

RESOLUTION NO. 2021- 406 :

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, APPROVING THE TERMS AND AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO SUBMIT A BUDGET PLAN TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF COASTAL RESILIENCE AND COASTAL PROTECTION, AS REQUIRED TO SUPPORT A LOCAL GOVERNMENT FUNDING REQUEST TO SUPPORT THE NORTH PONTE VEDRA BEACH AND DUNE RESTORATION PROJECT.

WHEREAS, St. Johns County is currently working with the Florida Department of Environmental Protection (FDEP) on the North Ponte Vedra Beach and Dune Restoration Project (the "Project"); and,

WHEREAS, St. Johns County will provide local cost share funding for the Project from a Municipal Service Taxing Unit and the Category V Tourist Development Tax Budget in the Fiscal Year 2022 budget; and,

WHEREAS, St. Johns County will continue to serve as the local sponsor; and,

WHEREAS, the FDEP has begun a new grant cycle and St. Johns County has submitted an annual Local Government Funding Request (LGFR) to the Florida Department of Environmental Protection, Office of Coastal Resilience and Coastal Protection for the State share of the Project cost; and,

WHEREAS, the LGFR application requires a Resolution from the County to affirm the Long Range Budget Plan for the Project; and,

WHEREAS, the FDEP requires an annual contract for its local share, contingent upon annual appropriations by the legislature.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AS FOLLOWS:

Section 1. The above Recitals are incorporated by reference into the body of this Resolution and such Recitals are adopted as findings of fact.

Section 2. A suggested Budget Plan for funding the State's portion of the Project shall be filed with the Florida Department of Environmental Protection, Office of Coastal Resilience and Coastal Protection (the "Department").

Section 3. The County Administrator, or designee, is hereby authorized to submit a proposed Budget Plan to the Department substantially in the form attached and to execute any necessary agreements concerning the beach projects with the Department, upon a finding of legal sufficiency by the Office of the County Attorney.

Section 4. The County Administrator's, or designee's, submission of any budget plan is subject to, and contingent upon, an annual budget appropriation by the Board of County Commissioners.

Section 5. To the extent that there are typographical and/or administrative errors and/or omissions that do not change the tone, tenor, or content of this Resolution, then this Resolution may be revised without subsequent approval of the Board of County Commissioners.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, State of Florida, this 21 day of September 2021.

**BOARD OF COUNTY COMMISSIONERS OF ST.
JOHNS COUNTY, FLORIDA**

By: _____

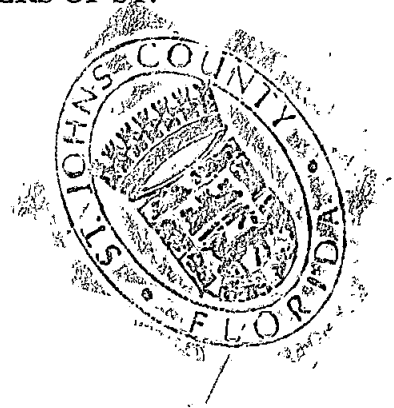
Jeremiah R. Blocker
Jeremiah R. Blocker, Chair

ATTEST: Brandon J. Patty
Clerk of the Circuit Court & Comptroller

By: _____

Sam Halterman
Deputy Clerk

RENDITION DATE 9/21/21





Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application

PART I: GENERAL INFORMATION

Local Sponsor

Federal ID Number (FEID)

Primary Contact Name Title

Mailing Address Line 1

Mailing Address Line 2

City Zip Code Telephone Number

Email Address

Additional Contact Information

PART II: CERTIFICATION

I hereby certify that all information provided with this application is true and complete to the best of my knowledge.

Signature of Local Sponsor Digitally signed by Damon Douglas
Date: 2021.07.30 14:57:13 -04'00'

Electronic or scanned signatures accepted.

Printed Name

Date



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PART III: EVALUATION CRITERIA

1. Project Name: (as listed in the Strategic Beach Management Plan)

North Ponte Vedra Beach and Dune Restoration, St Johns County R-16.4 through R-46.2

2. Project Description: Include county, location with reference to DEP range monuments, brief project history, and description of proposed activities.

St. Johns County has been conducting a locally-funded project since October 28, 2019 consisting of feasibility analyses, permitting, final design and construction for North Ponte Vedra Beach (R-16.4 to R-46), which has experienced significant erosion from hurricanes Matthew and Irma. Work will include a beach management needs assessment, environmental characterization of the beach and offshore, reconnaissance and detailed level borrow area investigations, project alternatives analysis (including cost effectiveness), selection of appropriate beach management alternatives on a reach by reach basis, permitting and final design of the selected alternatives, and construction.

The County has secured and FDEP permit for the work, along with a draft borrow area lease from the Bureau of Ocean Energy Management and a draft permit from the U.S. Army Corps of Engineers.

The Board of County Commissioners allocated \$3,500,000 for the proposed work. The State legislature has matched us \$3,500,000. The Commission has amended the Tourist Development Tax Ordinance to levy an additional 1% tax and a Municipal Service Benefit Unit Ordinance has been enacted to allow for additional funding options. In its FY 2019-2020 budget, the State of Florida appropriated \$500,000 in matching funds for a portion of the \$1,300,000 design and permitting costs.

St. Johns County is asking for monies from the State to fund the \$300,000 gap in expenditures to reach final design, and additional funding for project construction.



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3. Use of Requested Program Funds: Provide a brief description of tasks to be completed in each requested phase (Feasibility, Design, Construction, Monitoring, or USACE Multiphase). Indicate which tasks are cost reimbursement from previous fiscal years.

Funds requested for FY2022/23 will support the final design, construction, and post construction monitoring of the selected beach management action. Post monitoring will include physical monitoring (i.e., collection and analysis of beach and borrow area surveys) and biological monitoring (turtle nest monitoring, beach tilling, and scarp removal) required by FDEP permit 0340616-003-JC.

4. Map: Provide as an attachment. The map(s) of the project area must be formatted at a minimum of 1" = 200' scale and include a compass rose and legend.

Map elements must include:

1. **Project boundary:** DEP reference monuments and shoreline designated as critically eroded
2. **Eligibility:** Indicate lengths of eligible shoreline based on criteria outlined in Chapter 62B-36.007, F.A.C.
 - a. **Beach access locations:** indicate primary or secondary access, and include the shoreline length, number and location of auto parking spaces, mass transit stops, bike parking spaces, and public restroom facilities within 1/4 mile walking distance of each access
 - b. **Public lodging establishments:** include the length fronting the project shoreline, and include the length of street-side frontage for lodging within 1/4 mile walking distance of a secondary beach access location
3. **Recreational benefits:** Comprehensive list of current land use designations of properties fronting the project shoreline
4. **Value of upland property:** Include one-quarter mile buffer and provide a comprehensive list of the values of properties (data from year 2020) that are enclosed or intersected by the buffer. The 2020 property value tax roll data and ArcGIS shapefiles can be obtained from the Department of Revenue website: https://floridarevenue.com/property/Pages/DataPortal_RequestAssessmentRollGISData.aspx. See Guidance Document for more information.

5. Project length: Total restored project length (in feet) of the critically eroded area (as listed in the Strategic Beach Management Plan).

Total project length in critical erosion area =
5,171 ft (R-26 through R-31)



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- 7. Schedule and Budget:** Provide as a separate attachment, if needed. Clearly indicate project phase: Feasibility (F), Design (D), Construction (C), Monitoring (M), or USACE Multiphase (USACE). Include the year of post-construction monitoring in the description.
- **Cost Reimbursement:** Specify eligible costs incurred during the three years prior to the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed (this includes fiscal years 19/20, 20/21, and 21/22). Eligible costs will be added to the current funding request.
 - **Current and Future Costs:** Specify eligible costs for the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed as well as the estimated costs for the next 4 years. Note: If Construction costs are requested in the current fiscal year, then the Year 1 Post-Construction Monitoring costs will be added to the current funding request.

Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
19/20	Design	Beach and Borrow Area design and permitting		26,557.04	239,013.37	265,570.41
19/20						
19/20						
20/21						
20/21						
20/21						
21/22						
21/22						
21/22						
22/23	Design	Final design of the selected beach management actions		24,701	225,299	250,000
22/23	Construction	Construction of beach and dune resoration		3,458,194	31,541,806	35,000,000
22/23	Monitoring	Physical Monitoring		9,881	90,119	100,000
23/24	Monitoring	Physical Monitoring		10,869	99,131	110,000
23/24	Monitoring	Biological Monitoring		15,315	139,685	155,000
23/24						



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Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
24/25	Monitoring	Physical Monitoring		11,857	108,143	120,000
24/25	Monitoring	Biological Monitoring		15,809	144,191	160,000
24/25						
25/26						
25/26						
25/26						
26/27						
26/27						
26/27						

8. Tourism-related impacts: Criteria is calculated by the Department using 2020 data. For reference, tax data can be obtained from the Department of Revenue website: [https://floridarevenue.com/taxes/pages/colls from 7 2003.aspx](https://floridarevenue.com/taxes/pages/colls_from_7_2003.aspx). See Guidance Document for more information.

- Current funding request includes construction and year one post-construction monitoring
- Project is managed by two or more counties

Additional comments

9. Federal involvement: The documentation to verify authorization, federal cost share percentage, and status of funding award must be provided with the application materials for the award of points.

Is the project Federally authorized by the USACE?

No

Authorization Year:

Expiration Year:

Does this project have a signed USACE Chief's report or Civil Works Congressional authorization for the requested phase?

No

USACE federal cost share percentage for this project (excluding FCCE):



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Select all that apply for the requested project phase(s) and include documentation with application materials.

- Executed USACE project agreement
- Included in USACE work plan
- Approved FEMA Project Worksheet
- Included in Congressional Appropriations Act
- Other documentation:

10. Storm damage reduction benefits: Criteria is calculated by the Department.

What is the volume (cy) of advanced nourishment lost since the last sand placement event of a beach restoration or nourishment project as measured above the Mean High Water contour? Data should be consistent with the annual post-construction monitoring reports.

For restoration projects, what is the historical erosion rate?

11. Cost effectiveness: Criteria is calculated by the Department. A project design analysis and supporting documentation must be provided with the application materials for the award of points. See Guidance Document for more information.

What is the proposed sand placement volume (cy)?

What is the nourishment interval (years)?

Select all that apply for the current project funding request:

- Enhanced longevity: Propose structural or design components that could extend the beach nourishment interval
- Dune addition: Incorporate new or enhanced dune structures or new or existing dune restoration and revegetation projects
- Innovative technology: Propose innovative technologies designed to reduce project costs
- Regionalization: Two or more local sponsors manage projects together or projects propose regional sediment management strategies to conserve sand resources or reduce project costs

Additional comments for storm damage reduction benefits and cost effectiveness



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12. Previous state commitment

Has the Department previously reviewed, approved, and cost-shared on a feasibility or design phase for this project?

Has the current proposed project phase(s) received a partial state appropriation within 3 years of phase completion?

Additional comments

13. Accessible beach area: Criteria is calculated by the Department. Provide additional information for consideration.

Describe the landward and seaward edge of the accessible beach width

Provide the project boundaries (R-monuments)

Provide citations of reference sources

14. Recreational benefits: Provide the percentage of linear footage within the project boundaries which is zoned recreational or open space; for commercial use; or to allow for public lodging establishment, or the equivalent. Provide additional documentation and DBPR website link in a separate attachment, if needed.

Public Lodging: 8,459 ft = 18.03%
Recreational: 152.5 = 0.32%
Total = 8,611.5 ft = 18.35%

15. Mitigation of inlet effects: Criteria is calculated by the Department.

Additional comments

16. Successive unfunded requests

Is the current proposed project phase(s) a successive, unfunded request? If so, how many years of successive request(s) is the current application?

Does the successive request add the construction phase?



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17. Environmental habitat enhancement: Criteria is calculated by the Department. See Guidance Document for more information.

Is the project within a designated critical habitat area for threatened or endangered species that is subject to extensive shoreline armoring?

Is the project within a non-designated area where extensive shoreline armoring threatens the habitat of threatened or endangered species?

If yes to either of the above, does the project exceed best management practices to incorporate turtle-friendly designs and management strategies to protect resources or benefit critical habitat preservation?

Provide an explanation and supporting documentation for the strategies which exceed best management practices

n/a

18. Readiness to construct

Does the project have an active state permit?

Does the project have an active federal permit?

Permit number

Permit number

Authorization date

Authorization date

Expiration date

Expiration date

Have all necessary easements been acquired for the upcoming or proposed construction phase?

Has the necessary local funding been secured for the proposed project? If so, provide a copy of the draft Resolution. The signed Resolution is due by September 21, 2021.

Is an Erosion Control Line established along the project length?

Additional comments for readiness to construct

The County has secured and FDEP permit for the work, along with a draft borrow area lease from the Bureau of Ocean Energy Management and a draft permit from the U.S. Army Corps of Engineers.

The Board of County Commissioners allocated \$3,500,000 for the proposed work. The State legislature has matched us \$3,500,000. The Commission has amended the Tourist Development Tax Ordinance to levy an additional 1% tax and a Municipal Service Benefit Unit Ordinance has been enacted to allow for additional funding options. In its FY 2019-2020 budget, the State of Florida appropriated \$500,000 in matching funds for a portion of the \$1,300,000 design and permitting costs.

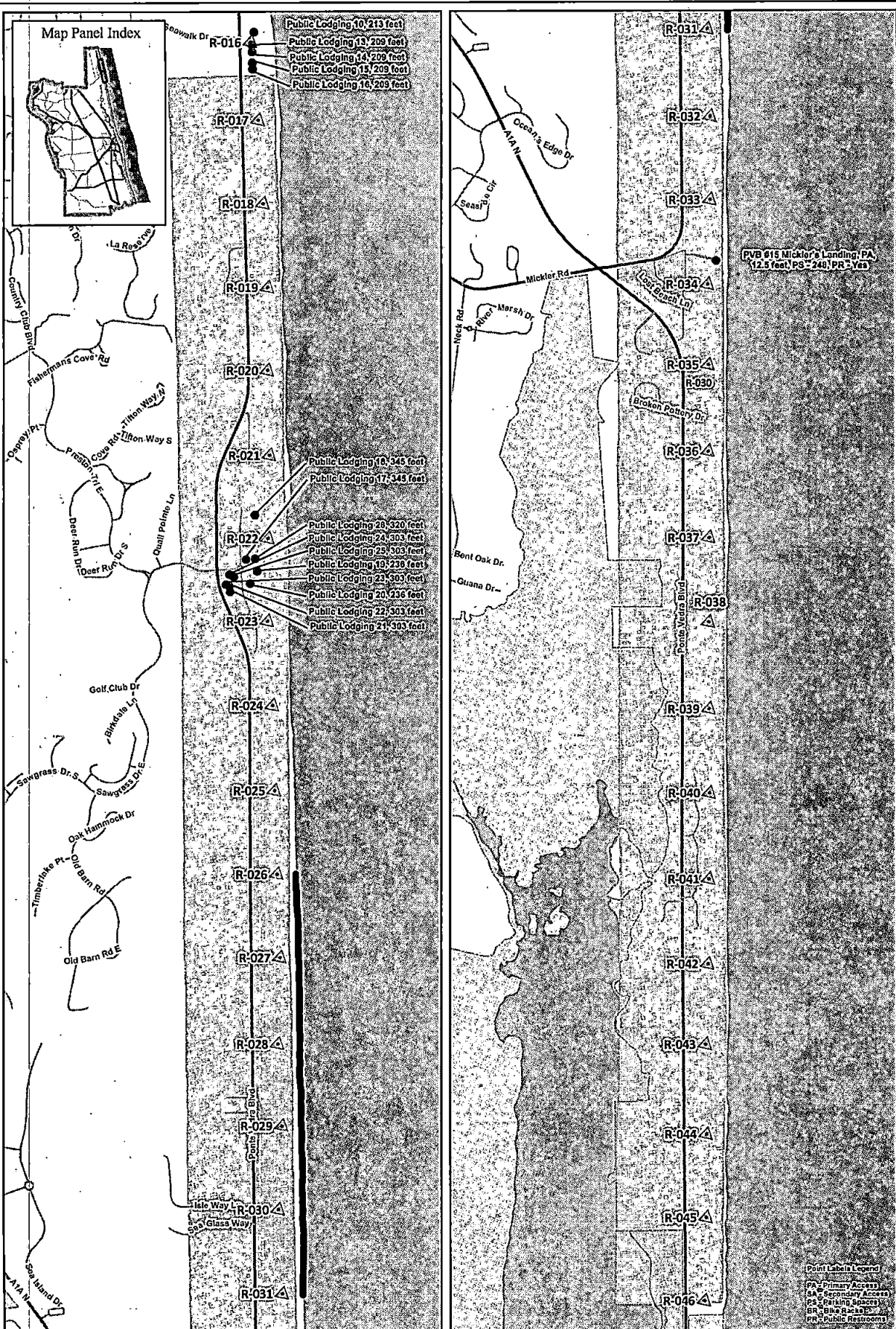




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Provide additional information and comments below or attach supporting documents.

