

# Indian River Board of County Commissioners

1801 27<sup>th</sup> Street  
Vero Beach, Florida 32960-3365  
Telephone: (772) 567-8000  
Fax: (772) 778-9391

Indian River County Purchasing  
Division [purchasing@ircgov.com](mailto:purchasing@ircgov.com)

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## ADDENDUM NO. 2

Issue Date: August 27, 2021

Project Name: Sector 3, Phase 2 Beach & Dune Restoration Project

Bid Number: 2021050

Bid Opening Date: **September 8, 2021**

This addendum is being released to provide clarification to items discussed at the 08/26/2021 non-mandatory Pre-Bid meeting, as well as to provide a response to questions received since the bid was announced. The information and documents contained in this addendum are hereby incorporated in the invitation to bid. **This addendum must be acknowledged where indicated on the bid form, or the bid will be declared non-responsive.**

### Attachments:

Pre-bid minutes  
Response to questions received through 08/27/2021  
Sign in sheets  
Revised Planview OV-1 & D-2

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## PRE-BID MEETING AGENDA

August 26<sup>th</sup>, 2021, 2:00 PM

INDIAN RIVER COUNTY ADMINISTRATION BUILDING

Room A1-303 Building A (Public Works)

SECTOR 3 BEACH AND DUNE RESTORATION PROJECT (*Phase 2*)

Project No. IRC-2109

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This meeting will be recorded as part of the project records.

**Project Name:** SECTOR 3 BEACH AND DUNE RESTORATION PROJECT (Phase 2)

**Project Number:** IRC-2109

**Bid Number:** 2021050

### **INTRODUCTIONS / SIGN IN SHEET**

*Eric Charest started the meeting at 2:00 with a request for those in attendance to announce their names and organizations represented, as well as for those calling in to do the same. After the brief introductions Eric Charest provided an overview of the Sector 3, Phase 2 Beach and Dune Restoration Project in accordance with the Pre-Bid agenda.*

This is a Pre-Bid Meeting: Attendance at this conference by all bidders is NOT MANDATORY. Everyone present during any part of the meeting please sign in. For those calling into this meeting please email your name, company, and phone number to [coastal@ircgov.com](mailto:coastal@ircgov.com).

### **PROJECT DESCRIPTION**

Phase 2 of the project entails a re-nourishment of approx. 2.9 miles of the southern section of the County's Sector 3 Beach and Dune Restoration Project via placement of about 280,000 cubic yards of beach-compatible sand fill and about 302,820 native dune plants. Construction shall occur between R-Monuments R-40 and R-55. The length of the original project has been reduced into two phases, Phase 1 and Phase 2. Sand fill is proposed to be obtained from either (a) the County's Offshore Borrow Area, or (b) an upland sand source pre-qualified by the County, and/or (c) an upland sand source separately approved by Florida Department of Environment Protection. To avoid adverse impacts to nesting sea turtles, construction is expected to be completed during the period from November 1<sup>st</sup>, 2021 and April 30, 2022.

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## **CONTRACT DETAILS**

Bid Opening: Wednesday, September 8<sup>th</sup>, 2021 at 2:00 PM

Contract time: 116 days to substantial completion  
130 days to final completion

NOTE: All on-beach construction activities including sand placement, grading, and dune planting shall be completed no later than April 30, 2022 due to permit requirements, the completion of all sand placement and grading activities is necessary in order to achieve substantial completion of the project.

Liquidated Damages: \$4,344 per day

Force Account:

- The Force Account line item is not to be bid upon and that the value is provided by the County. It is to be calculated in the final dollar amount for the bid using the provided value. The Force Account line item is intended for use by the County as a contingency fund for when unforeseen work or differing field conditions require a work change directive, or field work order, to be issued.

## **CONTACT BIDDING PROCESS**

All communication concerning this bid shall be directed to Indian River County Purchasing Division at [purchasing@ircgov.com](mailto:purchasing@ircgov.com).

## **PROJECT CONSULTANTS**

APTIM Environmental & Infrastructure, Inc.  
Nicole Sharp, P.E.

