PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date:	February 8, 2022	(X) Consent () Workshop	()Regular ()Public Hearing
Department:	Environmental Resource	es Management	
	I. EXECUT	IVE BRIEF	
the Palm Beach Contract (Federa Corporation (Rio- restoration service	Staff recommends mot County (PBC) Dune and Ilized), Project No. 20 Bak) at a cost not to design for the North County Dune Restoration (Project)	d Beach Restoration 021ERM01 (R2021-0 exceed \$1,395,940.4 Comprehensive Shor	Annual Construction 0511), with Rio-Bak to providing for dune re Protection Project -
Contract (R2021-Cauthorize the cons PBC Beach Impro- Hurricane Dorian (Jupiter (\$139,594) preferences in con- of Equal Business Glades Resident competitive solicite	pril 20, 2021, the Board 5511) with Rio-Bak, a PB truction of the beach dune wement Fund (\$873,632.6 (\$382,713.75), and throug 04). The State and Fed astruction procurements in Sopportunity Program, Lancentive, and Apprentication. The cost to the Cond. District 1 (YBH)	C company. Work (e at the Project. The Final), FEMA disaster as the project of the Final Agree of the Final Agree of the Final Agreements prohotolying federal funds, local Preference, Glace Incentive could not be at the Final Agreement of the Final Agr	Order No. 0511-02 will Project is funded by the sistance in response to ement with the Town of hibit local geographical, so the County's Office ides Local Preference, ot be included in this
approximately 1.3 Public Beach Acce to restore the dune the sand. Since 1 been completed v repaired damage damage resulting segment will be re	Justification: The Proje 5 miles of eroded dune bess 35. Construction conse profile and subsequent pages, six dune restoration within the Project area. sustained from Hurricane from Hurricane from Hurricane complete, to of the coastline.	etween the southern sists of the placement planting of native dune projects totaling 25,3 The most recent project Irma. The current project will be to siste the project will be the siste of the project will be the siste of the	limit of Carlin Park and of 35,300 tons of sand evegetation to stabilize 200 tons of sand have ect completed in 2020 project will repair storm the first time the entire
Attachments: 1. Work Order No 2. Project Map	. 0511-02 with Attachmer	nts 1 - 3	
Recommended b	py: <u>908 you Medical</u> Department Director	Stell for	////2z Date
Approved by:	Assistant County Ad	ministrator	1/18/22 Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years		<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>
Capital Expe	enditures <u>\$ 1</u>	,395,940				
Operating C	osts					
External Rev	venues (S	\$ 522,307)				
Program Inc	ome (Count	y)				
In-Kind Mate	ch (County)					
NET FISCAL	. IMPACT	\$873,633			-	
# ADDITION POSITIONS)				
Is Item Inclu	ded in Curre	ent Budget? (I	Vlatch)	Yes X	No	
Does this ite	em include t	he use of fede	eral funds?	Yes X	No	
Budget Acc	ount No.:	Fund <u>3652</u>	Department	381 Units <u>N</u>	//053 Object	4630
B. C.	Work Order FEMA Hurri Interlocal Ag PBC Beach	cane Dorian A greement, Tow Improvement t Fiscal Revie	ssistance n of Jupiter Fund	\$ 382,713 \$ 139,594 <u>\$ 873,633</u> \$ 1,395,940		
A.	OFMB Fisc	al and /or Cor		-	Comments:	
В.	OFMB CH	1.12.23 Polos		A. J.	pment and (ontrol 122
C.		County Attorn		8/2022		
.	Departmen					

ATTACHMENT 1

WORK ORDER ANNUAL CONTRACT (FEDERALIZED)