A large, empty rectangular box with a black border, intended for providing additional information and comments or attaching supporting documents.



Location/Name	R-Monument	Type of Access	Width of Access/Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility	Eligible Shoreline (feet)	DBPR License	URL for DBPR License
<u>Public Lodging 17:***</u> 704 Spinnakers Reach Vacation Rental Pros Property Management, LLC	R22	Secondary	345	1 of 20	0	52.8	<u>CND6501683</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B3E34BE003111921336F57D831495B61
<u>Public Lodging 18:***</u> 832 Spinnakers Reach Vacation Rental Pros Property Management, LLC	R22	Secondary	345	1 of 20	0	52.8	<u>CND6501683</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B3E34BE003111921336F57D831495B61
<u>Public Lodging 19:***</u> 609 Summer Place Surf Villa Vacation Rental Pros Property Management, LLC	R22	Secondary	236	1 of 16	0	52.8	<u>CND6501683</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B3E34BE003111921336F57D831495B61
<u>Public Lodging 20:***</u> 626 Summer Place Surf Villa Vacation Rental Pros Property Management, LLC	R22	Secondary	236	1 of 16	0	52.8	<u>CND6501683</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B3E34BE003111921336F57D831495B61
<u>Public Lodging 21:***</u> 645 Summer Place DeKay Vacation Properties	R22	Secondary	303	1 of 12	0	52.8	<u>CND6501744</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=74C6FD4FD6D3CF9E2D3595A43D4ACF80
<u>Public Lodging 22:***</u> 652 Summer Place Vacation Rental Pros Property Management, LLC	R22	Secondary	303	1 of 12	0	52.8	<u>CND6501683</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B3E34BE003111921336F57D831495B61
<u>Public Lodging 23:***</u> 653 Summer Place Vacation Rental Pros Property Management, LLC	R22	Secondary	303	1 of 12	0	52.8	<u>CND6501683</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B3E34BE003111921336F57D831495B61
<u>Public Lodging 24:***</u> 665 Summer Place Vacation Rental Pros Property Management, LLC	R22	Secondary	303	1 of 12	0	52.8	<u>CND6501683</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B3E34BE003111921336F57D831495B61
<u>Public Lodging 25:***</u> 671 Summer Place Vacation Rental Pros Property Management, LLC	R22	Secondary	303	1 of 12	0	52.8	<u>CND6501683</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B3E34BE003111921336F57D831495B61
<u>Public Lodging 26:***</u> 711 Spinnakers Reach Ln, Lifestyles Property Services, LLC	R22	Secondary	320	1 of 10	0	320	<u>CND6501739</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B2076BB62F8BD37A67A2225D1033B113
PVB#15 Mickler's Landing	R33	Primary	12.5	248	5,280	5,293		

*Bicycle parking
**Street parking, SW corner of Corona and Ponte Vedra Blvd. (13 spaces)

*** Vacation Rental - condo, single unit, licensed for short term rental in complex. Complex does not have six or more rental units.

Total Eligible Shoreline Length	6,088.20
Total Eligible Shoreline Length excluding the ***	5,293.00

STRAP	JUST VALUE	LANDUSE
0551290001	0	Res,Upland Non-Forests
0551300000	4103809	Res,Res,Upland Non-Forests
0551400000	3106081	Res,Res,Upland Non-Forests
0551500000	2701961	Res,Upland Non-Forests
0551600000	2960529	Res,Upland Non-Forests
0551610000	2698285	Res,Upland Non-Forests
0551700000	2602169	Res,Res,Upland Non-Forests
0551800000	4167921	Res,Upland Non-Forests
0551900000	2250000	Res,Upland Non-Forests
0552000000	2048454	Res,Upland Non-Forests
0552100000	3018269	Res,Upland Non-Forests
0552200000	2803289	Res,Upland Non-Forests
0552300000	2034000	Res,Upland Non-Forests
0552400000	2363940	Res,Upland Non-Forests
0552500000	8891246	Res,Upland Non-Forests
0552700000	2501530	Res,Upland Non-Forests
0552800000	2528393	Res,Upland Non-Forests
0553400000	3957483	Res,Upland Non-Forests,Wet/H
0553500000	4578088	Res,Upland Non-Forests,Wet/H
0553500001	0	Res,Upland Non-Forests,Wet/H
0553600000	6019187	Res,Upland Non-Forests,Wet/H
0553700000	6092237	Res,Upland Non-Forests,Wet/H
0553800000	4749282	Res,Upland Non-Forests
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0596710105	667000	Res
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0596710107	633100	Res
0596710108	645762	Res
0596710109	633100	Res
0596710110	645762	Res
0596710111	700000	Res

STRAP	JUST VALUE	LANDUSE
0596710112	714000	Res
0596710113	420000	Res
0596710114	428400	Res
0596710115	532000	Res
0596710116	542640	Res
0596710117	633100	Res
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0596710121	700000	Res
0596710122	714000	Res
0596710123	733100	Res
0596710124	645762	Res
0596710126	471903	Res
0596710127	462650	Res
0596710128	542640	Res
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STRAP	JUST VALUE	LANDUSE
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0596710506	0	Res
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0596900020	3958474	Res,Upland Non-Forests
0597000000	2337638	Res,Upland Non-Forests
0597100000	2752317	Res,Upland Non-Forests
0597200000	2600000	Res,Upland Non-Forests
0597300000	2289841	Res,Upland Non-Forests
0597300070	2340000	Res,Upland Non-Forests
0597400000	4633212	Res,Recreational,Upland Non-Forests
0597400010	1950000	Res,Recreational,Upland Non-Forests
0597400090	4652267	Res,Upland Non-Forests
0597500000	4372846	Res,Upland Non-Forests,Hardwood Forests
0597600000	2340000	Res,Upland Non-Forests,Hardwood Forests
0597700000	3475791	Res,Upland Non-Forests,Hardwood Forests
0597800000	3100726	Res,Upland Non-Forests
0597900000	10201559	Res,Upland Non-Forests
0598200000	4004154	Res,Upland Non-Forests
0598300000	6190128	Res,Upland Non-Forests
0598300200	6025057	Res,Upland Non-Forests
0598300210	8542266	Res,Upland Non-Forests
0598300215	4841787	Res,Upland Non-Forests

STRAP	JUST VALUE	LANDUSE
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0598300240	6114598	Res,Res,Upland Non-Forests
0598400000	5186663	Res,Res,Upland Non-Forests
0598500000	5292678	Res,Upland Non-Forests
0598500030	3447417	Res,Upland Non-Forests
0598500040	7203416	Res,Upland Non-Forests
0598500050	5384425	Res,Upland Non-Forests
0598500060	6705308	Res,Upland Non-Forests
0598500070	1950000	Res,Upland Non-Forests
0598500071	3965810	Res,Upland Non-Forests
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0598500090	3702065	Res,Upland Non-Forests
0598510010	3669594	Res,Recreational,Upland Non-Forests
0598510020	2672114	Res,Recreational,Upland Non-Forests
0598510030	4503179	Res,Recreational,Upland Non-Forests
0598510040	3230415	Res,Recreational,Upland Non-Forests
0598510050	3120117	Res,Recreational,Upland Non-Forests
0598510060	2973418	Res,Recreational,Upland Non-Forests
0618900000	5000	Wetlands/NF
0619000000	0	Res,Res,Recreational,Water,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF
0619000001	6075000	Res,Res,Res,Recreational,Hardwood Forests,Water,Water,Water,Water,Wet/H,Wet/H,Wet/H,Wet/H,Wet/H,Wet/H,Wet/H,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF
0619000010	0	Res,Res,Res,Institutional,Recreational,Water,Wet/H,Wet/H,Wetlands/NF,Wetlands/NF
0619000020	1702245	Res,Wetlands/NF
0619001010	1592451	Res,Recreational,Wetlands/NF
0619010041	1500	Res
0619099000	0	Res
0619099006	0	Res
0619600000	4873921	Res,Recreational,Upland Non-Forests
0619650000	4598211	Res,Recreational,Upland Non-Forests
0619700000	4757175	Res,Recreational,Upland Non-Forests
0619700010	310372	Res,Res,Wetlands/NF
0619800000	2895150	Res,Res,Recreational,Upland Non-Forests,Wet/H
0619800010	0	Wet/H
0619851000	0	Res
0619851001	0	Res
0619851101	1194000	Res
0619851102	1144000	Res
0619851103	1244000	Res
0619851104	1194000	Res
0619851201	1331280	Res
0619851202	1281280	Res
0619851203	1281280	Res
0619851204	1331280	Res
0619851301	1568560	Res
0619851302	1418560	Res
0619851303	1418560	Res
0619851304	1468560	Res
0619851401	1605840	Res
0619851402	1555840	Res
0619851403	1555840	Res

STRAP	JUST VALUE	LANDUSE
0619851404	1605840	Res
0619851500	0	Res, Wetlands/NF
0619851501	0	Res
0619851517	650000	Res
0619851518	500000	Res
0619851519	500000	Res
		Res, Res, Recreational, Upland Non-
0619860000	0	Forests, Wet/H, Wetlands/NF
0619860011	0	Res
0619860021	0	Res
0619860910	1610000	Res
0619860911	1410000	Res
0619860912	511000	Res
0619860913	938000	Res
0619860914	1510000	Res
0619860915	1383000	Res
0619860916	1290000	Res
0619860917	2300000	Res
0619860918	2100000	Res
0619860928	1438200	Res
0619860929	1488200	Res
0619860930	521220	Res
0619860931	956760	Res
0619860932	1463200	Res
0619860933	1510660	Res
0619860934	1315800	Res
0619860935	1989000	Res
0619860936	1989000	Res
0619860946	1466400	Res
0619860947	1466400	Res
0619860948	1142000	Res
0619860950	1466400	Res
0619860951	1438320	Res
0619860952	1366600	Res
0619860953	2028000	Res
0619860954	2028000	Res
0619860964	1494600	Res
0619860965	1179000	Res
0619860967	994280	Res
0619860968	1494600	Res
0619860969	1465980	Res
0619860970	1367400	Res
0619860971	2067000	Res
0619860972	2067000	Res
0621800000	2850	Wetlands/NF
0621820000	0	Res, Water, Wetlands/NF, Wetlands/NF
0622000001	0	Wetlands/NF
0622100002	0	Res, Wet/H, Wetlands/NF
0622100140	368118	Res, Wet/H
0622150000	0	Wetlands/NF
0622210010	1220438	Res, Wetlands/NF
0622210020	1317074	Res, Wetlands/NF
0622210030	1126867	Res, Wetlands/NF
0622210040	1459407	Res, Wetlands/NF, Wetlands/NF
0622210050	1554672	Res, Wetlands/NF, Wetlands/NF
0622210060	910585	Res, Wetlands/NF, Wetlands/NF
0622210070	1027415	Res, Wetlands/NF, Wetlands/NF
0622210080	1269098	Res, Wetlands/NF, Wetlands/NF
0622210090	1068258	Res, Wetlands/NF
0622210100	1096819	Res, Wetlands/NF

STRAP	JUST VALUE	LANDUSE
0622210110	1490252	Res,Wetlands/NF
0622210120	1023657	Res,Wetlands/NF
0622210130	1061698	Res,Wetlands/NF
0622210140	1298429	Res,Wetlands/NF
0622210150	1538462	Res,Wetlands/NF
0622210160	1331605	Res,Wetlands/NF
0622210170	1274890	Res,Wetlands/NF
0622210180	928429	Res,Wetlands/NF
0622210190	1481566	Res,Wetlands/NF
0622250000	3363897	Res,Recreational,Upland Non-Forests
0622250010	14075	Wetlands/NF
0622250020	4985612	Res,Recreational,Upland Non-Forests
0622250030	3674260	Res,Recreational,Upland Non-Forests
0622250040	6590177	Res,Recreational,Upland Non-Forests
0622270000	10000	Res
0622270010	537637	Res
0622270020	545422	Res
0622270030	590982	Res
0622270040	631018	Res
0622270050	810772	Res
0622270060	671008	Res
0622270070	755434	Res,Wetlands/NF
0622270080	804155	Res,Wetlands/NF
0622270090	749246	Res,Wetlands/NF
0622270100	593376	Res,Wetlands/NF
0622270110	866058	Res,Wetlands/NF
0622270120	620203	Res,Wetlands/NF
0622270130	696149	Res,Wetlands/NF
0622270140	636305	Res,Wetlands/NF
0622270150	808916	Res,Wetlands/NF
0622447010	334501	Wetlands/NF
0661000000	1151297	Wet/H,Wetlands/NF
0661050001	0	Res,Institutional
0661050002	341849	Res,Institutional
0661050010	3056707	Res,Recreational,Institutional,Upland Non-Forests
0661050020	3310531	Res,Recreational,Upland Non-Forests
0661050030	3127522	Res,Recreational,Upland Non-Forests
0661050040	2890273	Res,Recreational,Upland Non-Forests
0661100000	3780743	Res,Recreational,Upland Non-Forests
0661100010	1204133	Wet/H
0661200000	767875	Res,Wet/H,Wetlands/NF,Wetlands/NF
0661200010	5193255	Res,Recreational,Upland Non-Forests
0661200020	791347	Res,Wetlands/NF,Wetlands/NF
0661300000	4085723	Res,Recreational,Upland Non-Forests
0661300010	1458597	Res,Wet/H,Wetlands/NF
0661400000	3606699	Res,Recreational,Upland Non-Forests
0661400010	1354078	Res,Wet/H,Wetlands/NF
0661500000	4734710	Res,Recreational,Upland Non-Forests
0661500010	955691	Res
0661500020	1586331	Res,Wet/H
0661600000	548408	Res,Wet/H,Wetlands/NF
0661600010	5066528	Res,Recreational,Upland Non-Forests
0661700000	3674873	Res,Recreational,Upland Non-Forests
0661700001	6658912	Res,Recreational,Upland Non-Forests
0661700002	5771148	Res,Recreational,Upland Non-Forests
0661700003	1950000	Res,Recreational,Upland Non-Forests
0661700004	4565878	Res,Recreational,Upland Non-Forests
0661700010	324500	Res,Wet/H
0661700011	380	Wet/H,Wetlands/NF
0661700020	760848	Res,Wet/H,Wetlands/NF