## **PERMITS**

All permitting for the project has been completed by the County. The permits include:  
Department of the Army Permit: SAJ-2007-01645  
Florida Department of the Environmental Protection: 0285993-009-JC

## **PROJECT OVERVIEW DISCUSSION**

- Review and comment with questions and clarification as soon as possible, no further comments 10 days prior to bid opening.

*Eric Charest provided the schedule that no questions will be responded to if received after the Monday, August 30, 2021 cut-off date in accordance with the bid timeline.*

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- Anticipated Bid Award in September.
- The Notice to Proceed tentative issuance is TDB
- Project must commence within 14 days of Notice to Proceed
- Contractor will need to comply with conditions and requirements of ALL permits.
- Work hours – IRC work hours are from 7 AM to 5 PM. Night time operations, work on weekend or holidays will need approval from IRC.
  - o If a Dredging operation is selected, it may necessitate 24 hours/day and 7days/week operations. Due to these types of operations some limitations may apply.

*Eric Charest stated that even with if a dredge operation was selected as the contract award recipient, environmental restrictions would still apply such as the noise ordinance). Compliance with such restrictions would need to be further discussed at the pre-construction meeting with the County.*

- Beach fill material – must come from a permitted source.
- Non-compliant fill material placed on beach must be removed at Contractor expense
- Driveway, business and road access shall be maintained at all times
- The Contractor will only be permitted to close the beach in the area where sand placement work is being immediately performed or where equipment is operating/staging. Contractor shall be required to phase their work in such a manner to minimize impacts to local businesses and residents and maintain existing beach access.
- Regular communication between the Contractor, County and Consultant will be necessary to ensure minimal closure times to sections of the beach being restored.
- Contractor shall be responsible for removing any construction related debris by the end of each work day
- Maintenance of Traffic:
  - o Contractor shall submit a Maintenance of Traffic Plan to the Indian River County Traffic Division for approval
  - o The Maintenance of Traffic Plan shall meet the FDOT index 600, January 2018 Edition and shall be signed and sealed by a Florida P.E.
- Late Season Sea Turtle Nesting and Nest Relocation:
  - o Nests laid within the project are as of August 27, 2021 have been relocated to one of two locations (N or S of project area). Relocations will occur until nesting is complete.

*Eric Charest explained further that sea turtle nests between R-Monument 40, 500' and R-48 were the only areas where the County was having sea turtle nests*

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*relocated, and therefore would need to be the area focused on by the successful contractor to start the nourishment project.*

- Late Season Nest Monitoring will occur until all nesting is complete. Regular coordination with the County's Marine Turtle Permit Holder is necessary until all nest evaluations are complete.
- The Contractor is required to submit the Daily Reports by noon the following day to the County and Engineering Consultant. Failure to do so could result in work shutdown at the Contractor's expense.

*Eric Charest added emphasis to the importance of adhering to the daily report submittal schedule, and that work shutdowns were a real possibility should the successful contractor not meet the report submittal deadlines.*

## **PROJECT TECHNICAL DISCUSSION – Nicole (APTIM)**

- Project Construction Schedule
- Project Construction Access and Staging Areas (Map and Plans)

*Nicole Sharp identified the 3 access points for the project as Wabasso Beach Park, Sea Grape Beach Access and Turtle Trail Beach Access.*

- **Due to sea turtle nest relocations, all mobilization/work must begin from Wabasso Beach Park between R-40, 500' and R-48**
- Project Specifications (Surveys, Outfalls, Buildings, Limit of Fill, Daily Report)

*Nicole Sharp stated that not all properties within the Sector 3 Phase 2 project area had signed easements allowing for the work to be performed on their property, and that the successful contractor would be responsible for not placing fill on those properties without a signed easement, as well as not traversing landward of the Erosion Control Line or Mean High Water Line on those properties.*

- Project SOW (Bid Items)

*Nicole Sharp made note of all the requested bid submittal items that are required.*