PROJECT NAME: Palm Beach County Dune and Beach Restoration Annual Contract (Federalized)
PROJECT NO.: 2021ERM01 CONTRACT RESOL. NO.: R2021-0511
DEPARTMENT: Environmental Resources Management (ERM)
WORK ORDER ERM PROJECT MANAGER: Reubin Bishop
WORK ORDER PROJECT NAME: North County Comprehensive Shore Protection Project (NCCSPP) - 2022 Segment 2 Dune Restoration
WORK ORDER PROJECT LOCATION: NCCSPP - 2022 Segment 2 Dune Restoration Project is located in Jupiter Florida, at 1600 South A1A, Jupiter, Florida 33477, extending 2,175 feet north and 4,930 feet south from the Jupite Reef Club, beside the Atlantic Ocean between FDEP reference monuments T-19 and T-26. Latitude: 26° 54' 49" N Longitude: 80° 03' 49" W.
WORK ORDER NO.: 0511-02 COMM. DISTRICT NO.: 1
BUDGET LINE ITEM: 3652-381-M053-4630 S039 CJUP - 0/2
[Fiscal approval of Budget Availability: Mehry 1/10/22]
TO: Rio-Bak Corporation 12773 W. Forest Hill Blvd., Suite 210 Wellington, FL 33414

SCOPE OF WORK: In accordance with the terms of your Contract dated <u>April 20, 2021</u>, with Palm Beach County, a Political Subdivision of the State of Florida, you are directed to perform the following work:

Furnish all materials, labor, supervision, equipment, supplies, fees, expertise, and services necessary for the construction of the NCCSPP - 2022 Segment 2 Dune Restoration Project. Work consists of the purchase, transport, and placement of sand per the direction of Plan-Sheets (Attachment 2) dated December 3, 2021, which are incorporated by reference herein.

The above work shall be performed between <u>FDEP Reference monuments T-19 and T-26</u>, in accordance with the Contract, including the Federal Requirements in the Supplemental General Conditions, FDEP Permit No. 0303863-006-JM and USACE Permit No. SAJ-2017-00019(SP-LCK), provided separately to Rio-Bak, and, these attachments, which are incorporated herein, including Plan-Sheets (Attachment 2) dated <u>December 3, 2021</u>.

The total amount of this Work Order, at the contract prices, shall not exceed \$1,395,940.40, as identified in the attached Work Order Bid Schedule (Attachment 1) dated January 4, 2022.

The Work shall be Substantially Complete within <u>sixty (60)</u> calendar days after the Commencement Date. This time includes <u>three (3)</u> calendar days for Inclement Weather. <u>No operation, transportation, or storage of equipment or materials is authorized seaward of the dune crest after April 15, 2022.</u> The Commencement Date and the deadline for Substantial Completion shall be provided by the County in the Notice to Proceed.

The Liquidated Damages assessed for completion after Substantial Completion or Final Completion is: \$750.00/day.

Progress Payment Retainage shall be held in the amount of 5% of the Total Complete.

The Contractor shall name the following as additional insured: Palm Beach County.

The permitted hours for construction work during the months of February through April 15 are from 7am to 5pm, Monday through Friday.

This Work is funded in part or in whole by: <u>Palm Beach County Beach Improvement Fund</u>, <u>FEMA disaster assistance in response to Hurricane Dorian</u>, and <u>Town of Jupiter</u>.

E-Verify requirements <u>do</u> apply. Federal Requirements listed in the Contract <u>do</u> apply.

(REMAINDER OF PAGE LEFT INTENTIONALLY BLANK)

ATTEST: JOSEPH ABRUZZO CLERK & COMPTROLLER	FOR: PALM BEACH COUNTY, FLORIDA, a Political Subdivision of the State of Florida, By and Through Its BOARD OF COUNTY COMMISSIONERS
Deputy Clerk	BY:Robert S. Weinroth, Mayor
Deputy Clerk	Robert S. Wennoui, Mayor
(Seal)	DATE:
APPROVED AS TO FORM AND LEGAL SUFFICIENCY:	APPROVED AS TO TERMS AND CONDITIONS:
Assistant County Attorney	Deborah Drum, Director Dept. of Environmental Resources Mgmt.
CONTRACTOR AFFIDAVIT AND RE	CEIPT OF WORK ORDER:
	der documents, including its attachments and Plans, for the aboves and conditions affecting the Work, and confirming that the site(s)
(Name of Person)	on $\frac{\frac{12}{z7}}{21}$, (Date)
the undersigned hereby declares that we have made a full of supply of materials. Please indicate originals.	have carefully and to our full satisfaction examined the Work Order examination of the locations of the proposed Work and the source your receipt of this Work Order by signing and returning two
	BY:
NON MARKET	Thomas T. King, Jr.
(Corporate Seal)	Name
25.52 19.00 10.00	Vice President
	Title
0/2	Rio-Bak Corporation Contractor Name
Attachments: Work Order Bid Schedule (Plan-Sheets (Attachment 2) Contract History (Attachment	

