for labor, material and equipment including compacting sand and bid items 2 and 3 require the same.

Response: Please find the updated bid worksheet as part of this addendum.

5. Could you please identify the point of entry and staging area?

Response: It is the Contractors responsibility to identify staging area as part of this contract. Access to the project area is available via multiple public roadways that are adjacent to the project area.

6. Can the grain size be increased to. 0.60 or 0.65 ,. The small increase in mean grain size is not noticeable while walking on the beach. However, studies show a larger mean grain size reduces beach erosion.

Response: No, the grain size needs to meet the JCP documents which are specific on the upland sources. The accepted fill material needs to have a mean grain size of 0.3 to 0.55 per the approved Quality Control Plan.

7. Confirm post size Drawings page C204: 2"x2" post, Existing conditions 4"x4" post

Response: Post to be 4x4. Please see updated sheet C204 for revised detail.

8. Confirm post cap: Not included in drawings. Existing conditions 4"x4" pyramid copper post cap.

Response: Post cap to match existing 4x4 pyramid copper post cap. Please see updated sheet C204 for revised detail.

9. Confirm distance between posts. Bid information require every 7'. Existing conditions between 10' to 11' separation between post.

Response: Post spacing to be 10' (7' minimum per FDEP CCCL Post and Rope Guidelines).

10. Post foundation: Not included in drawing.

Response: Post to be embedded 4'. Please see updated sheet C204 for revised detail.

11. The existing posts have small lights at their base. These lights are not specified in the bid form. Should they remain? If the lights are not functioning, how should the contractor proceed? Will the specifications include direction for labor to remove and reinstall the existing lights, as well as a cost to replace missing lights with similar fixtures?

Response: New lighting is not required as part of the project.

12. Confirm mats specification, Brand and Color.

Response: Please see updated bid worksheet for mat specification. Color to be determined via shop drawing review prior to procurement of the mat.

13. Benches specifications: Drawing page L203 shows WAUSAU MODEL TF5116. Confirm color (include in proposal is standard colors, WEATHERSTONE. Others are available with extra fee)

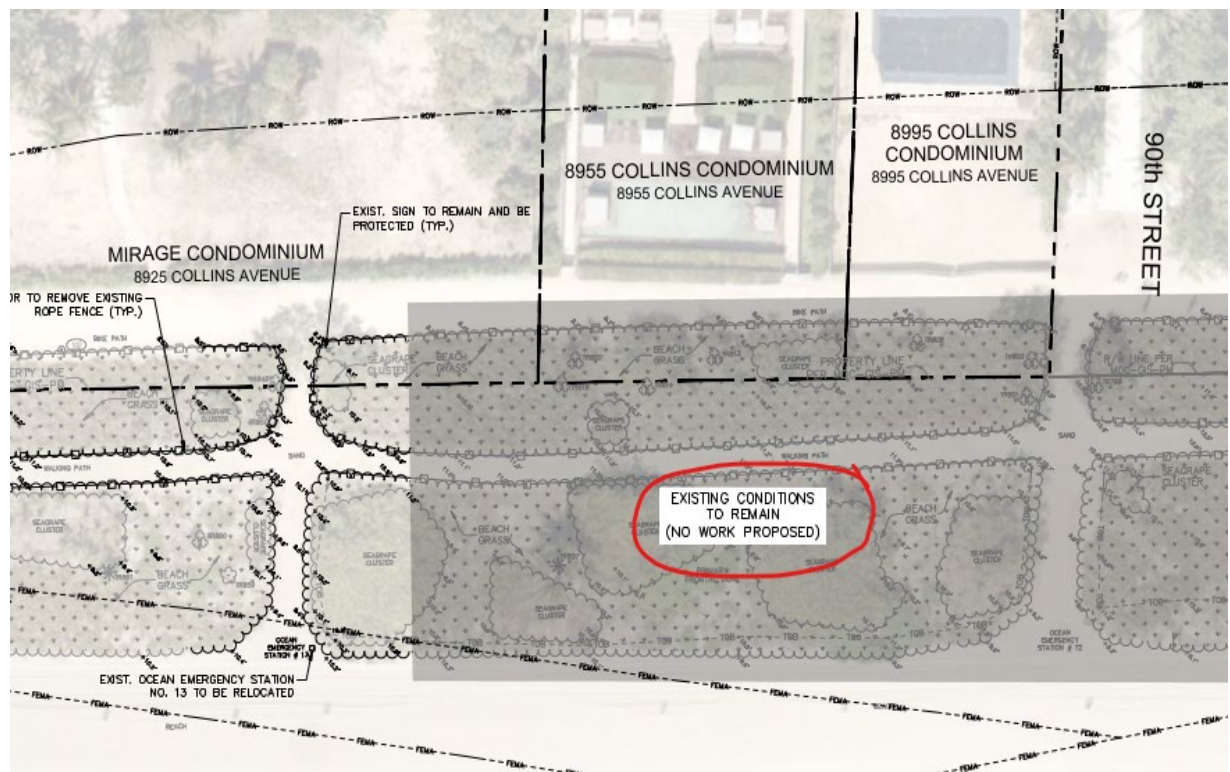
Response: Color to be determined via shop drawing review prior to procurement of the benches. Bidders to include standard colors for pricing purposes.

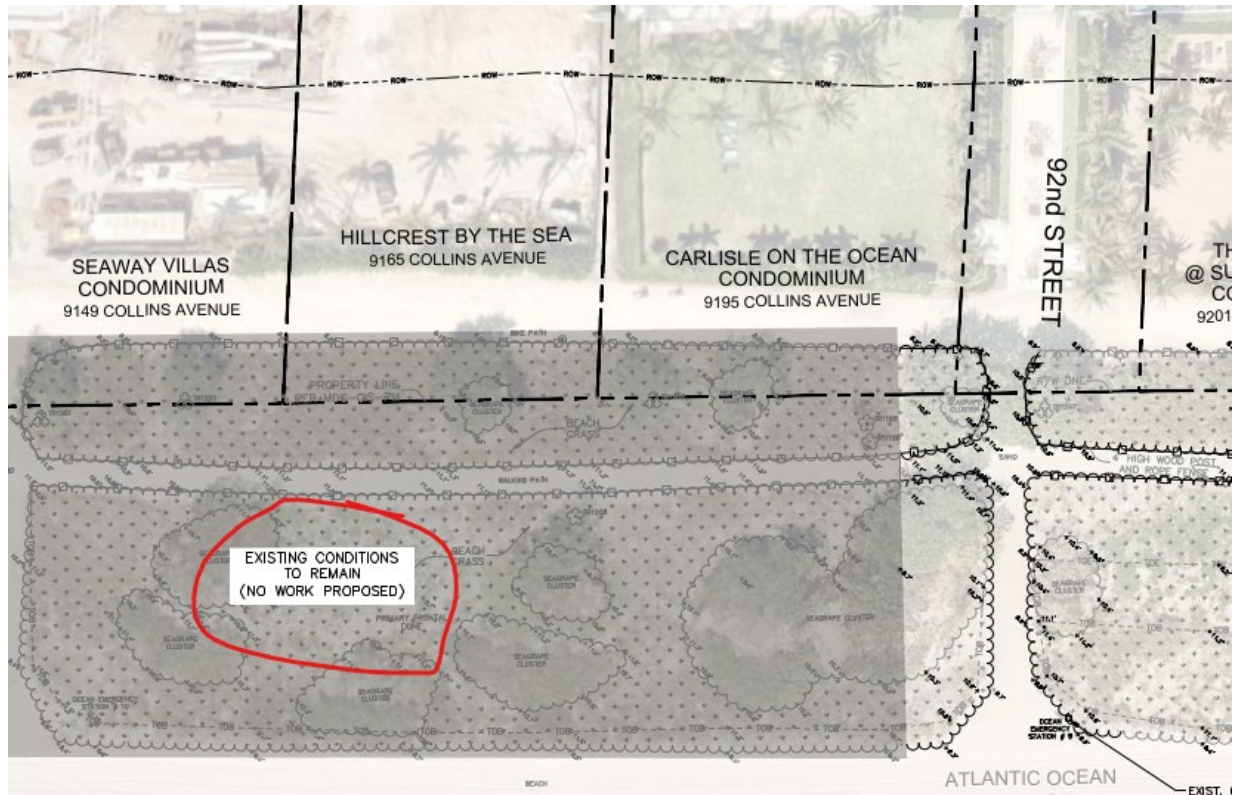
14. Benches foundation: Bid document shows installation as per manufacture specifications, WAUSAU suggested a 4" concrete pad. Confirm if a 7'W X 3'L X 4" H, is acceptable. Confirm if pad must be recessed in sand or above sand

Response: Foundation to be 7'1.5"W x 3'4"L x 4"H. Top of pad should be flush with surrounding area. Please see updated plan sheet C204 for full detail.