- Sediment QA/QC Plan

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*Nicole Sharp made note that the conversion factor from cubic yards to tons was a 1.5 multiplier.*

## **QUESTIONS AND COMMENTS**

- Q - **Based on the required daily submittals, how many truck haul tickets will need to be supplied by the sand supplier?**
- A - *The County/Engineer will accept electronic tickets, with the Contractor being required to maintain an inventory of the tickets daily. Arrangements with requirements for the truck haulers to maintain tickets will be worked out between the contractor/sand source and truck hauler.*
- Q - **Section 1.3 under Technical Provisions states a 150-day timeframe for project completion, yet the pre-bid meeting notes identifies a shorter, 130-day timeframe for final completion. Which one is correct?**
- A - *150 days*
- Q - **If the contractor shuts down operations for recognized holidays, will the days be added to the end of the contract terms?**
- A - *Please refer to Contract Specifications General Provision GP 17.3 titled "Holidays".*
- Q - **Contractors are aware of the recommencement phase for the incomplete Sector 3, Phase 1 project, and the demand on resources to complete that job (sand, trucks, etc.). Will the County allow for any additional time due to this?**
- A - *The timeline set forth in the Sector 3, Phase 2 project is adequate to complete the project, even if competition for resources takes place.*
- Q - **Will Saturday work be allowed?**
- A - *Please refer to Contract Specifications General Provision GP 17.1 titled "Upland Sand Source Project Time" or GP 17.2 "Offshore Sand Source Project Time".*
- Q - **Contractors are aware of the prior bid in which the initial award was not accepted by the contractor, and the subsequent rebid which put a tight crunch on a timeframe for project completion. What actions does the County have in place to prevent this from occurring again?**
- A - *Per Indian River County Purchasing Manual, Section 4.3, Award of Bid: Award Authority. A bid shall be awarded by written notice to the lowest responsible and responsive bidder. Awards exceeding \$75,000 shall be awarded by the Board. The Board is authorized to waive technicalities and irregularities and to reject any and all bids, or*

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*any portion of a bid. After an award is made, the Purchasing Manager shall issue a purchase order or a "Notice of Award" as applicable. If, within 60 days after bids are opened, or **within such other time period specified in the bid documents**, the bid of the lowest responsible and responsive bidder is withdrawn or not honored, the County may award the bid to the next lowest responsible and responsive bidder. After 60 days or **such other time period specified in the bid documents**, the Board may award to the next lowest responsible and responsive bidder only if the next lowest responsible and responsive bidder agrees, in writing, to extension of the bid price for the additional period of time. These processes may be repeated until an award is made to a responsible and responsive bidder.*

*Sections 00100 and 00310 of the bid documents require bidders to honor their bids for 90 days.*

Q- **Where is the list of Pre-Approved Sand Sources?**

A- *Pre-Approved sand sources are found in the FDEP Permit #0285993-009-JC for the project included in Appendix A of the bid document.*

The pre-bid meeting ended at 14:28.

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BID 2021050 QUESTIONS RECEIVED THROUGH 08/27/2021

Q- **In sections 16.5.2 and 12.5.2 it states “Unvegetated areas for pedestrian access across dunes shall be roped off by the CONTRACTOR to prevent trampling of plants. The CONTRACTOR shall furnish and install rope and wood posts at the expense of the CONTRACTOR.”**

**What are the specs for the post and rope?**

A- *The wooden posts used to create the post and rope fencing shall be 4x4 posts and 7 feet in length. The posts shall be pressure treated southern pine #2, surfaced to be peeled and de-barked, or better. The minimum retention of the CCA shall be 0.40 pcf. All cuts and drill holes shall be treated according to AWPA standard M4-91.*

*The ropes between the fence posts shall be ¾ inch tan/beige polypropylene rope. The rope shall be heat treated to seal the ends and prevent the rope from becoming unraveled. Knots will be used to secure the ends of the ropes in the fence. Ropes established between fence posts will not sag, but will be taut, threaded through the one (1) inch holes drilled into the wooden posts. Ropes will be approximately parallel to the ground.*



**PRE-BID MEETING SIGN-IN SHEET**  
**INDIAN RIVER COUNTY ENGINEERING**  
**INDIAN RIVER COUNTY ADMINISTRATION BUILDING**  
**SECTOR 3 (PHASE 2) BEACH AND DUNE RESTORATION PROJECT**

August 26, 202 at 2:00 P.M.