c: Clerk Finance ERM FSS

RIO-BAK CORPORATION 12773 W. FOREST HILL BLVD., SUITE 210 WELLINGTON, FL 33414

ATTACHMENT 1 page 1 of 1

DEPT. OF ENVIRONMENTAL RESOURCES MGMT. 2300 NORTH JOG ROAD, 4TH FLOOR WEST PALM BEACH, FL 33411

1/4/2022

TOTAL PRICE: \$ 1,395,940.40

PBC DUNE AND BEACH RESTORATION ANNUAL CONTRACT (FEDERALIZED) PROJECT NO. 2021ERM01 WORK ORDER #0511-02 BID SCHEDULE

NCCSPP - 2022 SEGMENT 2 DUNE RESTORATION PROJECT

Total haul route mileage (Stewart Materials):

61.6

	BASE BID ITEMS	QUANTITY	UNIT	UNIT COST		PRICE
1 2 3 6 7 8	SUPPLY SAND TRANSPORT AND DELIVERY - FILL (FIRST TON MILE) TRANSPORT AND DELIVERY - FILL (ADDITIONAL TON MILE) BEACH PLACE AND GRADE (<1000' FROM ACCESS) BEACH PLACE AND GRADE (1000'-2000' FROM ACCESS) BEACH PLACE AND GRADE (2000'-3000' FROM ACCESS)	35,300 35,300 2,139,180 16,700 7,800 4,600	TON TON-MILE TON-MILE TON TON TON	15.00 1.33 0.24 3.60 4.00 4.50	* * * * * *	529,500.00 46,949.00 513,403.20 60,120.00 31,200.00 20,700.00
9 10 15 16 17	BEACH PLACE AND GRADE (>3000' FROM ACCESS) SITE PREPARATION & RESTORATION DEBRIS REMOVAL MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC CERTIFIED SAND QUALITY TESTING	6,200 2 40 1 50	TON CONSTRUCTION ACCESS TON WORK ORDER SAMPLING EVENT	11.00 4,500.00 90.00 6,000.00 254.80 SUBTOTAL:	\$ \$ \$ \$ \$	9,000.00 3,600.00 6,000.00 12,740.00
3 A	ALTERNATE BID ITEMS TEMPORARY ROAD MAT SYSTEM	12	10 MATS/WEEK	4,000.00	\$	48,000.00
6A	PRE-/POST-CONSTRUCTION SURVEY	15	TRANSECT	3,101.88 SUBTOTAL:	\$	46,528.20 94,528.20

ATTACHMENT 2 page 1 of 10

CONSTRUCTION DRAWINGS

FOR

NORTH COUNTY COMPREHENSIVE SHORE PROTECTION PROJECT, SEGMENT II 2022 DUNE RENOURISHMENT

PREPARED FOR:
PALM BEACH COUNTY DEPARTMENT OF
ENVIRONMENTAL RESOURCES MANAGEMENT
2300 NORTH JOG ROAD, 4TH FLOOR
WEST PALM BEACH, FL 33411-2743