STRAP	JUST VALUE	LANDUSE
0661700021	300	Wetlands/NF
0661700030	975475	Res, Wet/H, Wetlands/NF
0661700031	250	Wetlands/NF, Wetlands/NF
0661700040	385396	Res, Wet/H
0661700041	300	Wet/H, Wetlands/NF
0661700050	157500	Res, Wet/H, Wetlands/NF
0661700051	250	Wetlands/NF, Wetlands/NF
0661700060	1271468	Res, Wet/H
0661700061	300	Wet/H, Wetlands/NF
0661700070	1254389	Res, Wetlands/NF
0661700071	1120	Wet/H, Wetlands/NF, Wetlands/NF
0661700090	845908	Res, Wet/H, Wetlands/NF
0661700091	400	Wetlands/NF, Wetlands/NF
0661700092	135	Wetlands/NF
0661700100	766180	Res, Wet/H, Wetlands/NF
0661700101	320	Wet/H, Wetlands/NF
0661700110	1636167	Res, Wet/H, Wetlands/NF
0661700111	3892465	Res, Recreational, Upland Non-Forests
0661700120	557189	Res, Wet/H, Wetlands/NF
0661700121	230	Wet/H, Wetlands/NF
0661700125	4822402	Res, Upland Non-Forests
0661700126	767399	Res, Wet/H
0661700130	10000	Res, Hardwood Forests, Wetlands/NF Res, Res, Recreational, Upland Non-Forests, Hardwood
0661700131	2600000	Forests
0661700135	4496340	Res, Recreational, Upland Non-Forests
0661700136	10000	Hardwood Forests
0661700140	2600000	Res, Recreational, Upland Non-Forests, Hardwood Forests
0661700141	20000	Hardwood Forests, Wetlands/NF Res, Recreational, Upland Non-Forests, Hardwood Forests, Not
0661700150	2600000	Categorized
0661700151	10000	Hardwood Forests, Wetlands/NF
0661700160	657220	Res, Hardwood Forests, Wetlands/NF Res, Recreational, Upland Non-Forests, Hardwood Forests, Not
0661700165	4924921	Categorized Res, Recreational, Upland Non-Forests, Hardwood Forests, Not
0661700166	4756215	Categorized
0661700167	1116514	Res, Water, Wetlands/NF
0661700168	220	Res, Water, Wetlands/NF, Wetlands/NF
0661700169	310	Res, Water, Wetlands/NF
0661700170	2600000	Res, Recreational, Upland Non-Forests, Hardwood Forests
0661700173	4134954	Res, Recreational, Upland Non-Forests, Hardwood Forests
0661700177	880062	Res, Wetlands/NF
0661700178	1406015	Res, Wetlands/NF
0661800001	0	Res
0661800010	0	Res
0661800020	0	Res
0661800030	0	Res
0661800040	0	Res
0661800629	188000	Res
0661800630	195000	Res
0661800631	195840	Res
0661800632	192000	Res
0661800633	195840	Res
0661800634	192000	Res
0661800635	188000	Res
0661800636	195000	Res
0661800637	188000	Res
0661800638	195000	Res
0661800639	195840	Res

STRAP	JUST VALUE	LANDUSE
0661800640	192000	Res
0661800641	195840	Res
0661800642	192000	Res
0661800643	195840	Res
0661800644	192000	Res
0661800645	195840	Res
0661800646	192000	Res
0661800647	188000	Res
0661800648	210000	Res
0661800649	188000	Res
0661800650	195000	Res
0661800651	195840	Res.
0661800652	192000	Res
0661800653	195840	Res
0661800654	192000	Res
0661800655	195840	Res
0661800656	192000	Res
0661800657	195840	Res
0661800658	192000	Res
0661800659	188000	Res
0661800660	195000	Res
0661800661	188000	Res
0661800662	210000	Res
0661800663	195840	Res
0661800664	192000	Res
0661800665	195840	Res
0661800666	192000	Res
0661800667	195840	Res
0661800668	192000	Res
0661800669	195840	Res
0661800670	143000	Res
0661800671	195840	Res
0661800673	188000	Res
0662694001	0	Res,Wetlands/NF
0662694140	0	Res
0662694150	0	Res
0662700640	314000	Res
0662700650	340000	Res
0662700660	282600	Res
0662700670	282600	Res
0662700680	306000	Res
0662700690	306000	Res
0662700700	306000	Res
0662700710	360000	Res
0663000000	8166336	Res,Recreational,Institutional,Upland Non-Forests
0663000011	0	Res
0663010000	0	Res,Recreational,Upland Non-Forests,Wetlands/NF
0663010010	0	Res
0663010020	0	Res
0663010030	0	Res
0663010040	0	Res
0663010701	527310	Res
0663010702	567000	Res
0663010703	550800	Res
0663010704	783060	Res
0663010705	411300	Res
0663010706	410000	Res
0663010707	550800	Res
0663010708	578000	Res
0663010709	627430	Res

STRAP	JUST VALUE	LANDUSE
0663010710	551000	Res
0663010711	618800	Res
0663010712	783060	Res
0663010713	518700	Res
0663010714	530100	Res
0663010715	680000	Res
0663010716	680000	Res
0663010717	570000	Res
0663010718	570000	Res
0663010719	1600000	Res
0663010720	1515000	Res
0663010721	642310	Res
0663010722	567000	Res
0663010723	516800	Res
0663010724	858060	Res
0663010725	381300	Res
0663010726	410000	Res
0663010727	550800	Res
0663010728	693000	Res
0663010729	551000	Res
0663010730	551000	Res
0663010731	618800	Res
0663010732	783060	Res
0663010733	518700	Res
0663010734	605100	Res
0663010735	680000	Res
0663010736	680000	Res
0663010738	570000	Res
0663010739	1500000	Res
0663010740	1400000	Res
0663010741	194000	Res
0663010742	322000	Res
0663010743	248000	Res
0663010744	411000	Res
0663010745	248000	Res
0663010746	411000	Res
0663010747	194000	Res
0663010748	322000	Res
0663010749	194000	Res
0663010750	376000	Res
0663010751	248000	Res
0663010752	411000	Res
0663010753	278000	Res
0663010754	322000	Res
0663010755	248000	Res
0663010756	411000	Res
0663010757	194000	Res
0663010758	322000	Res
0663010770	0	Res,Recreational,Upland Non-Forests
0663010781	0	Res
0663010782	0	Res
0663010801	527310	Res
0663010802	617000	Res
0663010803	557840	Res
0663010804	783060	Res
0663010805	381300	Res
0663010806	440000	Res
0663010807	594540	Res
0663010808	623900	Res
0663010809	512430	Res

STRAP	JUST VALUE	LANDUSE
0663010810	551000	Res
0663010811	682620	Res
0663010812	783060	Res
0663010813	530100	Res
0663010814	530100	Res
0663010815	734000	Res
0663010816	734000	Res
0663010817	570000	Res
0663010818	570000	Res
0663010819	1475000	Res
0663010820	1400000	Res
0663010821	527310	Res
0663010822	567000	Res
0663010823	557840	Res
0663010824	783060	Res
0663010825	381300	Res
0663010826	410000	Res
0663010827	594540	Res
0663010828	673900	Res
0663010829	551000	Res
0663010830	551000	Res
0663010831	682620	Res
0663010832	783060	Res
0663010833	530100	Res
0663010834	530100	Res
0663010835	734000	Res
0663010836	734000	Res
0663010837	570000	Res
0663010838	570000	Res
0663010839	1400000	Res
0663010840	1400000	Res
0663020001	0	Res,Recreational,Upland Non-Forests
0663020010	0	Res
0663020020	0	Res
0663020601	443000	Res
0663020602	443000	Res
0663020603	443000	Res
0663020604	443000	Res
0663020605	443000	Res
0663020606	443000	Res
0663020607	458000	Res
0663020608	443000	Res
0663020609	443000	Res
0663020610	443000	Res
0663020611	443000	Res
0663020612	443000	Res
0663020613	443000	Res
0663020614	443000	Res
0663020615	443000	Res
0663020616	443000	Res
0663020617	443000	Res
0663020618	443000	Res
0663020619	443000	Res
0663020620	443000	Res
0663020621	443000	Res
0663020622	443000	Res
0663020623	443000	Res
0663020624	443000	Res
0663020625	443000	Res
0663020626	443000	Res

STRAP	JUST VALUE	LANDUSE
0663020627	443000	Res
0663020628	443000	Res
0669150000	0	Res, Wet/H, Wet/H, Wetlands/NF
0669200000	539611	Res, Water
0669200001	267190	Res, Water, Wet/H, Wetlands/NF, Wetlands/NF
0669200002	352769	Res, Water
0669200003	77090	Res, Water, Wet/H, Wetlands/NF
0669200010	3026978	Res, Recreational, Upland Non-Forests, Hardwood Forests
0669200020	3644554	Res, Recreational, Upland Non-Forests, Hardwood Forests
0669200030	302500	Res, Hardwood Forests
0669200040	3027701	Res, Recreational, Upland Non-Forests, Hardwood Forests
0669200061	603879	Res, Wet/H
0669200070	519050	Res, Wet/H
0669200090	150000	Res, Water, Wet/H
0669200100	865385	Res, Water
0669200120	2000	Res, Water
0669200130	1246606	Res
0669200170	877802	Res
0669200180	3310	Res, Water
0669200190	297500	Res, Water
0669800000	7061982	Res, Recreational, Upland Non-Forests, Hardwood Forests
0669800010	1115507	Res, Hardwood Forests, Wet/H, Wet/H, Wetlands/NF
0669810000	2681225	Res, Recreational, Upland Non-Forests, Hardwood Forests
0669820000	1253260	Res, Hardwood Forests, Wet/H
0669900000	5052967	Res, Recreational, Upland Non-Forests, Hardwood Forests
0669950000	2842727	Res, Recreational, Upland Non-Forests, Hardwood Forests
0669950020	4705217	Res, Recreational, Upland Non-Forests
0669950030	600000	Hardwood Forests, Wet/H
0669950036	0	Res, Hardwood Forests
0669950037	0	Res, Hardwood Forests, Wet/H
0669950041	1516557	Hardwood Forests
0669950042	1399164	Res
0669950043	500000	Hardwood Forests
0669950044	500000	Res
0669950045	500000	Hardwood Forests, Wet/H
0669950046	500000	Res, Hardwood Forests, Wet/H
0669950047	600000	Hardwood Forests, Wet/H, Wetlands/NF
0669950050	584500	Res, Wet/H
0669950051	935097	Res, Wet/H
0669950052	739080	Res
0669950053	400000	Res
0669950054	28000	Res
0669950100	15000	Res, Recreational, Upland Non-Forests, Hardwood Forests
0669950110	15000	Res, Recreational, Upland Non-Forests, Hardwood Forests
0670000000	5142444	Res, Recreational, Upland Non-Forests
0670200000	3576300	Res, Recreational, Upland Non-Forests
0670200010	2602964	Res, Recreational, Upland Non-Forests
0670500000	5306566	Res, Recreational, Upland Non-Forests
0670550000	5686003	Res, Recreational, Upland Non-Forests
0670560010	873967	Res
0670560020	977086	Res
0670560030	1190312	Res, Wet/H
0670560040	1282304	Res
0670560050	400000	Res, Wet/H
0670560060	1030863	Res
0670560070	400000	Res
0670560080	935000	Res
0670560090	1301099	Res
0670570001	20400	Res, Hardwood Forests, Wet/H, Wetlands/NF
0670570002	0	Res, Wet/H, Wet/H, Wetlands/NF

STRAP	JUST VALUE	LANDUSE
0670600010	4252585	Res,Recreational,Upland Non-Forests
0670700000	1280	Wet/H,Wetlands/NF,Wetlands/NF
		Res,Water,Wet/H,Wetlands/NF,Wetlands/NF,Wetlands/NF,
0670700005	11640	Wetlands/NF,Wetlands/NF
0670700010	126834	Res,Recreational,Recreational,Upland Non-Forests
0670700020	3235864	Res,Recreational,Upland Non-Forests
0670700040	113376	Res,Recreational,Water
0670700050	96800	Res,Recreational,Wet/H
0670700051	21600	Res,Recreational
0670700060	121406	Res,Recreational,Water
0670700080	202	Wet/H
0670700085	1117	Wet/H,Wetlands/NF,Wetlands/NF
0670711010	3787892	Res,Recreational,Upland Non-Forests
0670711020	3218496	Res,Recreational,Upland Non-Forests
0670711030	3197072	Res,Recreational,Upland Non-Forests
0670711040	2676863	Res,Recreational,Upland Non-Forests
0670711050	3084691	Res,Recreational,Upland Non-Forests
0670711100	10245488	Res,Recreational,Upland Non-Forests,Hardwood Forests
0670711120	4372066	Res,Recreational,Upland Non-Forests
0670711140	3267919	Res,Recreational,Recreational,Upland Non-Forests
0670712010	0	Res,Recreational,Recreational,Upland Non-Forests
0670712020	0	Recreational,Recreational,Upland Non-Forests
0670712030	0	Res,Recreational,Recreational,Upland Non-Forests
0670712040	4678757	Res,Recreational,Recreational,Upland Non-Forests
0670712050	3109768	Res,Recreational,Upland Non-Forests
0670712060	3434900	Res,Recreational,Upland Non-Forests
0670712070	2485349	Res,Recreational,Upland Non-Forests
0670712080	1852500	Res,Recreational,Upland Non-Forests
0670712090	1852500	Res,Recreational,Upland Non-Forests
0670720010	888865	Res,Wet/H
0670720011	1000	Res,Wet/H
0670720020	1131310	Res,Wet/H
0670720030	2459902	Res,Wet/H
0670720040	325000	Res
0670720050	873701	Res,Wet/H
0670720051	1000	Wet/H,Wetlands/NF
0670720060	743405	Res,Wet/H
0670720061	1000	Res,Wet/H,Wetlands/NF
0670720070	733424	Res,Wet/H,Wetlands/NF
0670720080	996000	Res,Wet/H
0670720081	1000	Wet/H
0670720090	915164	Res,Wet/H
0670720091	1000	Res,Wet/H,Wetlands/NF,Wetlands/NF
0670720100	699996	Res
0670720101	1000	Res,Wetlands/NF,Wetlands/NF
0670720110	934527	Res
0670720111	1000	Res,Wetlands/NF
0670910001	0	Res,Transportation/Communication/and Utilities
0670910010	564576	Res
0670910020	675706	Res
0670910030	693885	Res
0670910040	713462	Res
0670910050	572972	Res,Wet/H
0670910060	688177	Res,Wet/H
0670910070	714051	Res
0670910080	781586	Res,Water
0670910090	904564	Res,Water
0670910100	732318	Res
0670910110	764836	Res
0670910120	842873	Res

STRAP	JUST VALUE	LANDUSE
0670910130	547037	Res,Transportation/Communication/and Utilities
0670910140	675871	Res,Transportation/Communication/and Utilities
0670910150	808665	Res,Transportation/Communication/and Utilities
0670910160	562036	Res
0670910170	642004	Res
0670910180	604795	Res
0670920001	0	Res,Transportation/Communication/and Utilities
0670920002	694	Res,Wet/H
0670920003	1236	Res,Wetlands/NF
0670920010	508738	Res,Wet/H,Transportation/Communication/and Utilities
0670920020	524505	Res,Wet/H
0670920030	577807	Res
0670920040	636619	Res
0670920050	853589	Res
0670920060	706788	Res
0670920070	738563	Res
0670920080	757964	Res
0670920090	588524	Res,Transportation/Communication/and Utilities
0670920100	848388	Res,Transportation/Communication/and Utilities
0670920110	641151	Res,Transportation/Communication/and Utilities
0670920120	529193	Res,Transportation/Communication/and Utilities
0670920130	654968	Res,Transportation/Communication/and Utilities
0671000000	0	Res
0671000001	6700	Res
0671000010	528801	Res
0671000020	719755	Res
0671000030	611501	Res
0671000040	722269	Res
0671000050	644629	Res
0671000060	195000	Res
0671000070	195000	Res
0671000080	195000	Res
0671000090	816480	Res
0671000100	723118	Res,Wet/H
0671000110	660274	Res,Wet/H
0671000120	556158	Res,Water
0671000130	773175	Res,Water
0671000140	618180	Res,Water
0671000150	704732	Res,Water
0671000160	684001	Res
0671000170	774347	Res,Recreational
0671220000	0	Hardwood Forests
0671220001	0	Water,Wet/H,Wetlands/NF,Wetlands/NF
0671220010	525000	Res,Hardwood Forests
0671220020	625000	Res,Hardwood Forests,Wet/H
0671220030	525000	Hardwood Forests
0671220040	625000	Hardwood Forests,Wet/H
0671220050	0	Hardwood Forests,Wet/H,Wetlands/NF
0671220060	525000	Hardwood Forests,Wet/H,Wetlands/NF
0671220070	525000	Hardwood Forests,Wet/H,Wetlands/NF
0671220080	525000	Hardwood Forests,Wet/H,Wetlands/NF
0671220090	525000	Hardwood Forests,Wet/H,Wetlands/NF
0671220100	525000	Hardwood Forests,Wet/H,Wetlands/NF
0671220110	525000	Hardwood Forests,Wet/H,Wetlands/NF
0671220120	525000	Hardwood Forests,Wet/H,Wetlands/NF
0671450000	550000	Hardwood Forests,Wet/H,Wetlands/NF
0671450010	17500	Water,Wetlands/NF,Wetlands/NF
0671450011	0	Res,Hardwood Forests,Wet/H,Wetlands/NF
0671450012	0	Water,Wetlands/NF,Wetlands/NF
0671500000	906530	Res,Wet/H,Wetlands/NF