15. Does the work continue past 92nd street to the south? The plans are not clear. There are benches called for on 92nd street and further south. What work is being omitted from what areas and are there any considerations the contractor must take into account?

Response: Project limits are depicted on the bid plans and include the dune restoration from 87th Terrace north to 96th Street, excluding the area from south of 90th Street to south of 92nd Street and labeled on the plans as "Existing Conditions to Remain (No Work Proposed)". Below screen shots from the plans show the area shaded in gray south of 92nd to south of 90th and labeled no work proposed.





All other terms, conditions, and requirements of ITB No. 2025-03 remain unchanged. If you submitted a question before the deadline and do not see it addressed here, please notify the Town Clerk within 48 hours of this addendum being issued to ensure it is included. At this time, we believe this addendum reflects all questions received before the deadline.

PROPOSER:

NAME: _____

TITLE: _____

DATE: _____

BID WORKSHEET

PROJECT: SURFSIDE DUNE RESILIENCY AND BEAUTIFICATION

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Value</u>
<i>Site/Earthwork</i>					
1	Clear Earthwork	1	LS		
2	Fill Sand	11,500	CY		
3	Surfside Mix Sand	5,500	CY		
4	Rope Fence Replacement	12,100	LF		
5	Beach Mats Replacement	1,800	SF		
6	Landscape Edging	10,600	LF		
7	Sign Relocation	4	EA		
8	Ocean Emergency Station Relocation	11	EA		

Subtotal:

<i>Landscape</i>					
9	Tree Protection	3,600	LF		
10	Seagrape Tree Relocation	2	EA		
11	Tree Removal	12	EA		
12	Red Tip Coco Plum (Chrysobalanus icaco 'Red Tip')	953	EA		
13	Sea Grape (Coccoloba uvifera)	1,286	EA		
14	Bush Seaside Tansy (Barrichia frutescens)	619	EA		
15	Saltmeadow Cordgrass (Spartina patens)	1,776	EA		
16	Golden Creeper (Ernodea littoralis)	1,417	EA		
17	Dune Sunflower (Helianthus debilis)	993	EA		
18	Seaside Elder (Iva imbricata)	1,473	EA		
19	Beach Morning Glory (Ipomoea pes-caprae)	1,191	EA		
20	Sea Oats (Uniola paniculata)	2,086	EA		
21	Concrete Bench	24	EA		
22	Invasive Removal	1	LS		
23	Watering for Proposed Landscape	1	LS		

Subtotal:

*Sand used for fill is to match plans and to be sourced from upland sand mines previously approved by the Florida Department of Environmental Protection (FDEP), including: Jahna Industries' Ortona Sand Mine, Vulcan Materials' Witherspoon Mine, Garcia Company's Sand Mine. Cemex's Davenport Mine, and Stewart Materials' Capron Trails Sand Mine.

Subtotal:	\$
10% Contingency:	\$
Total Construction Cost:	\$

The Contractor is responsible to properly coordinate all elements of the Work within each phase of construction and to ensure that the work is completed in accordance with the contract documents. The Contractor shall properly secure the work zone to restrict public access as necessary, including, but not limited to utilizing barricades, temporary fencing, signage, etc. Any changes to the proposed construction phasing plan shall be submitted and approved by the Town prior to starting the Work. The Contractor shall submit an MOT Plan for approval by the Town of Surfside prior to starting the Work. The Contractor shall ensure proper and adequate access to all properties/driveways is maintained throughout the entire duration of construction.

Bid Notes:

1. This Bid Form is for the complete project depicted in the construction drawings and technical specifications.
2. Contractor shall furnish and install all items and provide work for all items described in Bid Worksheet.
3. Contractor shall obtain required project permits. Town shall pay any required permit fees.
4. Town will award the contract based on an evaluation of bid unit prices and time frame for delivery.
5. The quantities listed above are for the purpose of establishing unit pricing.
6. Unless specifically allowed by the Town, the Contractor shall not store overnight any equipment or stockpile any materials within the right-of-way. At the end of each work day, the Contractor shall remove all stockpiled materials and equipment to an off-site location authorized for materials stockpiling and equipment storage. Also includes cost of remobilizing materials and equipment at the Work site at the beginning of each work day.
7. Bid Item 1 - This line item covers all labor, materials, and equipment necessary to complete the clearing of earthwork as well as the disposal of excess material as specified in the construction plans and project specifications. The contractor shall:
 - a. **Excavate, trim, or grade** the subgrade as needed to accommodate to the required depth.
 - b. **Coordinate with other trades** to avoid rework and ensure base is ready for subsequent layers (e.g., sand).All work must comply with applicable project drawings, civil engineering standards, and geotechnical recommendations. Disposal of excess materials, dust control, and erosion measures are included in this scope.
8. Bid Item 2 - This line item covers the furnishing, delivery, placement, and compaction of clean fill sand as required by the project specifications and plans. Fill sand shall be used for grading, backfilling, and other site preparation activities as designated in the construction documents. The contractor shall:
 - a. Ensure the fill sand is clean, free of debris, organics, and other deleterious materials, and suitable for use in structural fill applications.

- b. Source all fill sand exclusively from upland sand mines that have been previously approved by the Florida Department of Environmental Protection (FDEP). Which are:
Jahna Industries – Ortona Sand Mine
Vulcan Materials – Witherspoon Mine
Garcia Company – Sand Mine
Cemex – Davenport Mine
Stewart Materials – Capron Trails Sand Mine
- c. Provide certification of origin and material compliance documentation upon delivery.
- d. Comply with applicable local, state, and federal regulations during the transportation and handling of all fill sand

All work must comply with applicable project drawings, civil engineering standards, and geotechnical recommendations. Disposal of excess materials, dust control, and erosion measures are included in this scope.

- 9. Bid item 3 - This line item covers the furnishing, delivery, placement, and compaction of Surfside Mix sand as required by the project specifications and plans. The contractor shall:
 - a. Ensure the fill surfside mix sand is clean, free of debris, organics, and other deleterious materials, and suitable for use in structural fill applications.
 - b. Provide certification of origin and material compliance documentation upon delivery.
 - c. Comply with applicable local, state, and federal regulations during the transportation and handling of all fill sand

All work must comply with applicable project drawings, civil engineering standards, and geotechnical recommendations. Disposal of excess materials, dust control, and erosion measures are included in this scope.

- 10. Bid Item 4 - This line item includes the removal of existing rope fence as well as the furnishing, installation, and finishing of a rope fence as shown on the project plans and detailed in the specifications. The rope fence is intended to serve as a visual and physical barrier while maintaining an aesthetically natural appearance suitable for parks, trails, and coastal environments. The contractor shall:
 - a. Remove existing rope fence.
 - b. Layout and align the proposed rope fence per project drawings.
 - c. Supply and install pressure-treated wood posts (or other approved materials) at specified intervals.
 - d. Supply and secure installation of natural or synthetic rope (minimum diameter and material type as specified).
 - e. Anchor posts to required depth and stability.
 - f. Tension and secure rope to ensure consistent and safe installation.