PREPARED BY
OLSEN ASSOCIATES, INC.
2618 HERSCHEL STREET,
JACKSONVILLE, FL 32204
COA# 3491

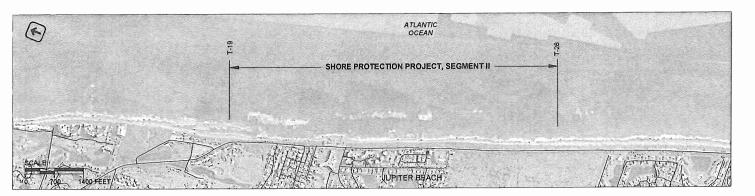


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- 1. LOCATION & CONTROL
- 2. WAVE-TIDE DATA
- PROJECT OVERVIEW
- DUNE FILL PLAN
- DUNE FILL PLAN
- DUNE FILL PLAN
- DUNE FILL SECTIONS
 DUNE FILL SECTIONS
- 9. CONSTRUCTION STAGING/ACCESS





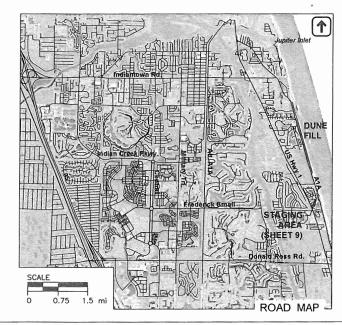
v1.0 12/03/2021

ISSUE DATE

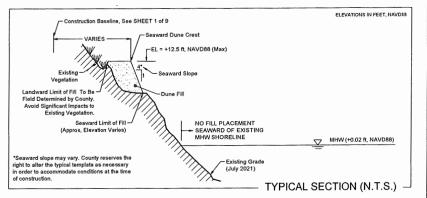


Construction Template Control					
		Seaward Dune Crest (EL = +12.5ft)	Vegetation Line (Approx)		
Monument	Station	[Feet from CBL]	July 2021 survey		
T-19	0+00	40.8	20.0		
R-21	12+07.6	41.9	17.8		
	21+58.1	NO FILL			
R-21	24+98.7	(Limit to be Field Determined)	Existing Seawall		
	27+53.5	(Umit to be rield betermined)			
T-22	35+05.1	69	44.0		
T-23	45+53.2	27.3	31.4		
T-24	55+88.9	52.2	34.9		
T-25	67+03.0	51.7	36.3		
T-26	76+82.5	76.6	59.7		

	FDEP RANGE MONUMENT PROFILE CONTROL					
MONUMENT NAME	DATE PUBLISHED	NORTHING NAD83/90	EASTING NAD83/90	AZIMUTH	ELEVATION NAVD88	
T-19	Oct-77	943,958.48	959,812.07	85	15.9	
R-20	Jun-89	942,786.25	960,083.92	85	21.85	
R-21	Jun-89	941,570.66	960,608.16	80	10.63	
T-22	Oct-77	940,578.69	960,742.38	80	21.6	
T-23	Oct-77	939,580.34	961,072.50	75	22.37	
T-24	M&E1999	938,567.72	961,294.82	75	23.23	
T-25	Oct-77	937,515.76	961,673.13	75	24.13	
T-26	MMM19YY	936,576.43	961,907.13	85	25.53	
T-27	M&E1999	935,639.95	962,198.68	75	20.13	
R-28	JUN 1989	934,569.59	962,540.61	80	19.96	
R-29	JUN 1989	933,647.68	962,895.84	80	22.45	
R-30	MAR1974	932,592.86	963,188.95	80	21.38	



Construction Baseline				
Station Northing (Ft, NAD83) Easting (Ft, NAI				
0+00	943,961.02	959,841.11		
12+07.6	942,791.25	960,141.09		
35+05.1	940,586.68	960,787.65		
45+53.2	939,594.70	961,126.09		
77+00	936,565.36	961,977.89		



NOTES:

NOISS:

1. AERIAL IMAGE DATE: APRIL 2021 (Neormop).

2. HORIZONTAL CONTROL IS FEET, STATE PLANE FLORIDA EAST ZONE, NADB3.

3. VERTICAL CONTROL IS IN FEET, REFERENCE TO NAVOBB.

4. DUNE FILL SCHEDULE REPRESENTS CONDITIONS AS OF JULY 2021. DUNE FILL VOLUME DISTRIBUTION AND CROSS—SECTIONAL GEOMETRY MAY BE FIELD MODIFIED BY PALM BEACH COUNTY BASED UPON CONDITIONS PRESENT AT THE TIME OF CONSTRUCTION.