NAME	COMPANY & ADDRESS	PHONE # / FAX # / CELL #	EMAIL ADDRESS
Kylie Ariotti	IREC	772-538-9817	kariotti@iregov.com
Eric Charest	IREC	772-226-1569	echarest@iregov.com
Runtin Bergman	IREC	772-532-8833	rbergman@iregov.com
Nicole Sharp	APTIM	561-361-3150	nicole.sharp@aptim.com
Amanda Stewart	Stewart Materials	(772)971-6575	Amanda@StewartMaterials
Michelle Ellison	KSM ENGINEERING	772-589-5712	Michelle@KSMENGINEERING.com
Bill Ecker	STEWART MATERIALS	772 360 8711	Bill@StewartMaterials.com
Ray Luke	SIBAUER	561-722-0857	Ray@SIBAUER.com
Bill Yoder	Ranger	772-464-6460	bill.yoder@rangerconstruction.com
Sean Hamnair	Eastman	954-328-0808	Sean@eastmanag.com
Tommy King	R.O-B&K	561-718-8211	Tommy@ro-b&k.com
Andrew Podoloff	Down to Earth	949-241-2202	Andrew.Podoloff@downtoearthinc.com
Molly Klinepeter	IREC	772-226-1051	MKlinepeter@iregov.com

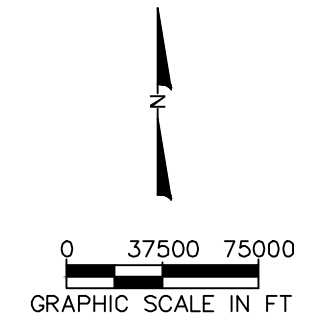
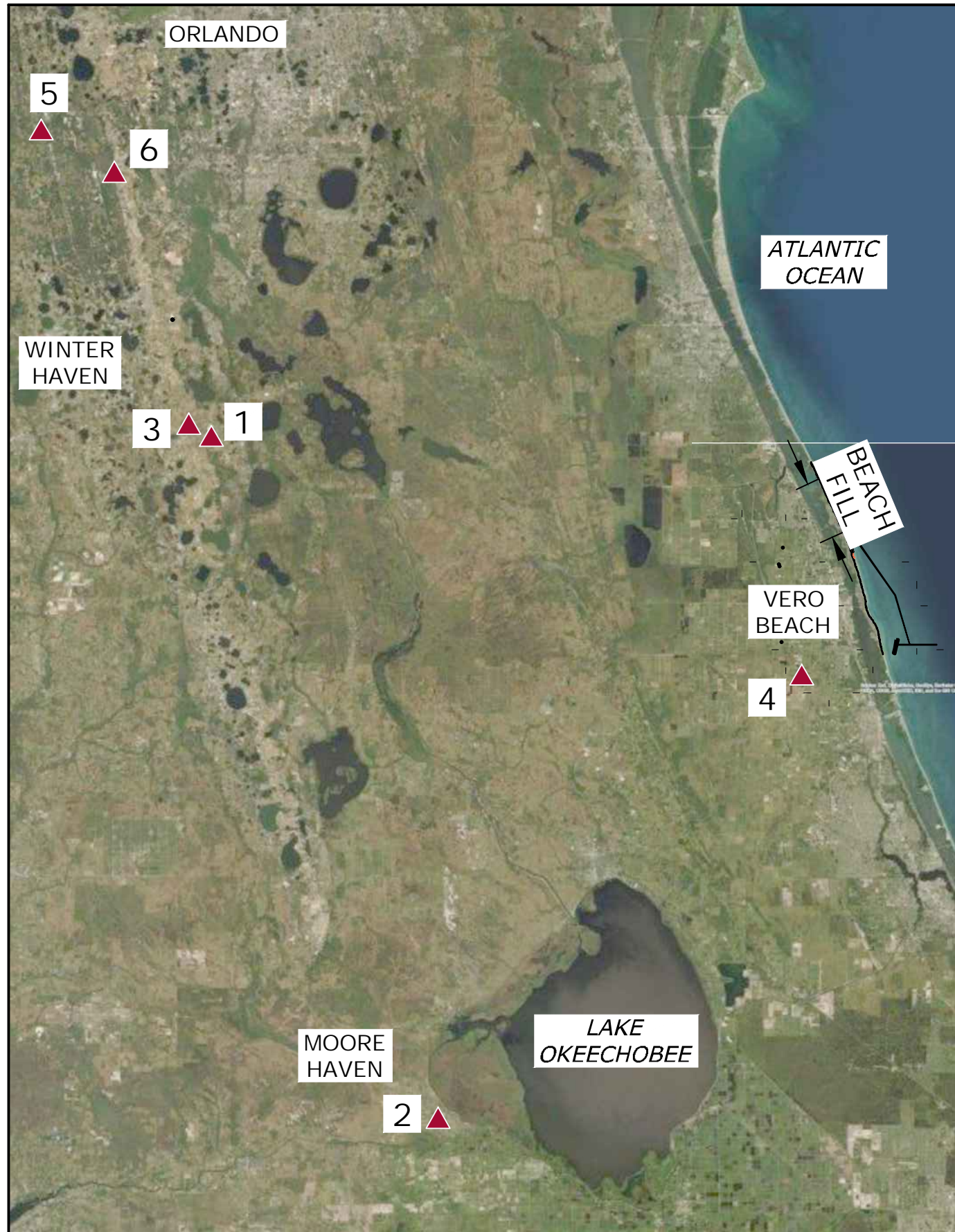
August 26<sup>th</sup>, 2021