STRAP	JUST VALUE	LANDUSE
0671500010	8200	Water,Wetlands/NF,Wetlands/NF
0671500020	779995	Res,Wet/H,Wetlands/NF
0671500030	8200	Water,Wetlands/NF,Wetlands/NF
0671500040	4050	Res,Hardwood Forests,Wet/H,Wetlands/NF
0671500050	3600	Water,Wetlands/NF,Wetlands/NF
0671600000	400000	Res,Hardwood Forests,Wet/H,Wetlands/NF
0671600010	15000	Water,Wet/H,Wetlands/NF,Wetlands/NF
0671650010	42000	Res,Water,Wet/H,Wet/H,Wetlands/NF,Wetlands/NF
0671750010	810482	Res,Wet/H
0671750020	810004	Res,Wet/H,Wetlands/NF
0671750030	787738	Res
0671750040	0	Res
0671750050	707773	Res,Wetlands/NF
		Res,Res,Hardwood
		Forests,Water,Water,Water,Wet/H,Wet/H,Wet/H,Wetlands/N
0673550000	54575	F
0673600000	743137	Res,Wetlands/NF
0673600010	6250	Wet/H,Wetlands/NF
0673600020	763619	Res,Wetlands/NF
0673600030	6750	Res,Water,Wet/H,Wetlands/NF
0673700000	1093702	Res,Wetlands/NF
0673750000	11750	Res,Wet/H,Wetlands/NF
0673750020	835891	Res
0673750025	236278	Res,Wet/H,Wetlands/NF
0673810020	711934	Res,Hardwood Forests,Wetlands/NF
0673810030	275000	Hardwood Forests,Wetlands/NF
0673810040	275000	Hardwood Forests,Wetlands/NF
0673810050	1127409	Hardwood Forests,Wetlands/NF
0673810060	1041485	Res,Hardwood Forests,Wetlands/NF
0673810070	626474	Res,Wetlands/NF
0673810080	965772	Res
0673810090	512136	Res
0673810100	275000	Res,Wetlands/NF
0673810110	275000	Res,Wetlands/NF
0673810120	635283	Res,Wetlands/NF
0673810130	755232	Res
0673810140	1282718	Res
0673850000	331600	Water,Wet/H,Wetlands/NF
0673850001	10000	Wet/H,Wetlands/NF
0673850020	730473	Res,Wetlands/NF
0673850030	200000	Res,Res,Wetlands/NF
0673850040	928026	Res,Wetlands/NF
0673850050	604040	Res,Hardwood Forests,Water,Wet/H
0673850061	0	Res,Wetlands/NF
0673850062	1500	Res
0673850080	1314941	Res,Res,Hardwood Forests,Water,Wet/H,Wetlands/NF
0673850090	2224752	Res,Hardwood Forests,Water,Wet/H
0673900001	0	Res
0673900010	685055	Res
0673900020	463495	Res,Wet/H
0673900030	499257	Res,Wet/H,Wetlands/NF
0673900040	574570	Res,Wet/H,Wetlands/NF
0673900050	474635	Res,Wet/H,Wetlands/NF
0673900060	618383	Res,Wet/H,Wetlands/NF
0673900070	607854	Res,Wet/H,Wetlands/NF
0673900080	768347	Res,Wet/H,Wetlands/NF
0673900090	498890	Res
0673900100	648606	Res
0673900110	474677	Res
0673900120	520274	Res

STRAP	JUST VALUE	LANDUSE
0673900130	404393	Res
0673901001	405	Res,Res
0673901010	426992	Res,Res,Wetlands/NF
0673901020	569348	Res,Wetlands/NF
0673901030	609400	Res,Wetlands/NF
0673901040	555747	Res,Wetlands/NF
0673901050	3450	Res,Water,Wet/H,Wetlands/NF
0673901060	549916	Res,Water,Wet/H,Wetlands/NF
0674000000	504360	Hardwood Forests,Water,Wet/H,Wetlands/NF
0674000010	0	Res,Hardwood Forests,Wet/H,Wetlands/NF Res,Hardwood Forests,Hardwood
0674050000	1486864	Forests,Water,Wet/H,Wetlands/NF
0674700000	5719477	Res,Recreational,Upland Non-Forests
0674700010	328760	Res,Hardwood Forests,Water,Wet/H,Wetlands/NF
0674700020	652636	Res,Hardwood Forests,Water,Wet/H,Wetlands/NF
0674850000	4262960	Res,Recreational,Upland Non-Forests
0675000000	1520	Water,Wet/H,Wetlands/NF
0675000010	4425553	Res,Recreational,Upland Non-Forests
0675000020	325000	Res,Water,Wet/H,Wetlands/NF,Wetlands/NF
0675000021	15609	Water,Wet/H,Wetlands/NF,Wetlands/NF
0675000030	292500	Res,Wet/H,Wetlands/NF
0675050010	787968	Res,Wet/H
0675050011	2400	Water,Wet/H,Wetlands/NF
0675050020	328200	Res,Wet/H,Wetlands/NF
0675050021	3200	Water,Wet/H,Wetlands/NF
0675050030	1950000	Res,Recreational,Upland Non-Forests
0675100000	329000	Res,Water,Wet/H,Wetlands/NF,Wetlands/NF
0675100010	932638	Res,Water,Wet/H,Wetlands/NF
0675100020	682075	Res,Water,Wet/H,Wetlands/NF
0675100030	1950000	Res,Recreational,Upland Non-Forests
0675100040	1950000	Res,Recreational,Upland Non-Forests
0675100050	1950000	Res,Recreational,Upland Non-Forests
0675300010	1005478	Res,Water,Wet/H,Wetlands/NF
0675400000	557840	Res,Water,Wet/H,Wetlands/NF,Wetlands/NF
0675450000	3659007	Res,Recreational,Upland Non-Forests Res,Upland Non-Forests,Hardwood
0675480000	16816700	Forests,Water,Wet/H,Wetlands/NF Hardwood Forests,Water,Wet/H,Wetlands/NF,Wetlands/NF,Wetlands/NF
0675500000	52062	F,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/NF
0675550000	6920	Water,Wet/H,Wetlands/NF
0675550020	325000	Hardwood Forests,Wet/H
0675550030	325960	Hardwood Forests,Wet/H
0675600010	502520	Res,Hardwood Forests,Water,Wet/H,Wetlands/NF
0675600020	761123	Res,Water
0675600030	878417	Res,Water,Wet/H
0675600040	825158	Res,Water,Wet/H
0675600050	1518205	Res,Wet/H
0675610010	1004050	Res,Water,Wet/H
0675610020	327720	Res,Wet/H
0675610030	328760	Res,Wet/H
0675650000	326440	Res,Water,Wet/H,Wetlands/NF
0675660000	326960	Res,Water,Wet/H,Wetlands/NF
0684900000	3403910	Res,Recreational,Upland Non-Forests
0685200000	3332080	Res,Recreational,Upland Non-Forests
0685200040	3568081	Res,Recreational,Upland Non-Forests
0685200050	3494275	Res,Recreational,Upland Non-Forests
0685200070	1545197	Res,Wetlands/NF
0685200071	1048077	Res,Wetlands/NF

STRAP	JUST VALUE	LANDUSE
0685200072	1734595	Res,Wetlands/NF
0685200073	1234716	Res,Wetlands/NF
0685200110	938625	Res,Hardwood Forests,Wetlands/NF
0685200120	1109289	Res,Hardwood Forests
0685200160	856232	Hardwood Forests,Wetlands/NF,Wetlands/NF
0685209991	19000	Hardwood Forests,Wet/H
0685209992	0	Hardwood Forests,Wetlands/NF
0685209994	0	Res,Hardwood Forests,Wetlands/NF
0685210010	400000	Hardwood Forests
0685210020	500000	Hardwood Forests
0685210030	500000	Hardwood Forests
0685210040	500000	Hardwood Forests,Wet/H
0685210050	500000	Hardwood Forests,Wet/H,Wetlands/NF
0685210060	500000	Hardwood Forests,Wet/H,Wetlands/NF
0685210070	500000	Hardwood Forests,Wet/H,Wetlands/NF
0685210080	600000	Hardwood Forests,Wet/H
0685210140	600000	Hardwood Forests,Wetlands/NF
0685210150	600000	Hardwood Forests,Wetlands/NF
0685210160	1757488	Hardwood Forests,Wet/H
0685210170	500000	Hardwood Forests,Wet/H,Wetlands/NF
0685210180	1620788	Hardwood Forests,Wetlands/NF
0685210190	500000	Hardwood Forests
0685210200	500000	Hardwood Forests
0685210210	500000	Hardwood Forests
0685210220	400000	Res,Hardwood Forests
0685300000	4341923	Res,Recreational,Upland Non-Forests
0685300010	5242662	Res,Recreational,Upland Non-Forests
0685300030	3102403	Res,Recreational,Upland Non-Forests
0685300050	4000	Wetlands/NF,Wetlands/NF
0685300051	3868	Wetlands/NF,Wetlands/NF
0685300052	3092	Wetlands/NF,Wetlands/NF
0685300053	2640	Wetlands/NF,Wetlands/NF
0685300090	3227892	Res,Recreational,Upland Non-Forests
0685300100	3788893	Res,Recreational,Upland Non-Forests
0685300130	3150455	Res,Wetlands/NF
0685300139	10840	Res,Wetlands/NF,Wetlands/NF Water,Wet/H,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetla
0685600000	36140	nds/NF
0686500000	31500	Res

PA-04-FL-4283-PW-01061(0) P	
Applicant Name:	Application Title:
ST. JOHNS (COUNTY)	SCBAK40 - Emergency Berms
Period of Performance Start:	Period of Performance End:
10-08-2016	04-08-2017

Subgrant Application - Entire Application

Application Title: SCBAK40 - Emergency Berms
Application Number: PA-04-FL-4283-PW-01061(0)
Application Type: Subgrant Application (PW)

Preparer Information

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Project Description

Disaster Number: 4283
 Pre-Application Number: PA-04-FL-4283-RPA-0051
 Applicant ID: 109-99109-00
 Applicant Name: ST. JOHNS (COUNTY)
 Subdivision:
 Project Number: SCBAK40
 Standard Project Number/Title: 299 - Emergency Protective Measures
 Please Indicate the Project Type: Neither Alternate nor Improved
 Application Title: SCBAK40 - Emergency Berms
 Category: B.PROTECTIVE MEASURES
 Percentage Work Completed? 0.0 %
 As of Date: 04-04-2018

Comments
Attachments

Damage Facilities (Part 1 of 2)

Facility (Site) Number	Facility (Site) Name	Address	County	City	State	ZIP	Previously Damaged?	Action
1	Emergency Berms		St. Johns		FL		No	

Comments						
04/08/20 - Email from Kim Schoffel, FDEM to Annie Ford, FEMA. Time Extension has been drafted and is pending GAR signature. -Annie Ford, FEMA Florida FIT						
Attachments						
User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
ROBERT GLASSEN	04-06-2018	Additional Information	Engineering Report		1 - Engineers Report on St Johns County CAT B.pdf(2.80 Mb)	View

ROBERT GLASSEN	04-06-2018	Map	Location Maps (Pre and Post Storm)		2 - Beach Reach Location Maps 1 through 9.pdf(2.77 Mb)	View
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Facility (Site) Name:	Emergency Berms
Address 1:	
Address 2:	
County:	St. Johns
City:	
State:	FL
ZIP:	
Damage Category:	
Was this facility (site) previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	<p>PA-04-FL-4283-PW-01061(0): The project is located on the Atlantic coast intermittently between Florida Department of Environmental Protection (FDEP) Monuments R-1 and R-209.</p> <p>Northern End of Project at Monument R-1: 30.252931, -81.380869 Southern End of Project at Monument R-209: 29.672008, -81.214031</p> <p>As detailed in Attachment 1, Table 1, the length of the County from R-1 to R-209 can be separated into 13 beach reaches. However, this project excludes Reach 3 (Guana Tolomato Matanzas National Estuarine Research Reserve), Reach 8 (Anastasia State Park), Reach 9 (the federal St. Johns County Shore Protection Project) and Reach 12 (Ft. Matanzas National Monument). These sections are not the responsibility of the Applicant (St. Johns County).</p>
Damage Description and Dimensions:	<p>PA-04-FL-4283-PW-01061(0): During the declared incident period from October 3, 2016, to October 19, 2016, Hurricane Matthew caused storm surge and wave action that resulted in beach and dune erosion in St. Johns County, Florida. A major disaster, DR-4283-FL, was declared on October 8, 2016.</p> <p>Hurricane Matthew caused extensive erosion of the natural beach/dune system. Several substantial dune breaches resulted from the event, which led to widespread flooding in neighborhoods adjacent to the beach reaches that are the subject of this Project Worksheet.</p> <p>As stated in the Public Assistance Program and Policy Guide (FP-104-009-2, pp.78-79), if a natural... beach has eroded to a point where a 5-year flood could damage improved property, cost-effective emergency protective measures on the beach that protect against damage from that flood are eligible (44 CFR 206.225 (a)(3)).</p> <p>The two components for evaluation of potential future risk of a 5-year storm to improved property are: 1) Stillwater Elevation which is the summation of local astronomical tides and storm surge height estimated for a 5-year event; and 2) Wave Runup which is derived from computer modeling using wave data for a 5-year event.</p> <p>Stillwater level (SWL) estimates for a 5-year storm in St. Johns County are shown in Table A-1 of Attachment 1 and range from 4.2 to 4.4 FT (NAVD88). The methodology used to calculate potential wave runup ranges from a 5-year storm is detailed in Appendix A of Attachment 1 and ranges from 7.8 to 10.9 FT NAVD88. SWL plus runup for a 5-year storm was estimated to range from 12.2 to 15.1 FT</p>

(NAVD88) (See Attachment 1, Table A-1).

These estimated SWL plus runup values were compared to the post-Matthew dune elevations to determine the locations where the beach had eroded to a point where a 5-year flood could damage improved property.

The Applicant contracted with Constantine Engineering, Inc. the Engineer of Record (EOR) to analyze Pre-storm and Post-storm LiDAR Data that were obtained from the United States Army Corps of Engineers Joint Airborne LiDAR Bathymetry Technical Center of Expertise (USACE-JALBTCX). An analysis of the June (pre-Matthew) and Nov (post-Matthew) 2016 LiDAR profiles at each Reach (approximately every 1,000 FT) was completed to determine the quantity of sand eligible for emergency berm replenishment using the following criteria:

Situation 1: Pre-Storm and Post-Storm Dune crests are above the SWL:

a. Where additional wave-run up (as shown in the modeling of a 5-Yr Storm) would exceed dune crest:

Q = 6 CY / LF or the sand necessary to restore the pre-storm profile, whichever is less.

b. Where additional wave-run up (as shown in modeling of a 5-Yr Storm) would not exceed the dune crest:

Q = 0 (No emergency sand berm is required to protect improved property from a 5-Yr storm.)

Situation 2: Pre-Storm Dune crest is above the SWL; Post-Storm Dune crest is below the SWL:

Q = the quantity of sand necessary to reach SWL +.6 CY/LF or the quantity of sand necessary to go back to pre-storm profile, whichever is less.

Situation 3: Pre-Storm Dune crest is below SWL

Q = 6 CY/LF or the quantity of sand necessary to restore the pre-storm profile, whichever is less.

The EOR applied these criteria to each of the profiles to estimate the quantity of sand eligible for emergency placement. These quantities are shown on a reach by reach basis in Appendix B of Attachment 1.

The quantities are as follows:

BEACH REACH #1 – PONTE VEDRA BEACH I:

R-1: 30.252931, -81.380869

R-23: 30.191904, -81.364144

Approximate Length = 22,822 LF

Replacement Sand = 78,358 CY (3.4 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard is located approximately 200 to 300 FT inland from the dune system and homes are often located less than 150 FT inland. (See attached: Location Map #1, Reach #1).

BEACH REACH #2 – PONTE VEDRA BEACH II:

R-23: 30.191904, -81.364144

R-46: 30.127754, -81.347772

Approximate Length = 24,106 LF

Replacement Sand = 101,338 CY (4.2 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard, located less than 600 FT inland the dune system, and homes located less than 200 FT inland. (See attached: Location Map #2, Reach #2).