- g. Finish and treat of all wood components to resist weathering and decay.
 - h. Ensure all wood posts are pressure-treated and rated for ground contact.
 - i. Ensure all Rope is UV-resistant, weather-resistant, and suitable for outdoor use. Acceptable materials include manila, polypropylene, or polyester, subject to approval.
 - j. Ensure all hardware (screws, eye bolts, clamps, etc.) is corrosion-resistant (e.g., galvanized or stainless steel).
 - k. Source new and of commercial-grade quality materials
 - l. Source rope and wood from reputable suppliers with documented compliance to applicable environmental and safety standards
11. Bid Item 5 - This line item includes the procurement, delivery, and installation of ADA-compliant beach access mats as shown on the project plans and detailed in the specifications. The mats are intended to provide accessible, durable, and environmentally friendly pathways across sandy or soft terrain for pedestrians, wheelchair users, and other mobility devices. The contractor shall bid based on prices of 5ft wide AccessRec ADA Beach Mats. The Contractor Shall:
- a. Prepare and grade the site to ensure a stable surface for mat installation.
 - b. Install beach mats in accordance with the manufacturer's guidelines and the project layout.
 - c. Ensure compliance with ADA accessibility standards and environmental regulations.
 - d. Furnish ADA-compliant 5ft wide AccessRec mats.
 - e. Ensure all materials meet or exceed local, state, and federal accessibility and environmental standards.
 - f. Verify field conditions prior to installation
 - g. Comply with all applicable ADA guidelines, environmental protection regulations, and project-specific requirements.
 - h. Provide product data sheets, installation manuals, and warranty documentation upon delivery.
12. Bid Item 6 - This line item includes the furnishing, installation, and finishing of a landscape edging system as shown on the project plans and detailed in the specifications. The landscape edging is intended to control erosion, manage sand drift, and protect designated areas while maintaining a natural and unobtrusive appearance suitable for coastal, park, and trail environments. The contractor shall:
- a. Layout and align the landscape edging per project drawings and site conditions.
 - b. Supply and install approved barrier materials (e.g., sand fencing, geotextile fabric, or other specified systems).
 - c. Install support posts or stakes at specified intervals to ensure structural integrity.
 - d. Anchor the barrier system securely to withstand wind, water, and shifting sand conditions.

- e. Use corrosion-resistant hardware and fasteners suitable for outdoor and coastal environments.
 - f. Ensure all materials are UV-resistant and weather-resistant.
 - g. Source new, commercial-grade materials from reputable suppliers with documented compliance to applicable environmental and safety standards.
 - h. Coordinate with site grading and landscaping teams to ensure proper integration with surrounding features.
 - i. Maintain the barrier's alignment and effectiveness throughout the construction period until final acceptance.
13. Bid Item 7 - This line item includes the removal, transport, and reinstallation of existing signage as shown on the project plans and detailed in the specifications. The purpose of this work is to preserve and reposition signage in accordance with updated site layouts while maintaining visibility, structural integrity, and compliance with applicable codes. The contractor shall:
- a. Identify and document all signs designated for relocation per project drawings.
 - b. Carefully remove existing signs, including posts, footings, and hardware, without causing damage.
 - c. Transport signs to the new locations as specified in the plans.
 - d. Prepare new installation sites, including excavation and foundation work as required.
 - e. Reinstall signs at the new locations, ensuring proper orientation, height, and alignment.
 - f. Replace any damaged or missing components with materials matching the original or as approved.
 - g. Use corrosion-resistant hardware for all reinstallation work.
 - h. Ensure all signage remains compliant with local, state, and federal regulations, including ADA and MUTCD standards where applicable.
 - i. Restore any disturbed areas around the original and new sign locations to pre-construction condition.
 - j. Coordinate with project inspectors to verify correct placement and installation.
14. Bid Item 8 - This line item includes the removal, transport, and reinstallation of existing ocean emergency stations as shown on the project plans and detailed in the specifications. The purpose of this work is to maintain public safety infrastructure while accommodating updated site layouts or environmental conditions. The contractor shall:
- a. Identify and document all emergency stations designated for relocation per project drawings.
 - b. Carefully disconnect and remove emergency station components, including signage, communication devices, mounting structures, and power sources, without causing damage.
 - c. Transport all components to the new designated locations as specified.

- d. Prepare new installation sites, including excavation, foundation work, and utility connections as required.
 - e. Reinstall emergency stations at the new locations, ensuring full functionality, visibility, and accessibility.
 - f. Test all communication and alert systems to confirm operational readiness.
 - g. Replace or repair any damaged components with approved, matching materials.
 - h. Use corrosion-resistant and weatherproof hardware suitable for coastal environments.
 - i. Ensure compliance with all applicable safety, accessibility (ADA), and emergency response standards.
 - j. Restore all disturbed areas at both original and new locations to pre-construction condition.
 - k. Coordinate with local emergency services and project inspectors to verify proper installation and functionality.
15. Bid Item 9 - This line item includes all labor, materials, and measures necessary to protect existing trees designated for preservation throughout the duration of construction activities. The intent is to prevent damage to tree trunks, roots, and canopies from grading, excavation, equipment, or material storage. The contractor shall:
- a. Install tree protection in all locations specified in project documents.
 - b. Follow the Tree Protection notes and details in the Landscape Plans for installation.
 - c. Maintain all tree protection measures in place and in good condition for the duration of the project.
 - d. Immediately report any damage to protected trees to the Engineer and Town.
 - e. Remove tree protection measures only upon completion of all construction activities and with approval from the Town.
 - f. Comply with all applicable local ordinances, environmental regulations, and project-specific tree protection guidelines.
 - g. Be responsible for the cost of replacement or mitigation for any trees damaged due to non-compliance with protection measures.
16. Bid Item 10 - This line item includes all labor, equipment, and materials necessary to carefully relocate existing Seagrape (*Coccoloba uvifera*) trees as identified in the project plans. The intent is to preserve and successfully reestablish these native trees in approved locations on or near the project site. The contractor shall:
- a. Identify and mark all Seagrape trees designated for relocation in coordination with the landscape architect.
 - b. Obtain all necessary permits or approvals required for the relocation of native vegetation, including compliance with local and state environmental regulations.
 - c. Refer to the Tree Relocation notes and applicable details for relocation instruction.

- d. Water and maintain the relocated trees for the duration of the establishment period, including monitoring for signs of stress or decline.
 - e. Replace any relocated tree that fails to survive in coordination with the Town of Surfside and the Engineer.
 - f. Maintain detailed records of tree locations, dates of relocation, and maintenance activities.
17. Bid Item 11 - This line item includes the complete removal and lawful disposal of trees designated for removal as shown on the project plans. The work shall be performed in a safe, controlled manner that minimizes disruption to surrounding vegetation, structures, and utilities. The contractor shall:
- a. Identify and confirm all trees designated for removal in coordination with the project landscape architect.
 - b. Obtain all necessary permits and approvals required for tree removal in accordance with local, state, and environmental regulations.
 - c. Perform tree removal using methods that ensure the safety of workers, the public, and adjacent property.
 - d. Remove all above-ground and below-ground portions of the tree, including the stump and major roots, unless otherwise noted in the project documents.
 - e. Grind stumps to a minimum depth below finished grade as specified or as required to allow for future use of the area.
 - f. Backfill stump holes with clean fill material, compacted to match surrounding grade.
 - g. Properly dispose of all tree debris, including trunks, limbs, leaves, and mulch, in accordance with applicable disposal regulations.
 - h. Restore any disturbed areas to their original condition or as otherwise specified in the contract documents.
 - i. Coordinate with utility companies to identify and avoid conflicts with overhead or underground utilities.
 - j. Notify the Engineer of any discrepancies between field conditions and the plans prior to beginning removal.
 - k. Comply with all applicable safety standards, environmental protection guidelines, and project-specific requirements.
18. Bid Item 12 - This line item includes the furnishing, delivery, installation, and establishment of Red Tip Cocoplum shrubs as specified in the landscape plans and project documents. The contractor shall:
- a. Furnish healthy, well-formed Red Tip Cocoplum shrubs of the specified size, free from pests, disease, and structural defects.
 - b. Source plant material from a licensed nursery that complies with Florida Grades and Standards for Nursery Plants.