	REVISIONS		
LTR	DESCRIPTION	BY	DATE

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associates, Inc. coastal engineering 2518 Harschol Syred	L

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associates, inc. coastal engineering	DRAWN BY:	ML	DATE:	12/03/2021
Tel. (904) 387-6114 CDA. 0003491	CHECKED BY:	SCH	DATE:	12/03/2021

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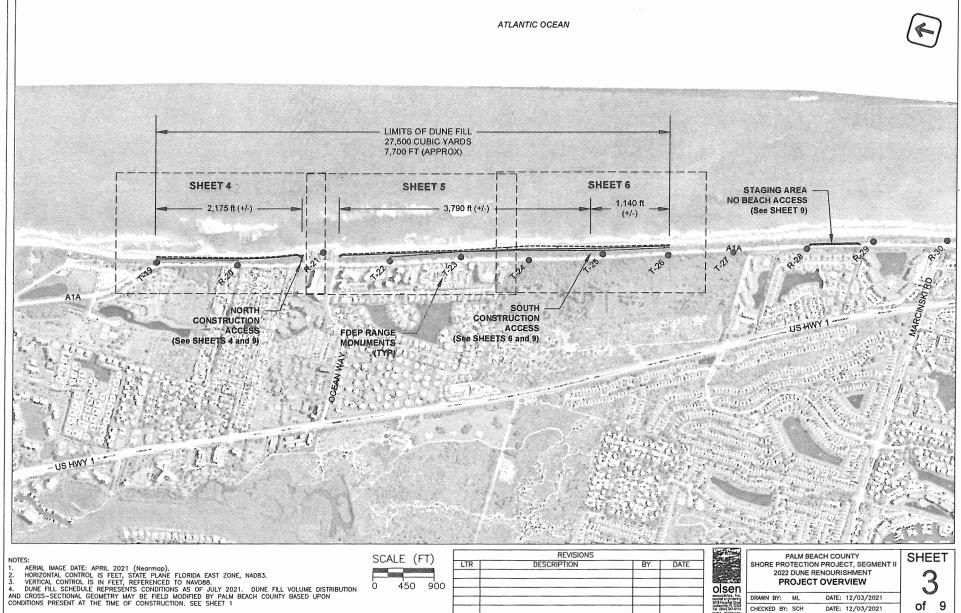
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LTR	DESCRIPTION	BY	DATE

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associates, inc. coastal engineering 2618 Hanchel Street Jackstowie, R. 1224 Tel. (1904) 387-6114	-