BEACH REACH #4 – SOUTH PONTE VEDRA BEACH I:

R-67: 30.068446, -81.333530

R-84: 30.020140, -81.322449

Approximate Length = 17,921 LF

Replacement Sand = 95,477 CY (5.3 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard (SR A1A) is located less than 200 FT inland from the dune system and homes are often located less than 100 FT inland. (See attached: Location Map #4, Reach #4).

BEACH REACH #5 – SOUTH PONTE VEDRA BEACH II:

R-84: 30.020140, -81.322449

R-100: 29.976017, -81.311119

Approximate Length = 16,447 LF

Replacement Sand = 45,291 CY (2.8 CY / LF)

Endangered Improved Property: SR A1A is located approximately 200 FT inland from the dune system, and many homes are located less than 100 FT inland. (See attached: Location Map #5, Reach #5).

BEACH REACH #6 – SOUTH PONTE VEDRA BEACH III:

R-100: 29.976017, -81.311119

R-117: 29.929128, -81.296217

Approximate Length = 17,703 LF

Emergency Sand Placement = 43,973 CY (2.5 CY / LF)

Endangered Improved Property: In some locations, SR A1A is located less than 150 FT from the Mean High Water (MHW) elevation and some homes are located less than 100 FT from MHW. (See attached: Location Map #6, Reach #6).

BEACH REACH #7 – VILANO BEACH:

R-117: 29.929128, -81.296217

R-122: 29.915056, -81.289811

Approximate Length = 5,508 LF

Emergency Sand Placement = 14,780 CY (2.7 CY / LF)

Endangered Improved Property: In some locations SR A1A is located less than 200 FT inland from the dune system and some homes are located less than 200 FT inland from the dune system. (See attached: Location Map #7, Reach #7).

BEACH REACH #10 – BUTLER BEACH:

R-151: 29.832208, -81.264581

R-173: 29.771939, -81.253489

Approximate Length = 22,272 LF
 Emergency Sand Placement = 65,483 CY (2.9 CY / LF)

Endangered Improved Property: Some local roads are located less than 400 FT inland from the dune system and some homes are located less than 400 FT inland. (See attached: Location Map #10, Reach #10).

BEACH REACH #11 – CRESCENT BEACH:

R-173: 29.771939, -81.253489
 R-194: 29.717161, -81.230789
 Approximate Length = 20,811 LF
 Emergency Sand Placement = 95,416 CY (4.6 CY / LF)

Endangered Improved Property: In some locations, SR A1A is located less than 500 FT inland from the dune system, and homes are located less than 200 FT inland. (See attached: Location Map #11, Reach #11).

BEACH REACH #13 – SUMMER HAVEN BEACH:

R-197: 29.704106, -81.227547
 R-209: 29.672008, -81.214031.
 Approximate Length = 7,976 LF (Not including the Summer Haven River Restoration Project)*
 Emergency Sand Placement = 45,280 CY (5.7 CY / LF)

*This reach includes the Summer Haven River Restoration Project. This section is not included in this Project Worksheet.

Endangered Improved Property: In some locations, Hwy A1A is located less than 200 FT from MHW and some homes are located less than 150 FT from MHW (See attached: Location Map #13, Reach #13).

NOTE: As shown in Attachment 1, Appendix B, this project does not propose to place sand in front of the revetment (R-198.4 to R-200) or the uninhabited (R-200 to R-202) area where there is no improved property in need of protection.

The total quantity of sand (all beach reaches) required for emergency placement = 585,396 CY (See Attachment 1, Table 6)

Scope of Work:

PA-04-FL-4283-PW-01061(0):
 WORK TO BE COMPLETED

The Applicant intends to use Contract Services to install CAT B Emergency Berms constructed of 585,396 CY of beach compatible sand. These CAT B Emergency Berms will be designed to help protect improved property from a 5-year event.

COST ESTIMATE:

All-Inclusive Unit Costs calculated for each Beach Reach, based on average of proximate upland sources were completed by the Engineer of Record and are shown in Attachment 1, Table 6.

This cost estimate is based upon an investigation of sand sources conducted by the EOR in early 2017. The investigation determined native beach sand

characteristics on a reach by reach basis countywide, and searched for upland sand mines within a 50-60 mile distance from the proposed placement locations to develop a list of mines (and specific sand products) which could provide beach quality sands for each reach.

For the upland sand mines, operators provided typical material costs – updated in Jul 2017 – for their products (competitive bidding may reduce these material costs). Transportation costs were based on recent (pre-investigation) bids and contracted prices for truck haul projects. Placement costs were estimated considering beach access points and haul distance along the beach. Finally, experience with previous projects was used to estimate costs for permitting, design, bidding, and construction administration.

The Applicant intends to follow its Standard Procurement Policy Procedure for bidding/awarding contracts to complete the work necessary to complete this Project (See Attachment 3, St Johns County Procurement Policy).

In summary the estimated costs (low estimate) are as follows:

Placement Volume* = 585,396 CY

Approximate Unit Sand Cost** (Low Average) = \$24 / CY

In-Place Sand Cost** = \$13,815,890

Design, Construction Administration / Monitoring, Etc.*** = \$2,763,178

Total Estimated Total Sand Placement Costs (Low) = \$16,579,068.

Pre-Construction Engineering Support**** = \$210,417.75

Total Contract Costs

FEMA Cost Code 9001 = \$16,579,068. + \$210,417.75 = \$16,789,485.75

Estimate Notes:

*Estimated using the criteria detailed in the above Damage Description

**Includes material, transportation and placement

***Includes engineering, bidding, permitting, construction administration and monitoring

****Includes engineering report preparation and support through 2/28/18 (see Attachment 4A).

ENVIRONMENTAL COMPLIANCE:

The planned Project will be constructed under the required FDEP and US Army Corps of Engineers Permits. The permits for Hurricane Matthew Emergency Work have not been obtained, but are budgeted within the Project Cost Estimates prepared by the EOR. The Applicant intends to obtain all necessary permits prior to initiation of this Project.

Sand sources for this CAT B Emergency Berm Project have not been finalized. The Applicant intends to solicit bids from contractors who will use beach-compatible sand from previously used, approved, commercial upland sources that include: JAXPORT (Buck Island DMMA Mine), Vulcan Materials Company (Keystone, Keuka and Grandin Mines), Edgar Minerals (Edgar Mine), and Big Horse Aggregates (Big Horse Mine). Locations of these inland sand mines are shown in Attachment 5, Truck Haul Sand Sources.

Sand quality including grain size distribution and color will be monitored during construction.

NOTE: As shown in Attachment 1, Appendix B, this project does not propose to place sand in front of the revetment (R-198.4 to R-200) or the uninhabited (R-200 to R-202) area where there is no improved property in need of protection.

DIRECT ADMINISTRATIVE COSTS (DAC):

The Applicant is requesting reimbursement for DAC as follows and has included Attachment 6, SJC DAC Report. However, the Applicant is not able to provide additional documentation (tasks completed / dates) at this time and will provide this information when DAC is invoiced.

DAC = DAC To Date (Attachment 6) + Estimated DAC (Attachment 4B*)

*Note that "Ardurra estimate for DAC for the next year would be \$125,000" in Attachment 4B is not included in DAC because it is budgeted under "Design, Construction Administration / Monitoring, Etc." above.

DAC = \$30,028.66 + \$20,000 = \$50,028.56

Total Project Cost = Contract Costs + DAC = \$16,789,485.75 + \$50,028.56*

Total Project Cost = \$16,839,514.31

*See DAC discussion above.

STANDARD COMMENTS

RECORD RETENTION: Complete records and cost documents for all approved work must be maintained for at least five years from the date of the Sub-recipient's Account Closeout. Project worksheets are subject to examination and audit by the State of Florida, and must reflect work related to disaster specific costs.

DIRECT ADMINISTRATIVE COSTS (ESTIMATED): Per FEMA Policy, Direct Administrative Costs (DAC) are eligible for Cost Reimbursement when an Applicant incurs administrative cost to track, charge and account toward a specific eligible project, which includes but is not limited to collecting, copying, filing or submitting documents to FEMA in support of its damage claim and/or damage assessment during a site visit. In this Project Worksheet, the Applicant estimated its DAC and submitted insufficient supporting documentation to detail the tasks it intends to accomplish. Therefore, FEMA Management authorizes attachment of an Applicant supplied 9901-Direct Administrative Costs Form to this Grant Application without placement of DAC as a line item 9901 cost code in the Project Cost Section.

HAZARD MITIGATION PROPOSAL: Hazard Mitigation under section 406 has been considered for this project and due to the type of work or project, effective mitigation is not feasible within the requirements of 44 CFR 206.226(c).

PROCUREMENT: The Applicant was advised by FEMA PAC and/or Project Specialist that in the seeking of proposals and letting of contracts for eligible work, the Applicant must comply with its Local, State and/or Federal procurement laws, regulations, and procedures as required by 2 CFR 317-326.

PERMITS: Federal Funding is contingent upon acquiring all necessary Federal, State and Local permits. Noncompliance with this requirement may jeopardize the receipt of federal funds. The applicant is responsible for obtaining all required permits prior to the commencement of work.

ENVIRONMENTAL AND HISTORIC PRESERVATION: Applicant must comply with all applicable environmental and historic preservation laws. Federal funding is contingent upon acquiring all necessary Federal, State and Local permits. Noncompliance with this requirement may jeopardize the receipt of federal funds.

CHANGES TO SCOPE OF WORK DESCRIBED IN THIS PW/SA (SUBGRANT APPLICATION): The applicant shall comply with all applicable codes and standards in the completion of eligible work to repair or replace damaged public facilities. Any change to the approved scope of work on a Project Worksheet (PW/SA) must be reported and approved before work begins. Failure to report changes may jeopardize Federal and State funding. In the case of a change in scope of work, the applicant shall notify the Florida Division of Emergency Management program representative prior to starting work.

INSURANCE REVIEW: The applicant is aware that all projects are subject to an insurance review as stated in 44 C.F.R. Sections 206.252 and 206.253. If applicable, an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the applicant's insurance policy which may affect the total amount of the project. Approval of this project may result in an obtain /maintain insurance requirement. The Subgrantee must comply with insurance reviewer terms and conditions upon receipt of sub-grant from the State.

COST BASIS FOR LABOR, EQUIPMENT AND MATERIALS: Costs used to formulate this project were based on Unit Costs provided by Applicant, Actual or Recent Costs and Local material cost.

AUDIT STATEMENT: All documentation related to this project worksheet is subject to audit and must reflect disaster "C" related work and project "C" specific cost. The applicant has been advised of responsibility to maintain supporting documentation (records). The type of records to be maintained is specified in FEMA policy 2 CFR Subpart F, Audit Requirements. Records must be maintained for three 3 years from the date the last project was completed or from the date final payment was received, whichever is later.

75% FEDERAL FUNDING: In accordance with 44 CFR 206.47(a) and current disaster declaration determinations, this project worksheet will be funded with the Federal Cost share at 75% of all eligible costs.

By accepting this grant the Applicant to the best of their ability acknowledges that all damages described within this Sub-grant Application and all associated costs being claimed were a direct result of the declared event, and in connection with the incident period for DR-4283 with the exception of requests for alternate or improved projects.

-- **LARGE PROJECT ADJUSTMENT, ANY CATEGORY:** When Subgrant Applications for Assistance (Project Worksheets) are written as Large Projects (\$121,800.00 or greater) not participating in the SRIA Alternative Procedures Pilot Program for Permanent Work – fixed estimated cost, an adjustment must be made during the closeout process in order to match the actual eligible dollars spent. This will require a Change (Version) to be submitted in EMMIE to capture the over-run/under-run.

Hazard Mitigation Proposal

• Is effective mitigation feasible on this facility (site)?

No

If you answered Yes to the above question, the next question is required

Will mitigation be performed on this facility (site)?

If you answered **Yes** to the above question, the next question is required

Do you wish to attach a Hazard Mitigation Proposal?		
If you answered Yes to the above question, the next two questions are required		
Please provide the Scope of Work for the estimate: (maximum 4000 characters)		
Would you like to add the Hazard Mitigation Proposal as a cost line item to the project cost?		
GIS Coordinates		
Project Location	Latitude	Longitude
Northern End of Project at R-1	30.252931	-81.380869
Southern End of Project at R-209	29.672008	-81.214031

Special Considerations

1. Does the damaged facility or item of work have insurance coverage and/or is it an insurable risk (e.g., buildings, equipment, vehicles, etc)? No
2. Is the damaged facility located within a floodplain or coastal high hazard area and/or does it have an impact on a floodplain or wetland? Yes
3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area? No
4. Will the proposed facility repairs/reconstruction change the pre-disaster conditions (e.g., footprint, material, location, capacity, use of function)? No
5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal? No
6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site? No
7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland? No
8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work? No
9. Are there any other environmental or controversial issues associated with the damaged facility and/or item of work? No

Attachments						
User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
ROBERT GLASSEN	04-09-2018	Environmental/Historic Document	Potential Sand Sources		5 - Truck Haul Sand Sources.pdf(1.57 Mb)	View

Mitigation section is not applicable for your project category.

Cost Estimate

Is this Project Worksheet for	
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(Preferred) Repair									
Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action
*** Version 0 ***									
Work To Be Completed									
1	<u>9001</u>	Contract	1	LS	\$ 16,789,485.75	CONSTRUCTION	Work To Be Completed	\$ 16,789,485.75	
Direct Subgrantee Admin Cost									

2	9901	Direct Administrative Costs (Subgrantee)	1	LS	\$ 50,028.56	INDIRECT CHARGES	Direct Subgrantee Admin Cost	\$ 50,028.56
							Total Cost :	\$ 16,839,514.31

Insurance Adjustments (Deductibles, Proceeds and Settlements) - 5900/5901									
Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action
									Total Cost : \$ 0.00

Total Cost Estimate:							\$ 16,839,514.31		
(Preferred Estimate Type + Insurance Adjustments)									

Comments

Attachments						
User	Date	Document Type	Description	Hard Copy/ File Reference	File Name	Action
ROBERT GLASSEN	04-09-2018	Additional Information	County Purchasing Procedures		3 - PurchasingManual.pdf(1.32 Mb)	View
ROBERT GLASSEN	04-09-2018	Calculation Sheet	Direct Administrative Costs		6 - SJC DAC report v2.xlsx(20.20 kb)	View
ROBERT GLASSEN	04-16-2018	Additional Information	Pre-Construction Engineering		4A - Engineering Support_\$210,417.75 R.PDF(338.35 kb)	View
ROBERT GLASSEN	04-16-2018	Additional Information	Estimated DAC		4B - SJC Beach project Estimated DAC.pdf(37.38 kb)	View

Existing Insurance Information

Insurance Type	Policy No.	Bldg/Property Amount	Content Amount	Insurance Amount	Deductible Amount	Years Required	Facility (Site) No.
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Comments

Attachments						
User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
ALEXANDRA KIENKER	12-27-2017	Insurance Document	Flood Insurance Study		St John FIS Study Year 2011 12109CV000C 42517.pdf(7.31 Mb)	View

Comments and Attachments

Name of Section	Comment	Attachment
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Comments and Attachments

Damage Facilities	04/08/20 - Email from Kim Schoffel, FDEM to Annie Ford, FEMA. Time Extension has been drafted and is pending GAR signature. - Annie Ford, FEMA Florida FIT	<u>1 - Engineers Report on St Johns County CAT B.pdf</u> (04-06-2018) <u>2 - Beach Reach Location Maps 1 through 9.pdf</u> (04-06-2018) <u>5 - Truck Haul Sand Sources.pdf</u> (04-09-2018) <u>3 - PurchasingManual.pdf</u> (04-09-2018) <u>6 - SJC DAC report v2.xlsx</u> (04-09-2018) <u>4A - Engineering Support \$210,417.75 R.PDF</u> (04-16-2018) <u>4B - SJC Beach project Estimated DAC.pdf</u> (04-16-2018) <u>St John FIS Study Year 2011 12109CV000C 42517.pdf</u> (12-27-2017)
Special Considerations		
Cost Estimate		
Insurance Information		

Bundle Reference # (Amendment #)	Date Awarded
PA-04-FL-4283-PW-01061(1144)	04-07-2020

Subgrant Application - FEMA Form 90-91

Note: The Effective Cost Share for this application is 75%

FEDERAL EMERGENCY MANAGEMENT AGENCY PROJECT WORKSHEET								
DISASTER		PROJECT NO.		PA ID NO.	DATE	CATEGORY		
FEMA	4283	-	DR	-FL	SCBAK40	109-99109-00	04-18-2018	B
APPLICANT: ST. JOHNS (COUNTY)					WORK COMPLETE AS OF: 04-04-2018 : 0 %			
Site 1 of 1								
DAMAGED FACILITY:				COUNTY: St. Johns				
Emergency Berms								
LOCATION:					LATITUDE:	LONGITUDE:		
PA-04-FL-4283-PW-01061(0): The project is located on the Atlantic coast intermittently between Florida Department of Environmental Protection (FDEP) Monuments R-1 and R-209.					29.672008	-81.214031		
Northern End of Project at Monument R-1: 30.252931, -81.380869					30.252931	-81.380869		
Southern End of Project at Monument R-209: 29.672008, -81.214031								
As detailed in Attachment 1, Table 1, the length of the County from R-1 to R-209 can be separated into 13 beach reaches. However, this project excludes Reach 3 (Guana Tolomato Matanzas National Estuarine Research Reserve), Reach 8 (Anastasia State Park), Reach 9 (the federal St. Johns County Shore Protection Project) and Reach 12 (Ft. Matanzas National Monument). These sections are not the responsibility of the Applicant (St. Johns County).								