- c. Deliver and install shrubs in accordance with the approved planting layout, spacing, and orientation shown on the landscape plans.
- d. Excavate planting holes to the appropriate depth and width, ensuring proper root ball placement and backfilling with amended soil as specified.
- e. Stake or support plants only if necessary and remove supports once plants are established.
- f. Replace any plant material that fails to survive or thrive during the warranty or establishment period at no additional cost to the owner.
- g. Maintain the planting area free of weeds, debris, and pests throughout the maintenance period.
- h. Submit plant material certifications or nursery documentation upon request for approval prior to installation.

19. Bid Item 13 - This line item includes the furnishing, delivery, installation, and establishment of Sea Grape plants as specified in the landscape plans and project documents. The contractor shall:

- a. Furnish healthy, well-formed Sea Grape plants of the specified size and container type, free from pests, disease, and structural defects.
- b. Source plant material from a licensed nursery that complies with Florida Grades and Standards for Nursery Plants and applicable native plant regulations.
- c. Deliver and install Sea Grape plants in accordance with the approved planting layout, spacing, and orientation shown on the landscape plans.
- d. Excavate planting holes to the appropriate depth and width, ensuring proper placement of the root ball and backfilling with suitable soil.
- e. Avoid excessive pruning or shaping of Sea Grape plants, in accordance with Florida Department of Environmental Protection (FDEP) guidelines for native coastal vegetation.
- f. Replace any plant material that fails to survive or thrive during the warranty or establishment period at no additional cost to the owner.
- g. Maintain the planting area free of weeds, debris, and pests throughout the maintenance period.
- h. Submit plant material certifications or nursery documentation upon request for approval prior to installation.

20. Bid Item 14 - This line item includes the furnishing, delivery, installation, and establishment of Bush Seaside Tansy plants as specified in the landscape or restoration plans. The contractor shall:

- a. Furnish healthy, well-rooted Bush Seaside Tansy plants of the specified size and container type, free from pests, disease, and structural defects.
- b. Source plant material from a licensed nursery that specializes in native coastal vegetation and complies with Florida Grades and Standards for Nursery Plants.

- c. Deliver and install plants in accordance with the approved planting layout, spacing, and orientation shown on the project plans.
- d. Excavate planting holes to the appropriate depth and width, ensuring proper placement of the root ball and backfilling with suitable, well-draining soil.
- e. Avoid the use of synthetic fertilizers or herbicides in or around native planting areas unless specifically approved.
- f. Replace any plant material that fails to survive or thrive during the warranty or establishment period at no additional cost to the owner
- g. Submit plant material certifications or nursery documentation upon request for approval prior to installation.

21. Bid Item 15 - This line item includes the furnishing, delivery, installation, and establishment of Saltmeadow Cordgrass plants as specified in the landscape or restoration plans. The contractor shall:

- a. Furnish healthy, well-rooted Saltmeadow Cordgrass plants of the specified size and container type, free from pests, disease, and structural defects.
- b. Source plant material from a licensed nursery that specializes in native coastal vegetation and complies with Florida Grades and Standards for Nursery Plants.
- c. Deliver and install plants in accordance with the approved planting layout, spacing, and orientation shown on the project plans.
- d. Excavate planting holes to the appropriate depth and width, ensuring proper placement of the root ball and backfilling with suitable, well-draining soil.
- e. Avoid the use of synthetic fertilizers or herbicides in or around native planting areas unless specifically approved.
- f. Replace any plant material that fails to survive or thrive during the warranty or establishment period at no additional cost to the owner
- g. Submit plant material certifications or nursery documentation upon request for approval prior to installation.

22. Bid Item 16 – This line item includes the furnishing, delivery, installation, and establishment of Golden Creeper plants as specified in the landscape or restoration plans. The contractor shall:

- a. Furnish healthy, well-rooted Golden Creeper plants of the specified size and container type, free from pests, disease, and structural defects.
- b. Source plant material from a licensed nursery that specializes in native coastal vegetation and complies with Florida Grades and Standards for Nursery Plants.
- c. Deliver and install plants in accordance with the approved planting layout, spacing, and orientation shown on the project plans.
- d. Excavate planting holes to the appropriate depth and width, ensuring proper placement of the root ball and backfilling with suitable, well-draining soil.

- e. Avoid the use of synthetic fertilizers or herbicides in or around native planting areas unless specifically approved.
 - f. Replace any plant material that fails to survive or thrive during the warranty or establishment period at no additional cost to the owner
 - g. Submit plant material certifications or nursery documentation upon request for approval prior to installation.
23. Bid Item 17 – This line item includes the furnishing, delivery, installation, and establishment of Dune Sunflower plants as specified in the landscape or restoration plans. The contractor shall:
- a. Furnish healthy, well-rooted Golden Creeper plants of the specified size and container type, free from pests, disease, and structural defects.
 - b. Source plant material from a licensed nursery that specializes in native coastal vegetation and complies with Florida Grades and Standards for Nursery Plants.
 - c. Deliver and install plants in accordance with the approved planting layout, spacing, and orientation shown on the project plans.
 - d. Excavate planting holes to the appropriate depth and width, ensuring proper placement of the root ball and backfilling with suitable, well-draining soil.
 - e. Replace any plant material that fails to survive or thrive during the warranty or establishment period at no additional cost to the owner.
 - f. Submit plant material certifications or nursery documentation upon request for approval prior to installation.
24. Bid Item 18 – This line item includes the furnishing, delivery, installation, and establishment of Seaside Elder plants as specified in the landscape or restoration plans. The contractor shall:
- a. Furnish healthy, well-rooted Seaside Elder plants of the specified size and container type, free from pests, disease, and structural defects.
 - b. Source plant material from a licensed nursery that specializes in native coastal vegetation and complies with Florida Grades and Standards for Nursery Plants.
 - c. Deliver and install plants in accordance with the approved planting layout, spacing, and orientation shown on the project plans.
 - d. Excavate planting holes to the appropriate depth and width, ensuring proper placement of the root ball and backfilling with suitable, well-draining soil.
 - e. Replace any plant material that fails to survive or thrive during the warranty or establishment period at no additional cost to the owner
 - f. Submit plant material certifications or nursery documentation upon request for approval prior to installation.
25. Bid Item 19 - This line item includes the furnishing, delivery, installation, and establishment of Beach Morning Glory plants as specified in the landscape or restoration plans. The contractor shall:

- a. Furnish healthy, well-rooted Beach Morning Glory plants of the specified size and container type, free from pests, disease, and structural defects.
 - b. Source plant material from a licensed nursery that specializes in native coastal vegetation and complies with Florida Grades and Standards for Nursery Plants.
 - c. Deliver and install plants in accordance with the approved planting layout, spacing, and orientation shown on the project plans.
 - d. Excavate planting holes to the appropriate depth and width, ensuring proper placement of the root ball and backfilling with suitable, well-draining soil.
 - e. Replace any plant material that fails to survive or thrive during the warranty or establishment period at no additional cost to the owner
 - f. Submit plant material certifications or nursery documentation upon request for approval prior to installation.
26. Bid Item 20 - This line item includes the furnishing, delivery, installation, and establishment of Sea Oats plants as specified in the landscape or restoration plans. The contractor shall:
- a. Furnish healthy, well-rooted Sea Oats plants of the specified size and container type, free from pests, disease, and structural defects.
 - b. Source plant material from a licensed nursery that specializes in native coastal vegetation and complies with Florida Grades and Standards for Nursery Plants.
 - c. Deliver and install plants in accordance with the approved planting layout, spacing, and orientation shown on the project plans.
 - d. Excavate planting holes to the appropriate depth and width, ensuring proper placement of the root ball and backfilling with suitable, well-draining soil.
 - e. Replace any plant material that fails to survive or thrive during the warranty or establishment period at no additional cost to the owner
 - f. Submit plant material certifications or nursery documentation upon request for approval prior to installation.
27. Bid Item 21 - This line item includes the furnishing, delivery, installation, and finishing of concrete benches as specified in the project plans and details. The benches are intended to provide durable, low-maintenance seating in respite areas. The contractor shall:
- a. Furnish concrete benches of the specified design, dimensions, and finish as shown in the construction documents or approved shop drawings.
 - b. Source benches from a manufacturer approved by the Town and landscape architect, ensuring compliance with all applicable quality and durability standards.
 - c. Deliver benches to the site in good condition, free of cracks, chips, or other defects.
 - d. Install benches at the locations and orientations indicated on the plans, ensuring proper alignment, spacing, and accessibility.
 - e. Prepare bench foundations or pads as required, including excavation, formwork,

reinforcement, and concrete placement, where applicable.

- f. Secure benches to foundations according to bench details and manufacturer specifications.
- g. Clean all surfaces of the benches after installation and remove any construction debris or residue.
- h. Protect benches from damage during the remainder of construction and replace any units damaged prior to final acceptance.
- i. Coordinate with other trades to avoid conflicts with utilities, paving, or landscaping.
- j. Submit product data, color samples, and installation details for approval prior to procurement.
- k. Comply with all applicable ADA accessibility requirements and local codes related to public seating.

28. Bid Item 22 - This line item includes the identification, removal, and lawful disposal of invasive plant species within the project area, as specified in the project documents. The goal is to restore and preserve native plant communities and prevent the spread of non-native, invasive vegetation.

- a. Identify and remove all invasive plant species listed in the project documents or as defined by local, state, or federal invasive species regulations.
- b. Use removal methods appropriate to the species and site conditions, including manual, mechanical treatments as specified.
- c. Prevent disturbance to adjacent native vegetation and minimize soil disruption during removal activities.
- d. Properly dispose of all invasive plant material off-site in accordance with applicable environmental regulations to prevent re-establishment.
- e. Coordinate with the landscape architect to confirm species identification and removal boundaries prior to beginning work.
- f. Use herbicides only when specifically approved in writing. A city representative must be present during application.
- g. Monitor the site during and after removal for regrowth or re-infestation and perform follow-up treatments as required during the maintenance period.
- h. Maintain detailed records of removal activities, including dates, methods used, and quantities removed, and submit documentation upon request.
- i. Preserve all native vegetation designated to remain and restore any areas disturbed by removal activities to their original condition or as otherwise specified.
- j. Notify the Engineer of any unexpected site conditions or species not previously identified.

29. Bid Item 23 - This line item includes all labor, equipment, and materials necessary to

provide watering services for newly installed landscape plantings to ensure proper establishment and healthy growth, as specified in the project documents. The contractor shall:

- a. Schedule and perform 180 days of water monitoring for all plantings under this contract.
- b. Provide supplemental hand-watering if the site experiences drought or if rainfall does not accumulate at least 2 inches per week during the monitoring period.
- c. Furnish water of satisfactory quality to sustain healthy plant growth. Water shall be free of harmful natural or man-made elements. If on-site water is not suitable, the contractor shall provide acceptable water from off-site sources at no additional cost to the owner. Water from the adjacent canal may be used with owner approval.
- d. Apply water using a water truck or temporary irrigation system, which shall be removed at the end of the maintenance period.
- e. Supplement rainfall with hand-watering as needed and document all watering efforts using rainfall data and monitoring records.

Follow the watering schedule below for bidding purposes:

Day 1: Water in plantings per specifications.

Days 2–30: Apply ½ inch of water on Monday, Tuesday, Wednesday, Thursday, and Saturday.

Days 31–90: Apply ½ inch of water on Monday, Wednesday, and Saturday.

Days 91–180: Apply ½ inch of water on Wednesday and Saturday.

Coordinate with the landscape architect for any adjustments to the watering schedule based on site conditions.

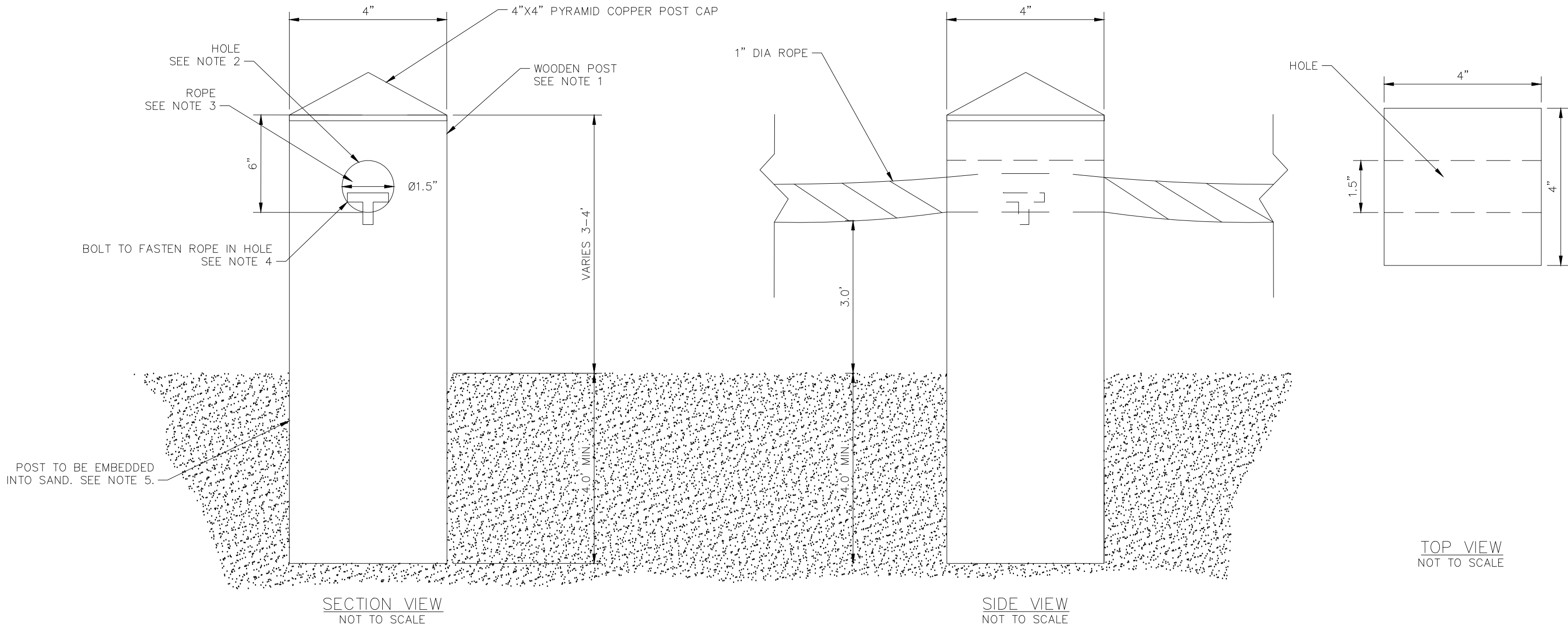
Comply with all applicable local water use restrictions and environmental regulations.