PALM BEACH COUNTY	
HORE PROTECTION PROJECT, SEGMENT	II
2022 DUNE RENOURISHMENT	
WAVE-TIDE DATA	

 DRAWN BY:
 ML
 DATE:
 12/03/2021

 CHECKED BY:
 SCH
 DATE:
 12/03/2021



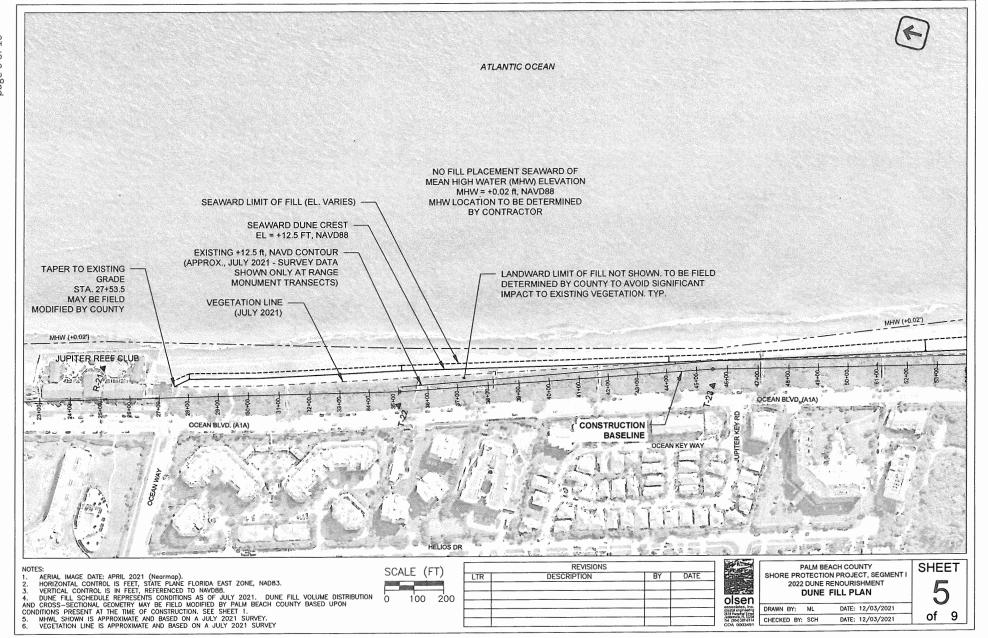
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	ociates, Inc.	DE

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NOTES:

1. AERIAL IMAGE DATE: APRIL 2021 (Neormap).

2. HORIZONTAL CONTROL IS FEET, STATE PLANE FLORIDA EAST ZONE, NADB3.

3. VERTICAL CONTROL IS IN FEET, REFERENCED TO NAVDEB.

4. DUNE FILL SCHEDULE REPRESENTS CONDITIONS AS OF JULY 2021. DUNE FILL VOLUME DISTRIBUTION AND CROSS—SECTIONAL GEOMETRY MAY BE FIELD MODIFIED BY PALM BEACH COUNTY BASED UPON CONDITIONS PRESENT AT THE TIME OF CONSTRUCTION. SEE SHEET 1.

5. MHML SHOWN IS APPROXIMATE AND BASED ON A JULY 2021 SURVEY.

6. VEGETATION LINE IS APPROXIMATE AND BASED ON A JULY 2021 SURVEY. SHEET DESCRIPTION BY DATE SHORE PROTECTION PROJECT, SEGMENT 2022 DUNE RENOURISHMENT

DUNE FILL PLAN

DRAWN BY: ML

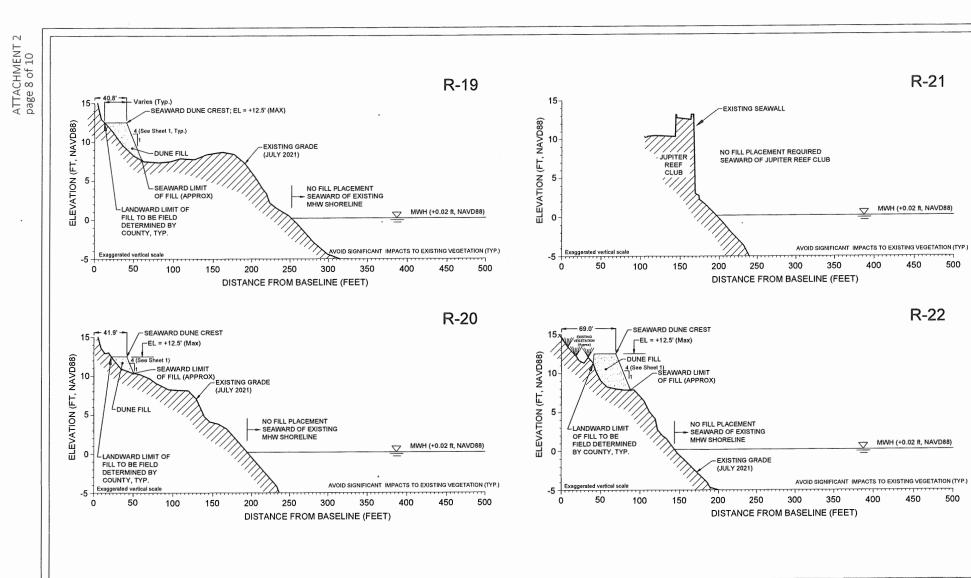
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NOTES:

1. HORIZONTAL CONTROL IS FEET, STATE PLANE FLORIDA EAST ZONE, NADB3.

2. VERTICAL CONTROL IS REFERENCED IN FEET TO NAVOBB.

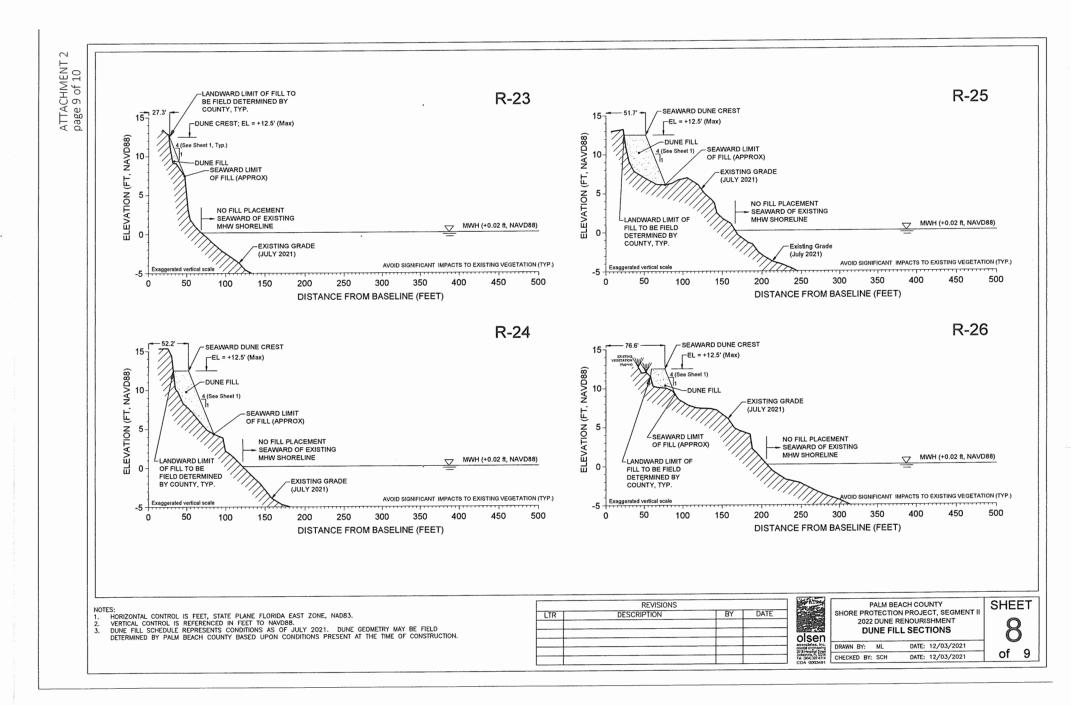
3. DUNE FILL SCHEDULE REPRESENTS CONDITIONS AS OF JULY 2021. DUNE GEOMETRY MAY BE FIELD DETERMINED BY PALM BEACH COUNTY BASED UPON CONDITIONS PRESENT AT THE TIME OF CONSTRUCTION.

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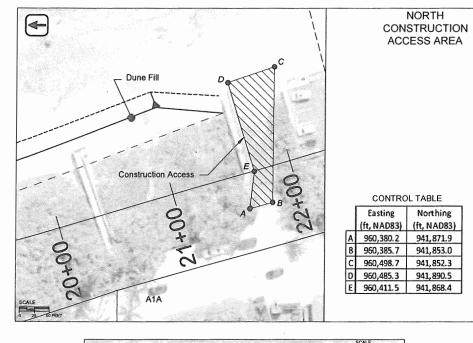
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saccistes, inc.	DRAWN BY:	ML
t (904) 387-6114	CHECKED BY:	SCH