Current Version:

DAMAGE DESCRIPTION AND DIMENSIONS:

PA-04-FL-4283-PW-01061(0):

During the declared incident period from October 3, 2016, to October 19, 2016, Hurricane Matthew caused storm surge and wave action that resulted in beach and dune erosion in St. Johns County, Florida. A major disaster, DR-4283-FL, was declared on October 8, 2016.

Hurricane Matthew caused extensive erosion of the natural beach/dune system. Several substantial dune breaches resulted from the event, which led to widespread flooding in neighborhoods adjacent to the beach reaches that are the subject of this Project Worksheet.

As stated in the Public Assistance Program and Policy Guide (FP-104-009-2, pp.78-79), if a natural... beach has eroded to a point where a 5-year flood could damage improved property, cost-effective emergency protective measures on the beach that protect against damage from that flood are eligible (44 CFR 206.225 (a)(3)).

The two components for evaluation of potential future risk of a 5-year storm to improved property are: 1) Stillwater Elevation which is the summation of local astronomical tides and storm surge height estimated for a 5-year event; and 2) Wave Runup which is derived from computer modeling using wave data for a 5-year event.

Stillwater level (SWL) estimates for a 5-year storm in St. Johns County are shown in Table A-1 of Attachment 1 and range from 4.2 to 4.4 FT (NAVD88). The methodology used to calculate potential wave runup ranges from a 5-year storm is detailed in Appendix A of Attachment 1 and ranges from 7.8 to 10.9 FT NAVD88. SWL plus runup for a 5-year storm was estimated to range from 12.2 to 15.1 FT (NAVD88) (See Attachment 1, Table A-1).

These estimated SWL plus runup values were compared to the post-Matthew dune elevations to determine the locations where the beach had eroded to a point where a 5-year flood could damage improved property.

The Applicant contracted with Constantine Engineering, Inc. the Engineer of Record (EOR) to analyze Pre-storm and Post-storm LiDAR Data that were obtained from the United States Army Corps of Engineers Joint Airborne LiDAR Bathymetry Technical Center of Expertise (USACE-JALBTCX). An analysis of the June (pre-Matthew) and Nov (post-Matthew) 2016 LiDAR profiles at each R-monument (approximately every 1,000 FT) was completed to determine the quantity of sand eligible for emergency berm replenishment using the following criteria:

Situation 1: Pre-Storm and Post-Storm Dune crests are above the SWL:

a. Where additional wave-run up (as shown in the modeling of a 5-Yr Storm) would exceed dune crest:

$Q = 6 \text{ CY} / \text{LF}$ or the sand necessary to restore the pre-storm profile, whichever is less.

b. Where additional wave-run up (as shown in modeling of a 5-Yr Storm) would not exceed the dune crest:

$Q = 0$ (No emergency sand berm is required to protect improved property from a 5-Yr storm.)

Situation 2: Pre-Storm Dune crest is above the SWL; Post-Storm Dune crest is below the SWL:

$Q =$ the quantity of sand necessary to reach SWL + 6 CY/LF or the quantity of sand necessary to go back to pre-storm profile, whichever is less.

Situation 3: Pre-Storm Dune crest is below SWL

$Q = 6 \text{ CY/LF}$ or the quantity of sand necessary to restore the pre-storm profile, whichever is less.

The EOR applied these criteria to each of the profiles to estimate the quantity of sand eligible for emergency placement. These quantities are shown on a reach by reach basis in Appendix B of Attachment 1.

The quantities are as follows:

BEACH REACH #1 – PONTE VEDRA BEACH I:

R-1: 30.252931, -81.380869

R-23: 30.191904, -81.364144

Approximate Length = 22,822 LF

Replacement Sand = 78,358 CY (3.4 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard is located approximately 200 to 300 FT inland from the dune system and homes are often located less than 150 FT inland. (See attached: Location Map #1, Reach #1).

BEACH REACH #2 – PONTE VEDRA BEACH II:

R-23: 30.191904, -81.364144

R-46: 30.127754, -81.347772

Approximate Length = 24,106 LF

Replacement Sand = 101,338 CY (4.2 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard, located less than 600 FT inland the dune system, and homes located less than 200 FT inland. (See attached: Location Map #2, Reach #2).

BEACH REACH #4 – SOUTH PONTE VEDRA BEACH I:

R-67: 30.068446, -81.333530
 R-84: 30.020140, -81.322449
 Approximate Length = 17,921 LF
 Replacement Sand = 95,477 CY (5.3 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard (SR A1A) is located less than 200 FT inland from the dune system and homes are often located less than 100 FT inland. (See attached: Location Map #4, Reach #4).

BEACH REACH #5 – SOUTH PONTE VEDRA BEACH II:

R-84: 30.020140, -81.322449
 R-100: 29.976017, -81.311119
 Approximate Length = 16,447 LF
 Replacement Sand = 45,291 CY (2.8 CY / LF)

Endangered Improved Property: SR A1A is located approximately 200 FT inland from the dune system, and many homes are located less than 100 FT inland. (See attached: Location Map #5, Reach #5).

BEACH REACH #6 – SOUTH PONTE VEDRA BEACH III:

R-100: 29.976017, -81.311119
 R-117: 29.929128, -81.296217
 Approximate Length = 17,703 LF
 Emergency Sand Placement = 43,973 CY (2.5 CY / LF)

Endangered Improved Property: In some locations, SR A1A is located less than 150 FT from the Mean High Water (MHW) elevation and some homes are located less than 100 FT from MHW. (See attached: Location Map #6, Reach #6).

BEACH REACH #7 – VILANO BEACH:

R-117: 29.929128, -81.296217
 R-122: 29.915056, -81.289811
 Approximate Length = 5,508 LF
 Emergency Sand Placement = 14,780 CY (2.7 CY / LF)

Endangered Improved Property: In some locations SR A1A is located less than 200 FT inland from the dune system and some homes are located less than 200 FT inland from the dune system. (See attached: Location Map #7, Reach #7).

BEACH REACH #10 – BUTLER BEACH:

R-151: 29.832208, -81.264581
 R-173: 29.771939, -81.253489
 Approximate Length = 22,272 LF
 Emergency Sand Placement = 65,483 CY (2.9 CY / LF)

Endangered Improved Property: Some local roads are located less than 400 FT inland from the dune system and some homes are located less than 400 FT inland. (See attached: Location Map #10, Reach #10).

BEACH REACH #11 – CRESCENT BEACH:

R-173: 29.771939, -81.253489
 R-194: 29.717161, -81.230789
 Approximate Length = 20,811 LF
 Emergency Sand Placement = 95,416 CY (4.6 CY / LF)

Endangered Improved Property: In some locations, SR A1A is located less than 500 FT inland from the dune system, and homes are located less than 200 FT inland. (See attached: Location Map #11, Reach #11).

BEACH REACH #13 – SUMMER HAVEN BEACH:

R-197: 29.704106, -81.227547
 R-209: 29.672008, -81.214031
 Approximate Length = 7,976 LF (Not including the Summer Haven River Restoration Project)*
 Emergency Sand Placement = 45,280 CY (5.7 CY / LF)

*This reach includes the Summer Haven River Restoration Project. This section is not included in this Project Worksheet.

Endangered Improved Property: In some locations, Hwy A1A is located less than 200 FT from MHW and some homes are located less than 150 FT from

MHW (See attached: Location Map #13, Reach #13).

NOTE: As shown in Attachment 1, Appendix B, this project does not propose to place sand in front of the revetment (R-198.4 to R-200) or the uninhabited (R-200 to R-202) area where there is no improved property in need of protection.

The total quantity of sand (all beach reaches) required for emergency placement = 585,396 CY (See Attachment 1, Table 6)

Current Version:

SCOPE OF WORK:

PA-04-FL-4283-PW-01061(0):
WORK TO BE COMPLETED

The Applicant intends to use Contract Services to install CAT B Emergency Berms constructed of 585,396 CY of beach compatible sand. These CAT B Emergency Berms will be designed to help protect improved property from a 5-year event.

COST ESTIMATE:

All-Inclusive Unit Costs calculated for each Beach Reach, based on average of proximate upland sources were completed by the Engineer of Record and are shown in Attachment 1, Table 6.

This cost estimate is based upon an investigation of sand sources conducted by the EOR in early 2017. The investigation determined native beach sand characteristics on a reach by reach basis countywide, and searched for upland sand mines within a 50-60 mile distance from the proposed placement locations to develop a list of mines (and specific sand products) which could provide beach quality sands for each reach.

For the upland sand mines, operators provided typical material costs – updated in Jul 2017 – for their products (competitive bidding may reduce these material costs). Transportation costs were based on recent (pre-investigation) bids and contracted prices for truck haul projects. Placement costs were estimated considering beach access points and haul distance along the beach. Finally, experience with previous projects was used to estimate costs for permitting, design, bidding, and construction administration.

The Applicant intends to follow its Standard Procurement Policy Procedure for bidding/awarding contracts to complete the work necessary to complete this Project (See Attachment 3, St Johns County Procurement Policy).

In summary the estimated costs (low estimate) are as follows:

Placement Volume* = 585,396 CY

Approximate Unit Sand Cost** (Low Average) = \$24 / CY

In-Place Sand Cost** = \$13,815,890

Design, Construction Administration / Monitoring, Etc.*** = \$2,763,178

Total Estimated Total Sand Placement Costs (Low) = \$16,579,068.

Pre-Construction Engineering Support**** = \$210,417.75

Total Contract Costs

FEMA Cost Code 9001 = \$16,579,068. + \$210,417.75 = \$16,789,485.75

Estimate Notes:

*Estimated using the criteria detailed in the above Damage Description

**Includes material, transportation and placement

***Includes engineering, bidding, permitting, construction administration and monitoring

****Includes engineering report preparation and support through 2/28/18 (see Attachment 4A).

ENVIRONMENTAL COMPLIANCE:

The planned Project will be constructed under the required FDEP and US Army Corps of Engineers Permits. The permits for Hurricane Matthew Emergency Work have not been obtained, but are budgeted within the Project Cost Estimates prepared by the EOR. The Applicant intends to obtain all necessary permits prior to initiation of this Project.

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Sand quality including grain size distribution and color will be monitored during construction.

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DAC = DAC To Date (Attachment 6) + Estimated DAC (Attachment 4B*)

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DAC = \$30,028.66 + \$20,000 = \$50,028.56

Total Project Cost = Contract Costs + DAC = \$16,789,485.75 + \$50,028.56*

Total Project Cost = \$16,839,514.31

*See DAC discussion above.

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CHANGES TO SCOPE OF WORK DESCRIBED IN THIS PW/SA (SUBGRANT APPLICATION): The applicant shall comply with all applicable codes and standards in the completion of eligible work to repair or replace damaged public facilities. Any change to the approved scope of work on a Project Worksheet (PW/SA) must be reported and approved before work begins. Failure to report changes may jeopardize Federal and State funding. In the case of a change in scope of work, the applicant shall notify the Florida Division of Emergency Management program representative prior to starting work.

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By accepting this grant the Applicant to the best of their ability acknowledges that all damages described within this Sub-grant Application and all associated costs being claimed were a direct result of the declared event, and in connection with the incident period for DR-4283 with the exception of requests for alternate or improved projects.

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be made during the closeout process in order to match the actual eligible dollars spent. This will require a Change (Version) to be submitted in EMMIE to capture the over-run/under-run.

Current Version:

Does the Scope of Work change the pre-disaster conditions at the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Special Considerations included? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Hazard Mitigation proposal included? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is there insurance coverage on this facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	---

PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
		*** Version 0 ***			
		Work To Be Completed			
1	9001	Contract	1/LS	\$ 16,789,485.75	\$ 16,789,485.75
		Direct Subgrantee Admin Cost			
2	9901	Direct Administrative Costs (Subgrantee)	1/LS	\$ 50,028.56	\$ 50,028.56
				TOTAL COST	\$ 16,839,514.31
PREPARED BY ROBERT C GLASSEN		TITLE Project Specialist	SIGNATURE		
APPLICANT REP. Jesse Dunn		TITLE Director OMB	SIGNATURE		

ST. JOHNS (COUNTY) : PA-04-FL-4283-PW-01061

Conditions Information

Review Name	Condition Type	Condition Name	Description	Monitored	Status
Final Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Approved
Final Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Approved
Final Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Any changes to the approved scope of work will require submission to, evaluation, and approval by the State of Florida and FEMA prior to initiation of any work, for compliance with Section 106 of the NHPA.	No	Approved
Final Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Prior to conducting repairs, applicant must identify the source and location of fill material and provide this information to FDEM and FEMA. If the borrow pit is privately owned, or is located on previously undisturbed land, or if the fill is obtained by the horizontal expansion of a pre-existing borrow pit, FEMA consultation with the State Historic Preservation Officer will be required. Failure to comply with this condition may jeopardize FEMA funding; verification of compliance will be required at project closeout.	No	Approved

ST. JOHNS (COUNTY) : PA-04-FL-4283-PW-01061					
Conditions Information					
Final Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Approved
Final Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: If human remains or intact archaeological deposits are uncovered, work in the vicinity of the discovery will stop immediately and all reasonable measures to avoid or minimize harm to the finds will be taken. The applicant will assure that archaeological discoveries are secured in place, that access to the sensitive area is restricted, and that all reasonable measures are taken to avoid further disturbance of the discoveries. The applicant's contractor will provide immediate notice of such discoveries to the applicant. The applicant will contact the Florida Division of Historical Resources and FEMA within 24 hours of the discovery. Work in the vicinity of the discovery may not resume until FEMA has completed consultation with the State Historic Preservation Office, tribes, and other consulting parties as necessary. If unmarked human remains are encountered during permitted activities, all work will stop immediately, and the proper authorities will be notified in accordance with Florida Statutes, Section 872.05.	No	Approved
Final Review	Other (EHP)	Coastal Zone Management Act (CZMA)	CZMA CONDITION: The subgrantee is responsible for coordinating with and obtaining any required permit(s) from FDEP Bureau of Beaches and Coastal Systems. Subgrantee must obtain a Joint Coastal Permit (JCP) permit prior to initiating work or verification that no permit was required. The subgrantee shall comply with all conditions of the required permit. All coordination pertaining to these activities should be documented and compliance maintained in their permanent files. Best Management Practice's (BMP's) should be followed. Failure to comply with these conditions may jeopardize FEMA funding; verification of compliance will be required at project closeout.	No	Approved