Protect all landscape areas from damage during watering operations and restore any disturbed areas to their original condition.

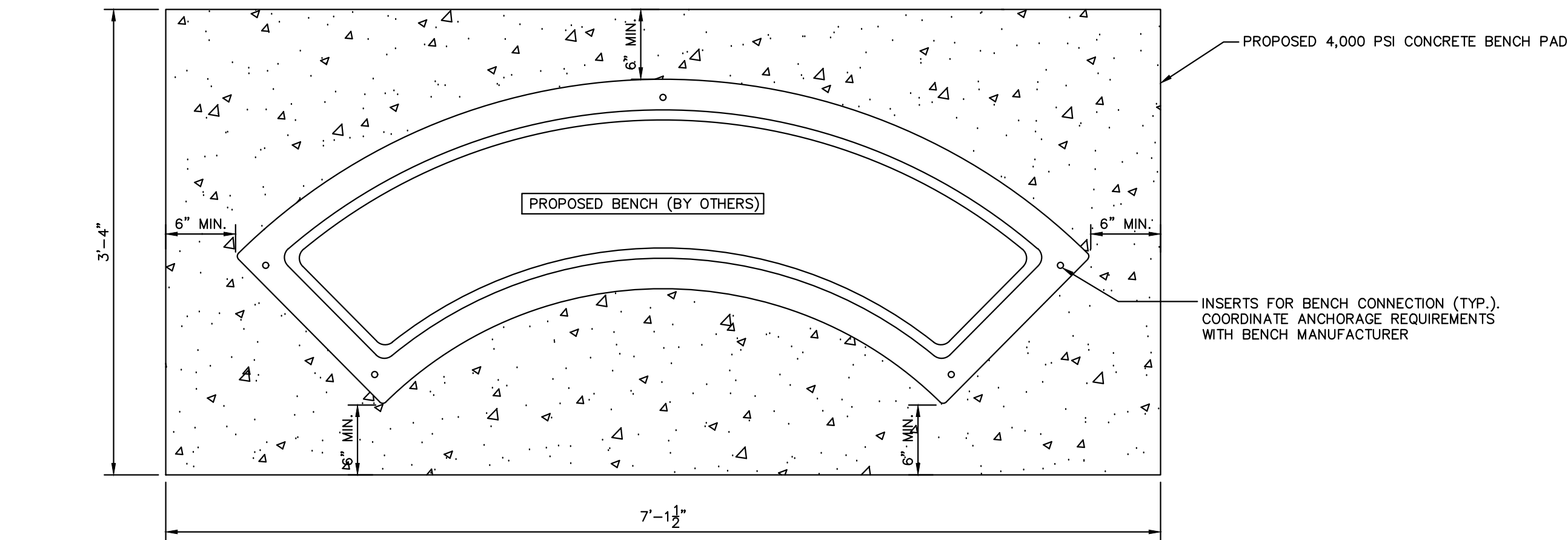
30. The contractor shall follow all specifications in the Planting Notes, Tree Relocation General Notes, Landscape Watering and Fertilizing Specifications and Notes, and the General Landscape Specifications and Notes as well as the various details within the plans. If there is a discrepancy between this Bid Worksheet and information within the plans, the plans shall supersede this document.
31. All work shall comply with Town of Surfside standards.
32. All work shall be performed in accordance with established methods and practices as approved by the Town of Surfside, Miami-Dade County and/or Department of Environmental Protection. All work shall be subject to the approval by Town staff before final payment is made.
33. Bidder understands and agrees that the Contract Price is lump sum to furnish and install all of the Work complete in place. The Bid Worksheet is provided for the purpose of Bid Evaluation and when initiated by the Town, the pricing of change orders. Contractor's price will not be adjusted to reflect any deviation from the Bid Worksheet, except to the extent that the Town changes the

scope of Project after the Contract Date.

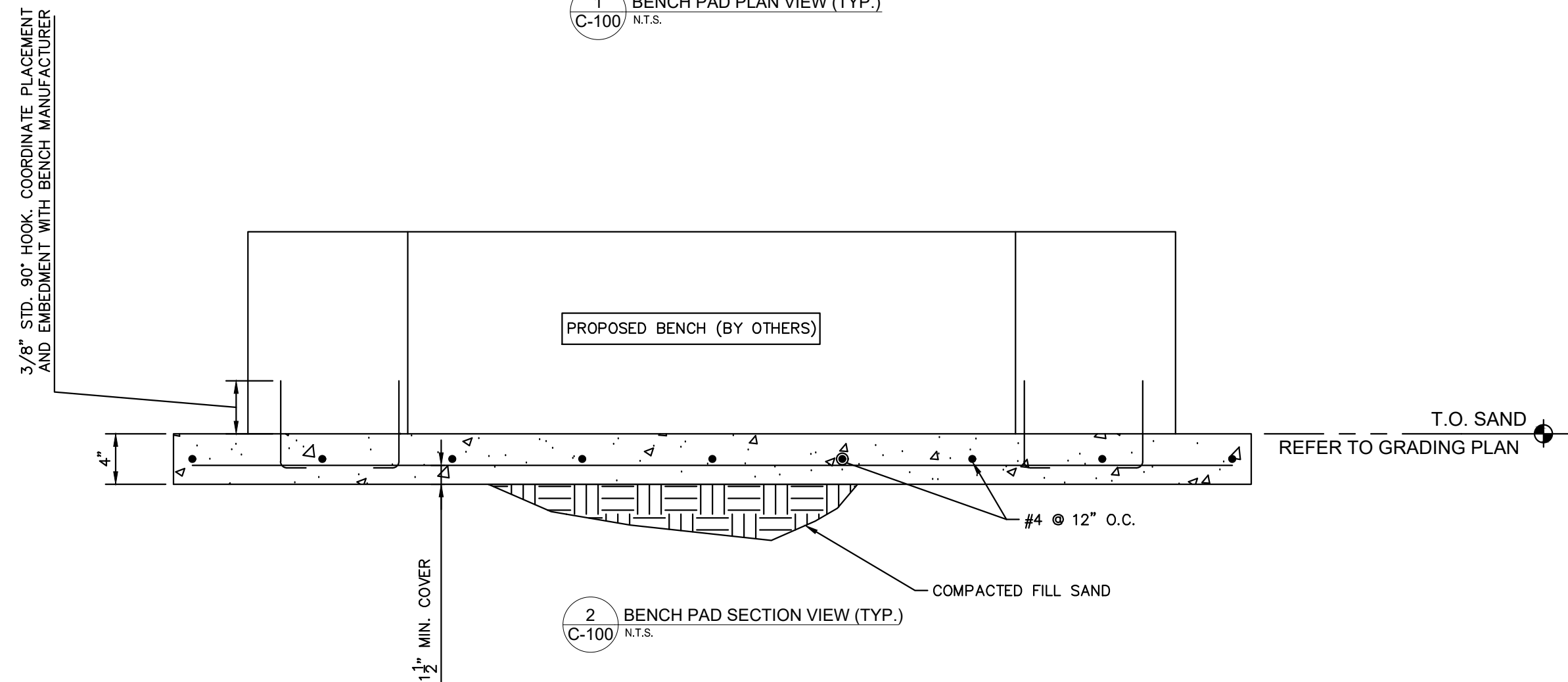
34. Contingency Line Item will be paid based on the actual cost for each item. Any contingency item, or portion of a contingency item, that is not used shall be reconciled at the completion of the project and deleted from the Contract.