### Sector 3 Beach and Dune Restoration Project (Phase 2)

#### Pre-Bid Meeting

#### Sign - In Sheet

Name	Company	Contact Info
Keith Lindsay	Weeks Marine	KWLindsay@weeksmarine.com
Andrew Funke	Weeks Marine	
Sergio Covarrubias	Manson Construction	SCovarrubias@mansonconstruction.com
Steve Holland	Down to Earth Landscape	steveholland@down2earthinc.com
Tanya Lukowiak	Earth Balance	tlukowiak@earthbalance.com



- UPLAND SAND SOURCES**
1. VULCAN – DIAMOND MINE  
205 STORY ROAD  
LAKE WALES, FL 33898
  2. VULCAN – WITHERSPOON MINE  
7425 W. STATE ROAD 78  
MOORE HAVEN, FL 33471
  3. VULCAN – SANDLAND MINE  
2200 BURNS AVENUE  
LAKE WALES, FL 33898
  4. STEWART – FORT PIERCE MINE  
13575 INDRIO ROAD  
FORT PIERCE, FL 34945
  5. JAHNA – INDEPENDENT MINE  
8455 COUNTY ROAD 474  
CLERMONT, FL 34714
  6. JAHNA – GREEN BAY MINE  
4949 SAND MINE ROAD  
DAVENPORT, FL 33897

**NOTES:**  
1. AERIAL PHOTOGRAPHY: JANUARY 2020

**CERTIFICATION:**  
I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH  
THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

DOUGLAS W MANN, P.E. NO. 44046 \_\_\_\_\_ DATE \_\_\_\_\_

**APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC**  
PH. (561) 391-8102  
FAX (561) 391-9116  
C.O.A. FL. #9317  
C.O.A. LA. #2531

6401 CONGRESS AVENUE, SUITE 140  
BOCA RATON, FLORIDA 33487  
www.APTIM.com

REVISIONS	No.	Date	Description

Checked by:	NS	Reviewed by:	CP	Submitted by:	CP	Comm. No.:	631235714
Designed by:	CP	Drawn by:	KC	Date:	08/20/21	Proj. Scale:	AS NOTED