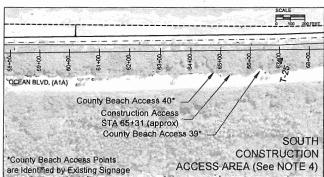
	PALM BEACH COUNTY SHORE PROTECTION PROJECT, SEGMENT II 2022 DUNE RENOURISHMENT DUNE FILL SECTIONS		
	DRAWN BY:	ML	DATE: 12/03/2021
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SHEET

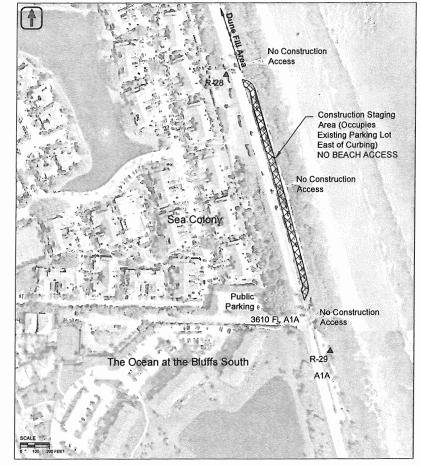


ATTACHMENT 2 page 10 of 10





CONSTRUCTION STAGING AREA (NO ACCESS)



TES:

AERIAL IMAGE DATE: APRIL 2021 (Neormap).

HORIZONTAL CONTROL IS FEET, STATE PLANE FLORIDA EAST ZONE, NADB3.

COUNTY BEACH ACCESS POINTS AFTER SHOWN FOR REFERENCE. NO CONSTRUCTION ACCESS UNLESS APPROVED BY COUNTY.

AS OF THE DATE OF THESE DRAWINGS, THE SOUTH CONSTRUCTION ACCESS HAS NOT BEEN SECURED BY THE COUNTY FOR USE IN THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE COUNTY REGARDING BEACH ACCESS TO THE PROJECT SOUTH OF THE JUPITER REEF CLUB (R-21, see SHEET 5) PRIOR TO SUBMITTING A PROPOSAL/BID/ESTIMATE FOR THE WORK.

	REVISIONS		
LTR	DESCRIPTION	BY	DATE

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essociates, inc. coastal engineering 2018 Moorbal Street	C
Tel (904) 387-6114	C

S. Ehen.	
1.1 324	PALM BEACH COUNTY
	SHORE PROTECTION PROJECT, SEGMENT II
	2022 DUNE RENOURISHMENT
	CONSTRUCTION STAGING/ACCESS
sen	
lates, inc.	DRAWN BY: ML DATE: 12/03/2021

RAWN BY:	ML	DATE:	12/03/2021	
HECKED BY:	SCH	DATE:	12/03/2021	

SHEET

ATTACHMENT 3 page 1 of 1

CONTRACT HISTORY

Palm Beach County Dune and Beach Restoration Annual Contract (Federalized) **Project Number 2021ERM01** Rio-Bak Corporation (Contractor A)

Contract R2021-0511 dated April 20, 2021 for initial 2 year Term, expires on April 19, 2023 for \$10,124,104.40. Contract Not To Exceed:

\$10,124,104.40

WORK ORDER NUMBER	ACTUAL* TOTAL AMOUNT ACTUAL* TOTAL AMOUNT WORK ORDER DESCRIPTION OS11-01		APPROVED BY / DATE	COMMENCE- MENT DATE	
0511-01			Coral Cove Dune Restoration	BCC 11/2/2021	11/18/2021
0511-01A	1-01A \$0.00 Coral Cove Dune Restoration - Revised Construction Plans and Permit		ERM 12/9/2021	11/18/2021	
0511-02	\$1,395,940.40		North County Comprehensive Shore Protection Project (NCCSPP) - 2022 Segment 2 Dune Restoration	BCC	
A.A.					
				<u> </u>	

Total:

\$3,295,704.40

Contract Balance:

\$6,828,400.00

Report Date:

1/5/2022

^{*} Actual amount expended for completed Work Orders and approved for closeout by Contract Review Committee.

PROJECT MAP