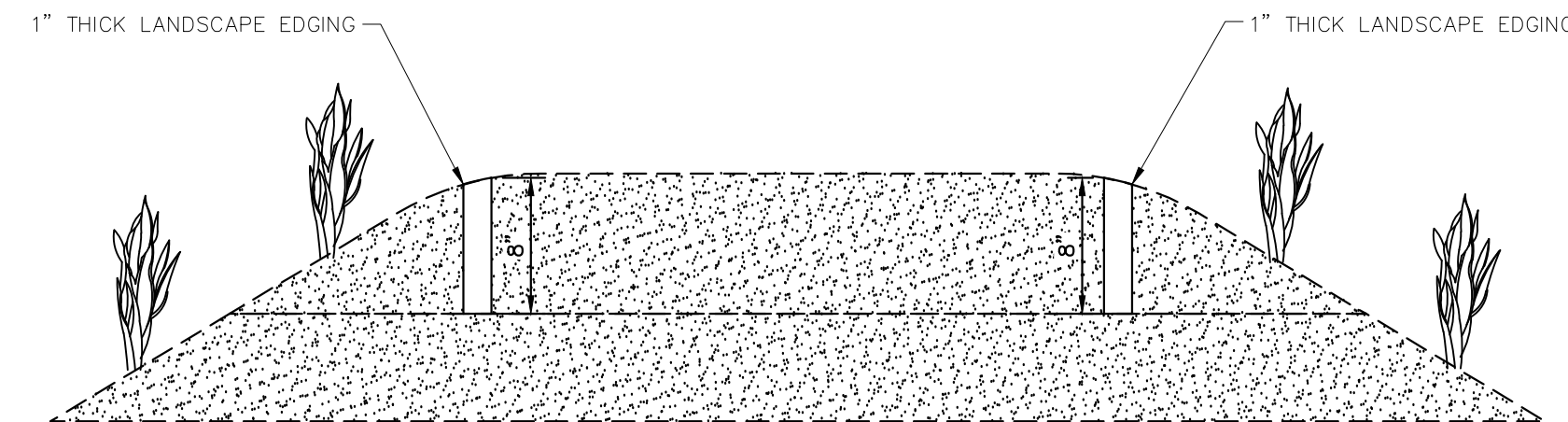
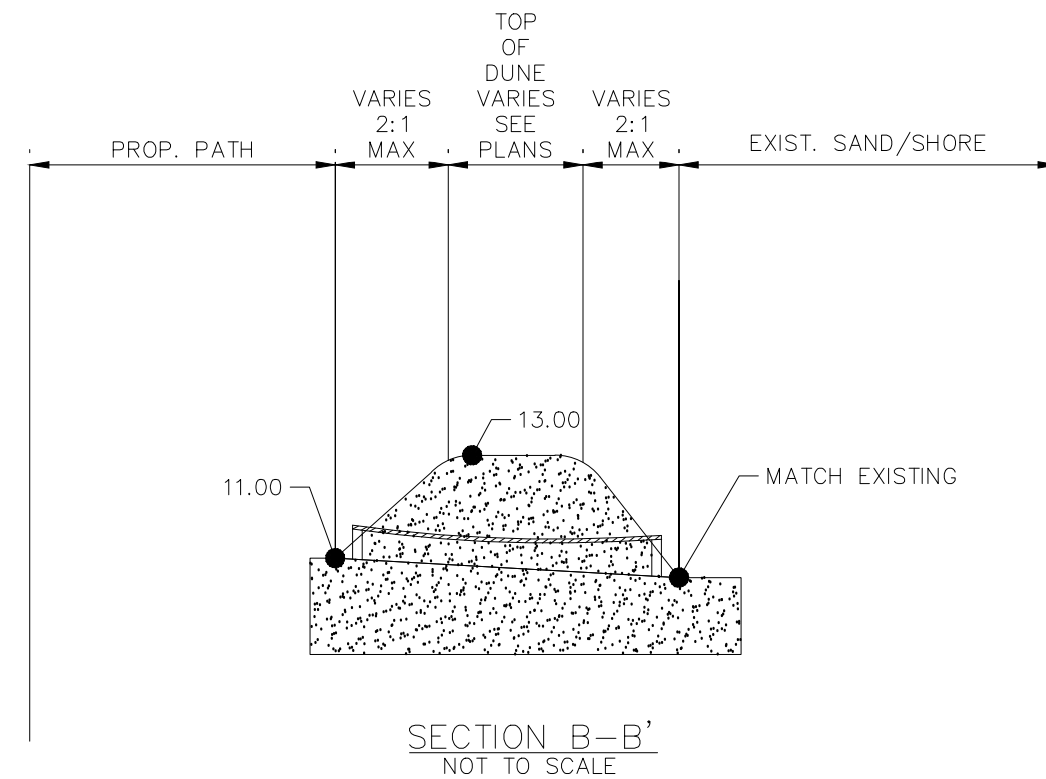
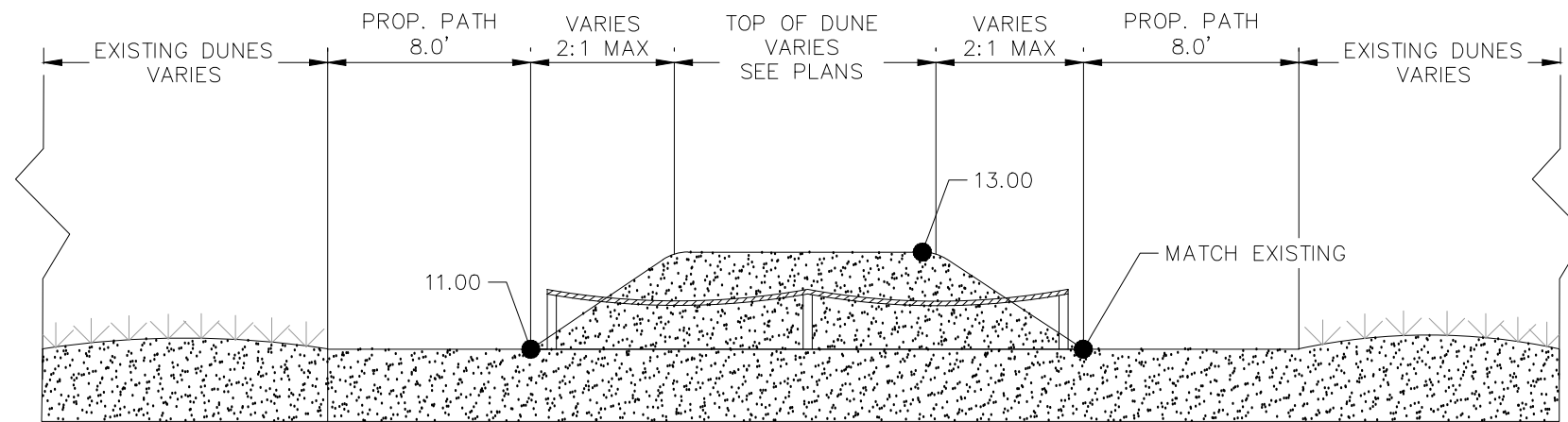
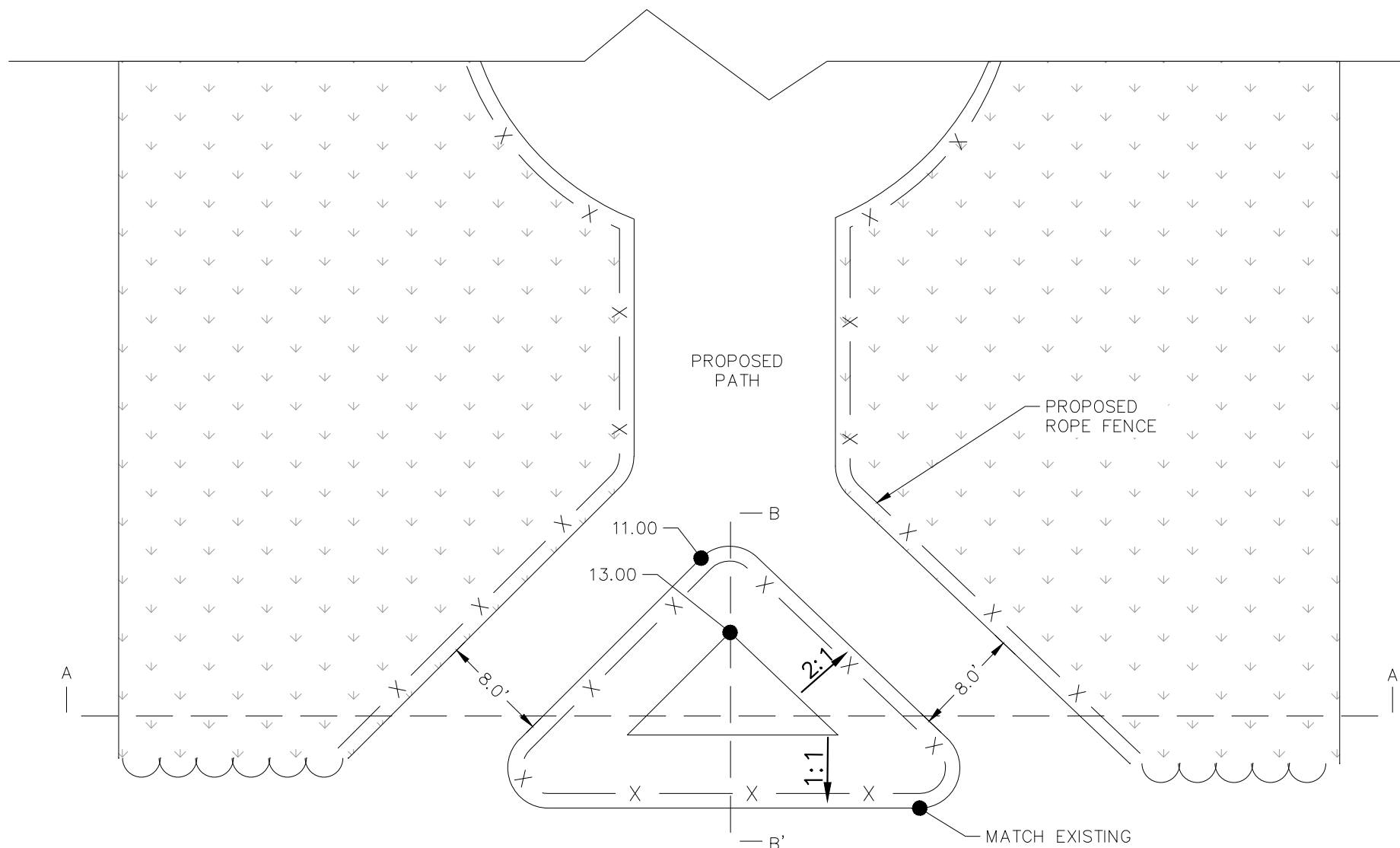
NOTE 1: WOODEN POST TO BE 4"x4", HEIGHT VARIES BETWEEN 3' AND 4'.
NOTE 2: HOLE TO HAVE DIAMETER OF 1.5".
NOTE 3: ROPE TO HAVE DIAMETER OF 1". ROPE TO TRAVEL THROUGH HOLE IN POST.
NOTE 4: BOLT TO FASTEN ROPE WITHIN HOLE.
NOTE 5: POST AND ROPE FENCE TO BE INSTALLED AS PER FDEP COOL POST AND ROPE GUIDELINES.