Reference Files:

SECTOR 3  
BEACH AND DUNE RENOURISHMENT PROJECT  
CONSTRUCTION PLANS  
INDIAN RIVER COUNTY, FLORIDA  
PROJECT OVERVIEW  
APPROVED UPLAND SAND SOURCES

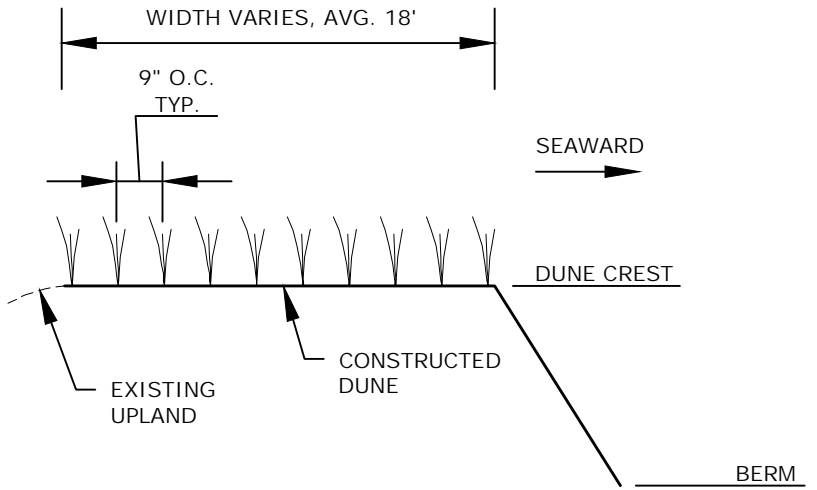
DRAWING NO.

OV-1

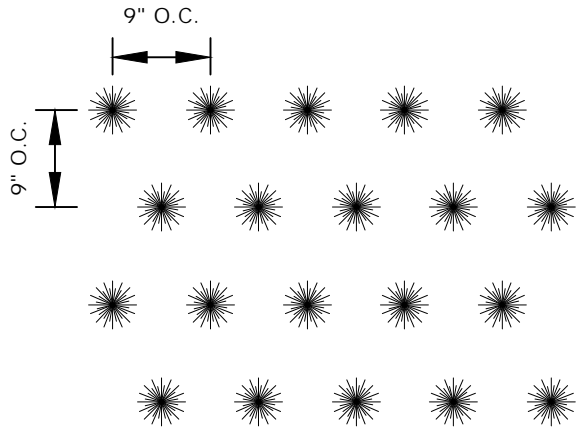
SHEET 5 OF 44

D:\Users\BWA\2017 - Sector 3\W88 Construction\North Services\87015994\CONSTRUCTION\87015994\_01-1.dwg - Aug 22, 2021 10:46am - Julia B. Bant

PLANTING DETAIL					
PLANT TYPE	SCIENTIFIC NAME	PERCENT DISTRIBUTION	QUANTITY (APPROX.)	SIZE	SPACING
SEA OATS	UNIOLA PANICULATA	80% to 85%	242,256	LINER	9" O.C.
BITTER PANICGRASS	PANICUM AMARUM	10% TO 15%	30,282	LINER	9" O.C.
RAILROAD VINE	IPOMOEA PES-CAPRAE	5% TO 8% (RELATIVELY EQUAL ABUNDANCE OF EACH)	15,141	LINER	9" O.C.
DUNE SUNFLOWER	HELIANTHUS DEBILIS		15,141	LINER	9" O.C.