ST. JOHNS (COUNTY) : PA-04-FL-4283-PW-01061**Conditions Information**

Final Review	Other (EHP)	Clean Water Act (CWA)	CWA CONDITION: The subgrantee is responsible for coordinating with and obtaining any required Section 404 permit(s) from the United States Army Corps of Engineers (USACE) and 401 permit(s) from the responsible state or tribal agency prior to initiating work. The subgrantee shall comply with all conditions and pre-construction notification requirements of the required permit(s), including any applicable regional conditions. All coordination pertaining to these activities or compliance with applicable permits must be documented and maintained in the subgrantee's permanent files. Copies must be forwarded to the Recipient (state or tribal EMA) and FEMA as part of the permanent project file. Failure to comply with this requirement may jeopardize receipt of federal funds.	No	Approved
Final Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Construction vehicles and equipment will be stored onsite during the project or at existing access points within the applicant's right-of-way.	No	Approved
EHP Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Recommended
EHP Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Any changes to the approved scope of work will require submission to, evaluation, and approval by the State of Florida and FEMA prior to initiation of any work, for compliance with Section 106 of the NHPA.	No	Recommended
EHP Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Prior to conducting repairs, applicant must identify the source and location of fill material and provide this information to FDEM and FEMA. If the borrow pit is privately owned, or is located on previously undisturbed land, or if the fill is obtained by the horizontal expansion of a pre-existing borrow pit, FEMA consultation with the State Historic Preservation Officer will be required. Failure to comply with this condition may jeopardize FEMA funding; verification of compliance will be required at project closeout.	No	Recommended

ST. JOHNS (COUNTY) : PA-04-FL-4283-PW-01061**Conditions Information**

EHP Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Construction vehicles and equipment will be stored onsite during the project or at existing access points within the applicant's right-of-way.	No	Recommended
EHP Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: If human remains or intact archaeological deposits are uncovered, work in the vicinity of the discovery will stop immediately and all reasonable measures to avoid or minimize harm to the finds will be taken. The applicant will assure that archaeological discoveries are secured in place, that access to the sensitive area is restricted, and that all reasonable measures are taken to avoid further disturbance of the discoveries. The applicant's contractor will provide immediate notice of such discoveries to the applicant. The applicant will contact the Florida Division of Historical Resources and FEMA within 24 hours of the discovery. Work in the vicinity of the discovery may not resume until FEMA has completed consultation with the State Historic Preservation Office, tribes, and other consulting parties as necessary. If unmarked human remains are encountered during permitted activities, all work will stop immediately, and the proper authorities will be notified in accordance with Florida Statutes, Section 872.05.	No	Recommended
EHP Review	Other (EHP)	Clean Water Act (CWA)	CWA CONDITION: The subgrantee is responsible for coordinating with and obtaining any required Section 404 permit(s) from the United States Army Corps of Engineers (USACE) and 401 permit(s) from the responsible state or tribal agency prior to initiating work. The subgrantee shall comply with all conditions and pre-construction notification requirements of the required permit(s), including any applicable regional conditions. All coordination pertaining to these activities or compliance with applicable permits must be documented and maintained in the subgrantee's permanent files. Copies must be forwarded to the Recipient (state or tribal EMA) and FEMA as part of the permanent project file. Failure to comply with this requirement may jeopardize receipt of federal funds.	No	Recommended

ST. JOHNS (COUNTY) : PA-04-FL-4283-PW-01061**Conditions Information**

EHP Review	Other (EHP)	Coastal Zone Management Act (CZMA)	CZMA CONDITION: The subgrantee is responsible for coordinating with and obtaining any required permit(s) from FDEP Bureau of Beaches and Coastal Systems. Subgrantee must obtain a Joint Coastal Permit (JCP) permit prior to initiating work or verification that no permit was required. The subgrantee shall comply with all conditions of the required permit. All coordination pertaining to these activities should be documented and compliance maintained in their permanent files. Best Management Practices (BMPs) should be followed. Failure to comply with these conditions may jeopardize FEMA funding; verification of compliance will be required at project closeout.	No	Recommended
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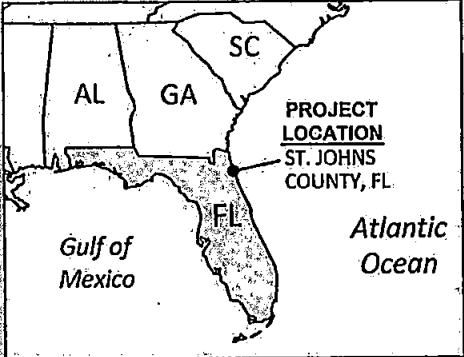
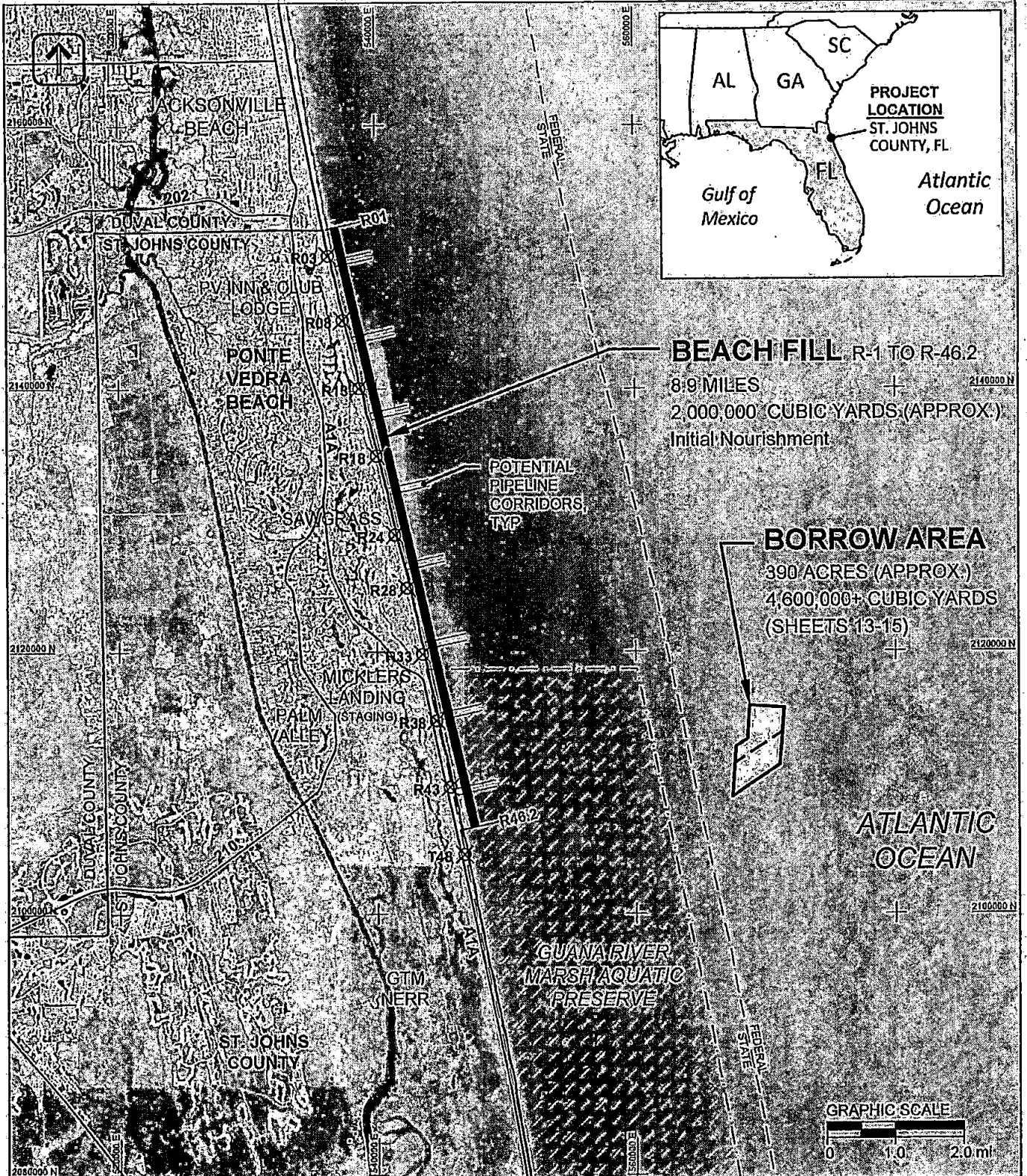
Internal Comments

No.	Queue	User	Date/Time	Reviewer Comments
13	Award Review	QUARLES TERRY	04-07-2020 06:58 PM GMT	SF-424 has been submitted
12	<u>OLA Review</u>	SYSTEM	04-03-2020 01:05 AM GMT	DHS Section 507 embargo until April 3, 2020.
11	<u>OLA Review</u>	BROMLEY-WENGER STACY	04-01-2020 01:18 PM GMT	DHS Section 507 embargo until April 3, 2020.
10	<u>OLA Review</u>	BROMLEY-WENGER STACY	03-30-2020 05:46 PM GMT	Public Assistance Division (HQ) has reviewed and approved the following Subgrant Application.
9	<u>OLA Review</u>	BROMLEY-WENGER STACY	03-30-2020 05:45 PM GMT	Public Assistance Division (HQ) has reviewed and approved the following Subgrant Application.
8	<u>OLA Review</u>	KIMBALL ROBERT	03-30-2020 03:36 PM GMT	Public Assistance Division (HQ) has reviewed and approved the following Subgrant Application.
7	<u>Grantee Review</u>	GIPSON DARRYN	12-13-2019 02:44 PM GMT	12/13/2019 Dgipson- APPROVED- Grantee deems application eligible

Internal Comments				
No.	Queue	User	Date/Time	Reviewer Comments
6	EHP Review	HYATT LARISSA	11-08-2019 05:10 PM GMT	<p>SOW: St. Johns (County), (county-wide), Category B, 0% Complete, Total Cost: \$16,839,514.31, Applicant will install emergency beach berms along a total of nine (9) beach reaches, spanning approximately 30.6 miles within a 41.5-mile stretch of coastline, by placing approximately 585,396 CY of beach-compatible sand from upland sources between FDEP reference monuments R-1 (30.252931, -81.380869) on the north end and R-209 (29.672008, -81.214031) on the south end. The Applicant intends to complete the sand replacement in conjunction with sand loss from DR-4337-FL, Hurricane Irma. - acalhou2 - 11/08/2019 16:39:44 GMT</p> <p>CBRA: Per consultation with USFWS conducted on 01/04/2019. USFWS concurrence with this determination was received, dated 02/04/2019. See attached correspondence. - acalhou2 - 11/08/2019 16:50:11 GMT</p> <p>CWA: SEE CONDITIONS. - acalhou2 - 11/08/2019 16:51:13 GMT</p> <p>CZMA: Consistency review by Florida Clearinghouse completed on September 6, 2019. SEE CONDITION. - acalhou2 - 11/08/2019 16:51:42 GMT</p> <p>EO 11990: A review of the National Wetland Inventory (NWI) online mapper, accessed on 12/29/2018, indicates that portions of the project may be located within a designated wetland. 8-Step completed as part of the EO 11988 review. - acalhou2 - 11/08/2019 16:55:24 GMT</p> <p>ESA: Per USFWS PBO dated 04/03/2008 regarding beach berms, the proposed project falls under Conservation Measures. SEE CONDITIONS. - acalhou2 - 11/08/2019 16:45:42 GMT</p> <p>MBTA: Per attached BO (ESA), the applicant is required to comply with FL Fish and Wildlife Commissions Nesting Bird Guidelines. Applicant permitting also includes monitoring, reporting, and conservation requirements for birds. - acalhou2 - 11/08/2019 16:53:02 GMT</p> <p>MSA: No hardbottom or submerged aquatic vegetation present in project area. - acalhou2 - 11/08/2019 16:53:15 GMT</p> <p>EO 11988: The project is located in a Zone VE per St. Johns County FIRM Panel # 12109C0019J, 12109C0082J, 12109C0101J, 12109C0103J, 12109C0111J, 12109C0113J, 12109C0204J, 12109C0212J, 12109C0214J, 12109C0302J, 12109C0306J, 12109C0308J, 12109C0316J, 12109C0384J, 12109C0392J, 12109C0394J, 12109C0413J, 12109C0501J, 12109C0503J, 12109C0511J, and 12109C0512J, dated 12/07/2018. See 8-step checklist attached. - acalhou2 - 11/08/2019 16:53:41 GMT</p> <p>NHPA: FEMA has determined that there will be No Adverse Effect to historic properties. SHPO concurrence with this determination was received, dated 05/21/2019. SEE CONDITIONS. - acalhou2 - 11/08/2019 16:44:51 GMT</p>
5	<u>Initial Review (EHP Rework)</u>	WALL DAVID	10-16-2018 12:40 PM GMT	SCBAK40 - Emergency Berms : PA-04-FL-4283-PW-01061(0) P is resubmitted back to EHP.
4	<u>Initial Review (EHP Rework)</u>	WALL DAVID	10-16-2018 12:38 PM GMT	SCBAK40 - Emergency Berms : PA-04-FL-4283-PW-01061(0) P is resubmitted back to EHP after QAQC policy evaluation. dgw 07-07-18
3	<u>Initial Review (EHP Rework)</u>	WALL DAVID	09-18-2018 11:27 AM GMT	SCBAK40 - Emergency Berms : PA-04-FL-4283-PW-01061(0) P is resubmitted back to EHP after QAQC policy evaluation. dgw 07-07-18
2	<u>Initial Review (EHP Rework)</u>	WALL DAVID	07-06-2018 05:16 PM GMT	SCBAK40 - Emergency Berms : PA-04-FL-4283-PW-01061(0) P is resubmitted back to EHP after QAQC policy evaluation. dgw 07-07-18

Internal Comments				
No.	Queue	User	Date/Time	Reviewer Comments
1	<u>Initial Review</u>	WALL DAVID	04-18-2018 07:12 PM GMT	Emergency Berms : PA-04-FL-4283-PW-01061(0) is determined eligible in initial review.

[Go Back](#)



BEACH FILL R-1 TO R-46.2
8.9 MILES
2,000,000 CUBIC YARDS (APPROX.)
Initial Nourishment

BORROW AREA
390 ACRES (APPROX.)
4,600,000+ CUBIC YARDS
(SHEETS 13-15)

- NOTES:**
1. H. DATUM - NAD83 SPC FL EAST
 2. IMAGE (GOOGLE, 12/2018)

Township: 3S, 4S
Range: 29 E
Section: (3S) 15, 22, 27, 45, 35
(4S) 2, 11, 45, 14, 23, 24, 25