1 BENCH PAD PLAN VIEW (TYP.)
C-100 N.T.S.



2 BENCH PAD SECTION VIEW (TYP.)
C-100 N.T.S.



MATERIAL: POLYETHYLENE WITH ULTRAVIOLET INHIBITORS

EDGING THICKNESS: 1 IN.

NOTES:
NOTE 1: INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS

NOTE 2: INSTALL AS REQUIRED, PER PLAN NOTES

NOTE 3: SUBMIT PRODUCT DATA FOR APPROVAL

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON THE NAVD29. TO CONVERT ELEVATIONS TO NAVD88, SUBTRACT 1.55'.

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DUNE RESILIENCY & BEAUTIFICATION PREPARED FOR TOWN OF SURFSIDE FLORIDA		ENGINEERING DETAILS		KHA PROJECT 143332004 DATE FEB 2025 SCALE AS SHOWN DESIGNED BY SV DRAWN BY SV CHECKED BY SV		LICENSED PROFESSIONAL STEFANO VOLA, P.E. FLORIDA LICENSE NUMBER 74655 DATE: 11/21/2025	© 2025 KIMLEY-HORN AND ASSOCIATES, INC. 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM REGISTRY No. 35106		11/04/2025		
SHEET NUMBER C204								1		BID SET REVISION	



OPINION OF PROBABLE COST

Date:	
11/21/2025	
Project Name:	
Surfside Dune Resiliency and Beautification	
Location:	
Surfside, Florida	

General Construction					
Item No.	Description	Unit	Quantity	Unit Cost	Cost
1	Mobilization (10% Construction Cost)	LS	1	\$209,100.00	\$209,100.00
2	Maintenance of Traffic	LS	1	\$50,000.00	\$50,000.00
3	Erosion Control (2% Construction Cost)	LS	1	\$41,900.00	\$41,900.00
4	Clearing and Grubbing	LS	1	\$50,000.00	\$50,000.00
Sub-Total Cost					\$351,000.00

Site/Eartwork					
Item No.	Description	Unit	Quantity	Unit Cost	Cost
5	Fill Sand	CY	11,500	\$60.00	\$690,000.00
6	Surfside Mix Sand	CY	5,500	\$80.00	\$440,000.00
7	Rope Fence	LF	12,100	\$10.00	\$121,000.00
8	Beach Mats	SF	1,800	\$10.00	\$18,000.00
9	Existing Rope Fence Removal	LF	9,000	\$10.00	\$90,000.00
10	Landscape Edging	LF	10,600	\$10.00	\$106,000.00
11	Sign Relocation	EA	4	\$500.00	\$2,000.00
12	Ocean Emergency Station Relocation	EA	11	\$1,000.00	\$11,000.00

Landscape					
Item No.	Description	Unit	Quantity	Unit Cost	Cost
13	Tree Protection	LF	3,600	\$10.00	\$36,000.00
14	Seagrape Tree Relocation	EA	2	\$5,000.00	\$10,000.00
15	Tree Removal	EA	12	\$1,600.00	\$19,200.00
16	Red Tip Coco Plum (Chrysobalanus icaco 'Red Tip')	EA	953	\$150.00	\$142,950.00
17	Sea Grape (Coccoloba uvifera)	EA	1,286	\$100.00	\$128,600.00
18	Bush Seaside Tansy (Barrichia frutescens)	EA	619	\$10.00	\$6,200.00
19	Saltmeadow Cordgrass (Spartina patens)	EA	1,776	\$5.00	\$8,900.00
20	Golden Creeper (Ernodea littoralis)	EA	1,417	\$10.00	\$14,200.00
21	Dune Sunflower (Helianthus debilis)	EA	993	\$5.00	\$5,000.00
22	Seaside Elder (Iva imbricata)	EA	1,473	\$10.00	\$14,750.00
23	Beach Morning Glory (Ipomoea pes-caprae)	EA	1,191	\$5.00	\$6,000.00
24	Sea Oats (Uniola paniculata)	EA	2,086	\$10.00	\$20,900.00
25	Concrete Bench	EA	24	\$2,000.00	\$48,000.00
26	Invasive Removal	LS	1	\$5,000.00	\$5,000.00
27	Watering for Proposed Landscape	LS	1	\$1,000.00	\$1,000.00
Sub-Total Cost					\$2,090,400.00

Total Cost	\$ 2,441,400
Contingency 10%	\$ 244,150
Total Construction Cost	\$ 2,685,550

Stefano F. Viola, P.E.
FL License No. 74655

Notes

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.