TYPICAL DUNE PLANTING  
CROSS SECTION  
NOT TO SCALE



TYPICAL DUNE PLANTING  
STAGGERED LAYOUT  
NOT TO SCALE

**NOTES:**

- CONTRACTOR SHALL FIELD LOCATE DUNE AREA PRIOR TO PLANTING. TEMPORARY STAKES DENOTING SEAWARD LIMITS SHALL BE PROVIDED. CONTRACTOR SHALL OBTAIN APPROVAL OF LOCATION FROM COUNTY OR ENGINEER PRIOR TO PLANTING.
- PLANTS SHALL BE INSTALLED FOLLOWING GOOD HORTICULTURE PRACTICES WITH A SLOW RELEASE FERTILIZER IN EACH HOLE.
- CONTRACTOR SHALL PROVIDE INITIAL WATERING. CONTRACTOR SHALL COORDINATE WITH COUNTY REGARDING USE OF LOCAL COUNTY SOURCES, OTHERWISE CONTRACTOR SHALL PROVIDE WATER. CONTRACTOR SHALL PROVIDE SUPPLEMENTAL WATERING AS NEEDED FOR 30 DAYS DEPENDING ON RAINFALL. AT END OF 30 DAYS, CONTRACTOR SHALL PROVIDE COUNTY WITH WRITTEN WATERING INSTRUCTIONS.
- CONTRACTOR SHALL WARRANTY PLANTS AT THE FOLLOWING SCHEDULE:

0-30 DAYS	100% SURVIVING
30-90 DAYS	80% SURVIVING
- CONTRACTOR SHALL MONITOR PLANTING MONTHLY FOR 3 MONTHS. AT THE END OF 3 MONTHS, A SUMMARY REPORT OF SURVIVAL AND RECOMMENDATION FOR MAINTENANCE SHALL BE PROVIDED TO COUNTY.
- ALL DUNE VEGETATION WORK SHALL BE IN COMPLIANCE WITH ALL FDEP PERMIT REQUIREMENTS.
- NO EXISTING VEGETATION TO BE REMOVED.
- THE ROOT BALL FOR BOTH GRASSES SPECIES SHALL BE NO LESS THAN 1" X 1" X 2.5" DEPTH. THE ROOT BALL FOR THE THREE GROUND COVER SPECIES SHALL BE NO LESS THAN 1.5" X 1.5" X 2.5" DEPTH.
- UNIOLA PANICULATA LINERS SHALL BE MULTI-STEMMED PLANTS (AT LEAST 2 STEMS). IPOMOEA PES-CAPRAE LINERS SHALL BE MULTI-STEMMED PLANTS (AT LEAST 2 STEMS). HELIANTHUS DEBILIS LINERS SHALL BE MULTI-STEMMED PLANTS (AT LEAST 2 STEMS). PANICUM AMARUM LINERS CAN BE SINGLE-STEMMED PLANTS. THE PLANT MATERIAL IN EACH LINER CONSTITUTES ONE DUNE GRASS PLANT, REGARDLESS OF THE NUMBER OF VIABLE STEMS IN THE LINER.
- THE LINERS FOR BOTH GRASSES SPECIES SHALL BE NO LESS THAN 12' TALL FROM THE TOP OF THE ROOT BALL TO THE TIP OF THE LONGEST LEAVE. THE LINERS FOR ALL THREE SPECIES OF GROUND COVERS SHALL BE NO LESS THAN 6" TALL FROM THE TOP OF THE ROOT BALL TO THE TIP OF THE LONGEST LEAVE.

**CERTIFICATION:**  
I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

DOUGLAS W MANN, P.E. NO. 44046 \_\_\_\_\_ DATE \_\_\_\_\_

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC

PH. (561) 391-8102 FAX (561) 391-9116 C.O.A. FL. #9317 C.O.A. LA. #2531

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REVISIONS	BID ADDENDUM #1	Description
1	10/2/19	

Checked by:	NS	Reviewed by:	CP	Submitted by:	CP	Comm. No.:	631235714
Designed by:	CP	Drawn by:	CP	Date:	08/20/21	Proj. Scale:	AS NOTED

SECTOR 3 BEACH AND DUNE RENOURISHMENT PROJECT CONSTRUCTION PLANS INDIAN RIVER COUNTY, FLORIDA DUNE PLANTING DETAILS

DRAWING NO. D-2 SHEET 42 OF 44

P:\19\190810\190810.dwg - 10/2/2019 10:52:19 AM - 10/2/2019 10:52:19 AM - J. Mann - J. Mann