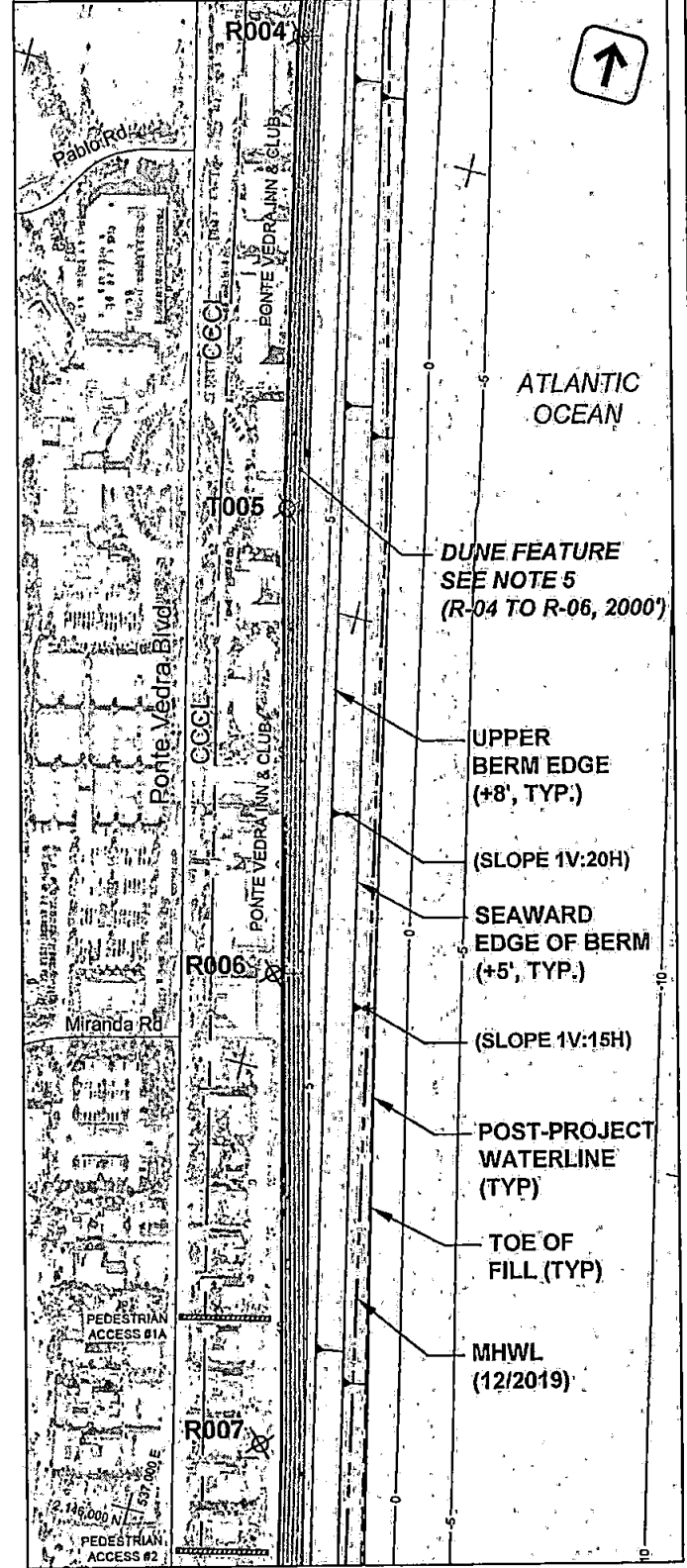
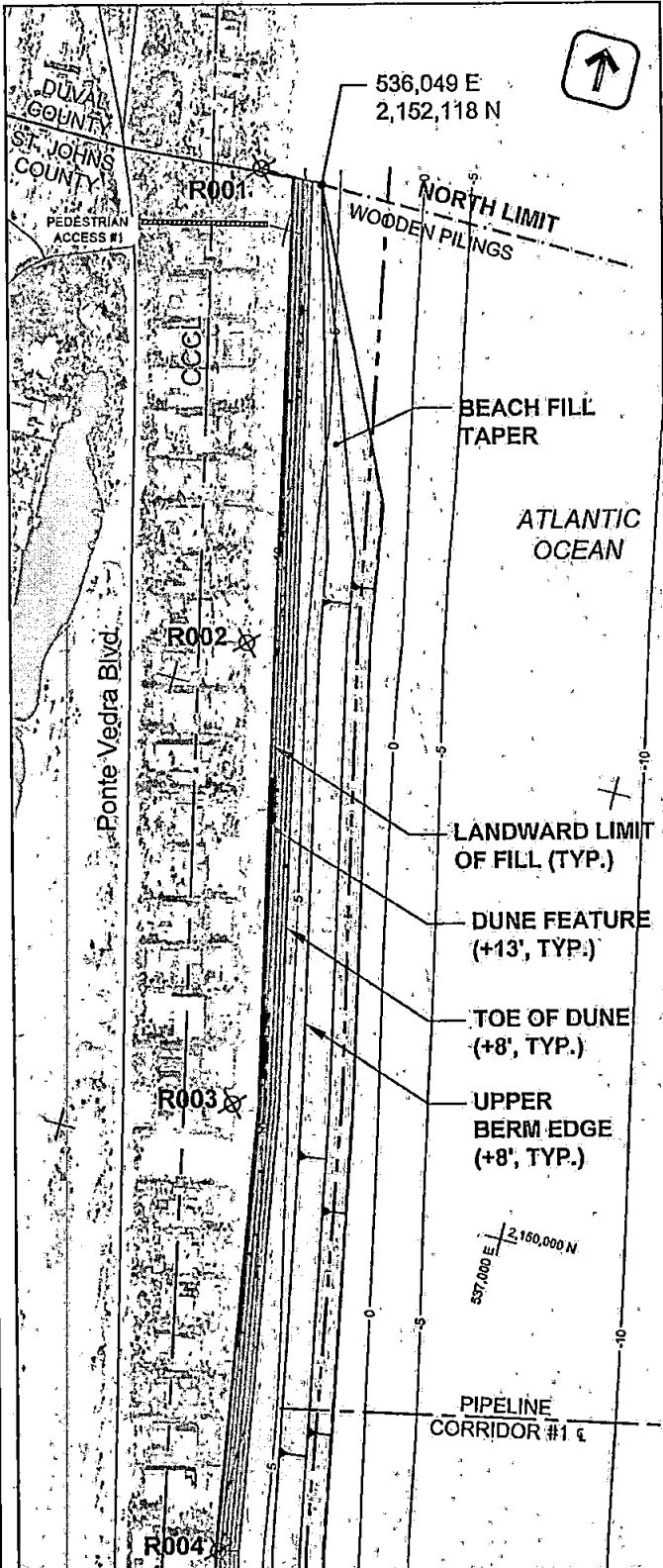
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(FAX) 384-7388
COA 00003491

**PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT**

PROJECT SITE LOCATION

This item has been digitally signed and sealed by Albert Edward Browder, P.E. on 15 September 2020 using a digital signature. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

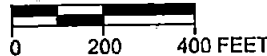
REV	DATE:	09/10/2020
		DRAWN BY: ML
		SHEET 1 of 15



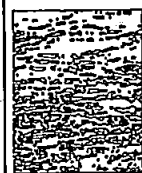
NOTES:

1. H. DATUM - NAD83 SPC FL EAST
2. V. DATUM - NAVD88, FT
3. IMAGE DATE: 02/2019
4. BEACH SURVEY: 12/2019
5. DUNE CONSTRUCTION PENDING UPLAND APPROVAL

GRAPHIC SCALE



Township: 3S, 4S
Range: 29 E
Section: (3S)15,22,27,45,35
(4S) 2,11,45,14,23,24,25

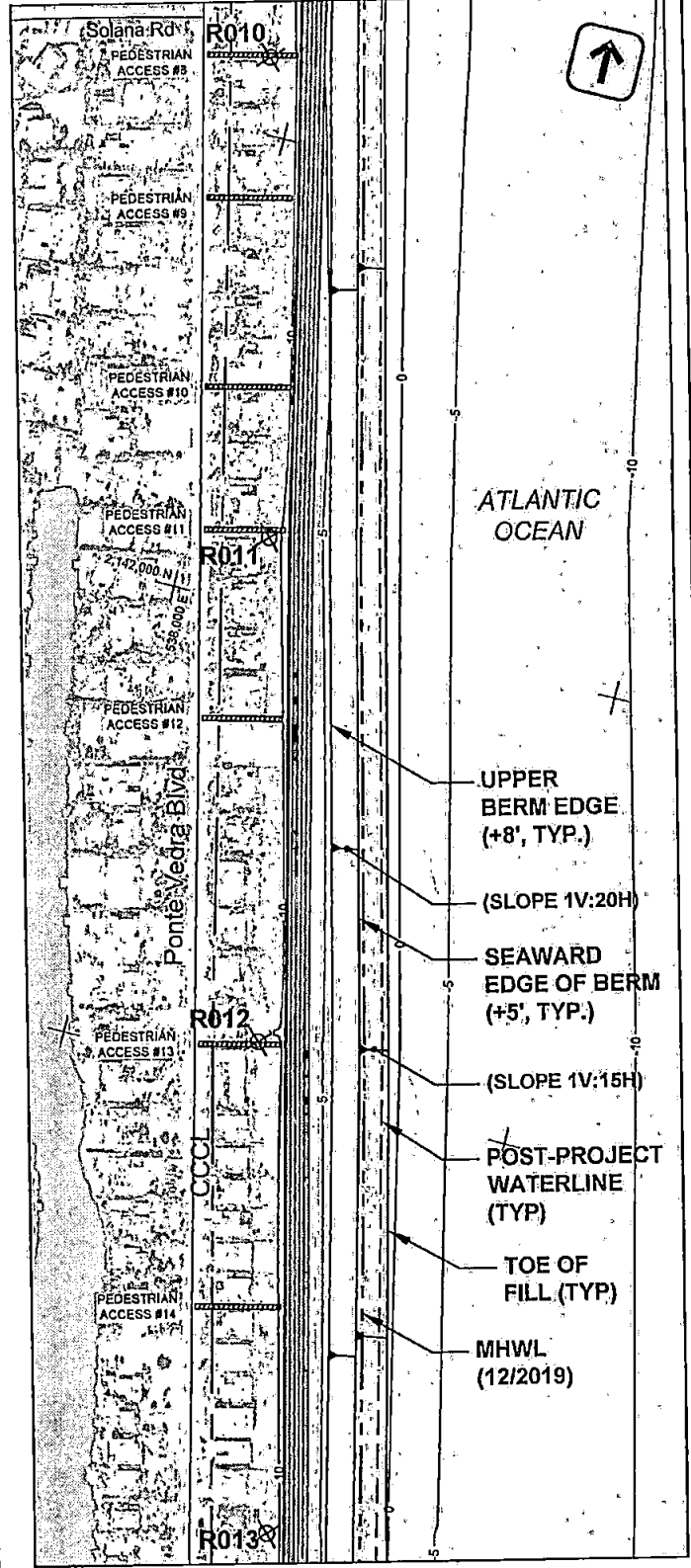
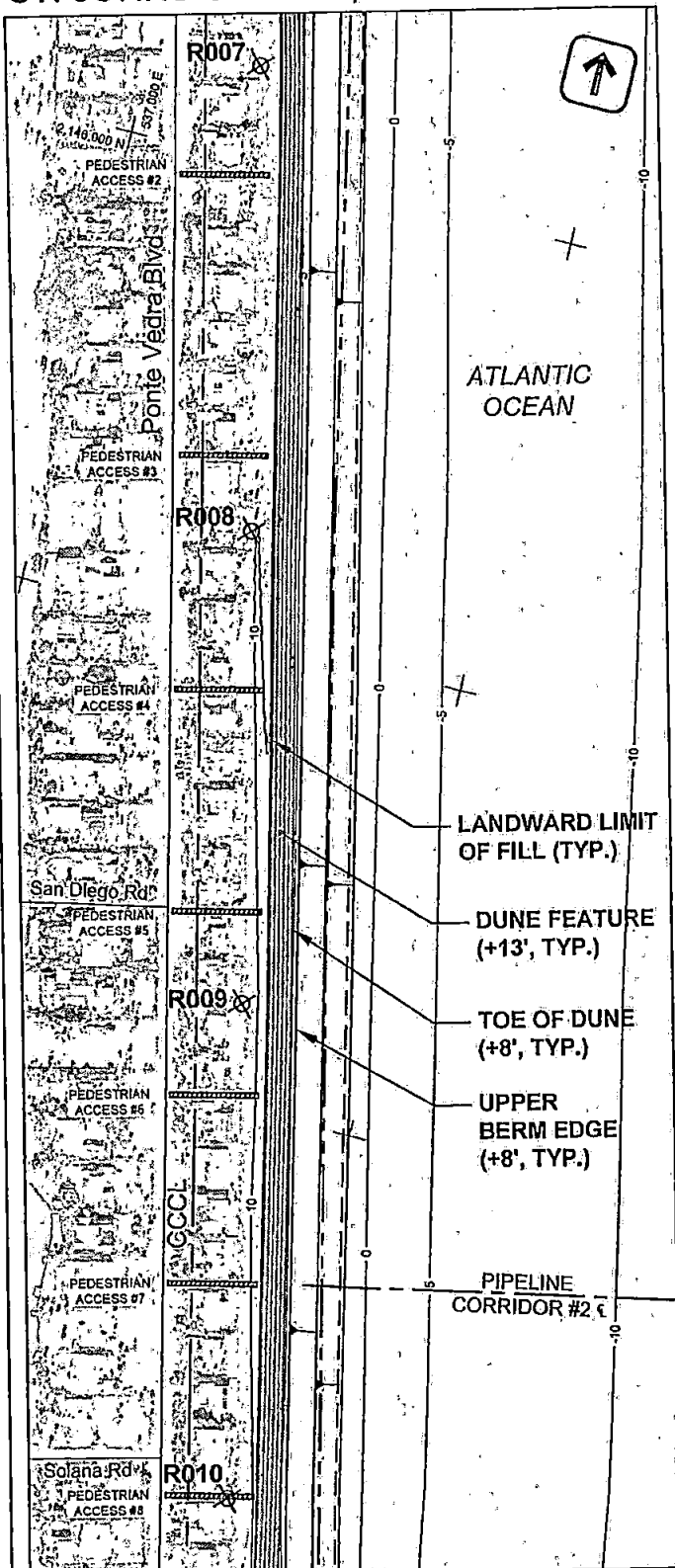


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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

BEACH FILL: PLAN

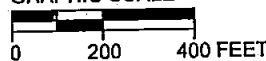
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		SHEET 2 of 15



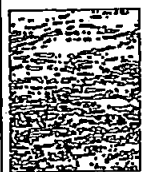
NOTES:

1. H. DATUM - NAD83 SPC FL EAST
2. V. DATUM - NAVD88, FT
3. IMAGE DATE: 02/2019
4. BEACH SURVEY: 12/2019

GRAPHIC SCALE



Township: 3S, 4S
Range: 29 E
Section: (3S)15,22,27,45,35
(4S) 2,11,45,14,23,24,25

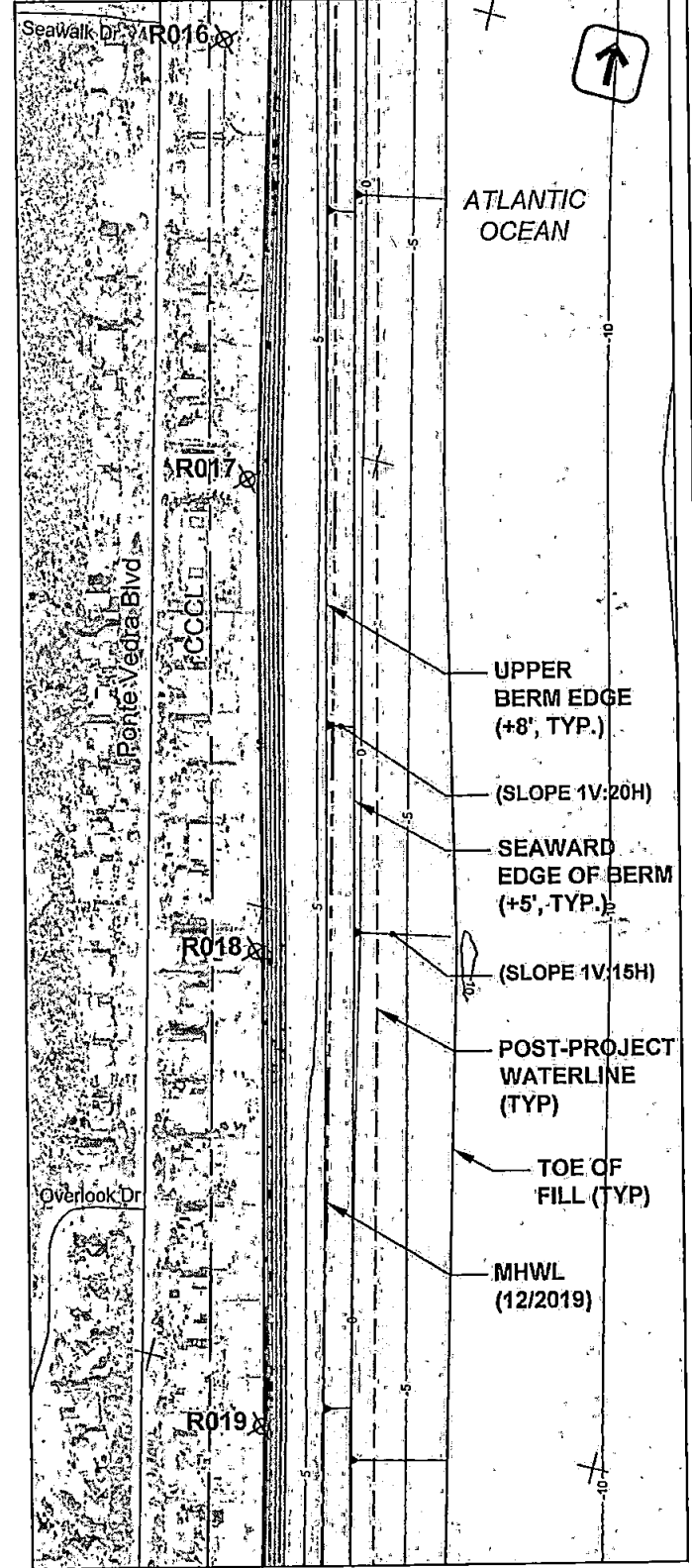
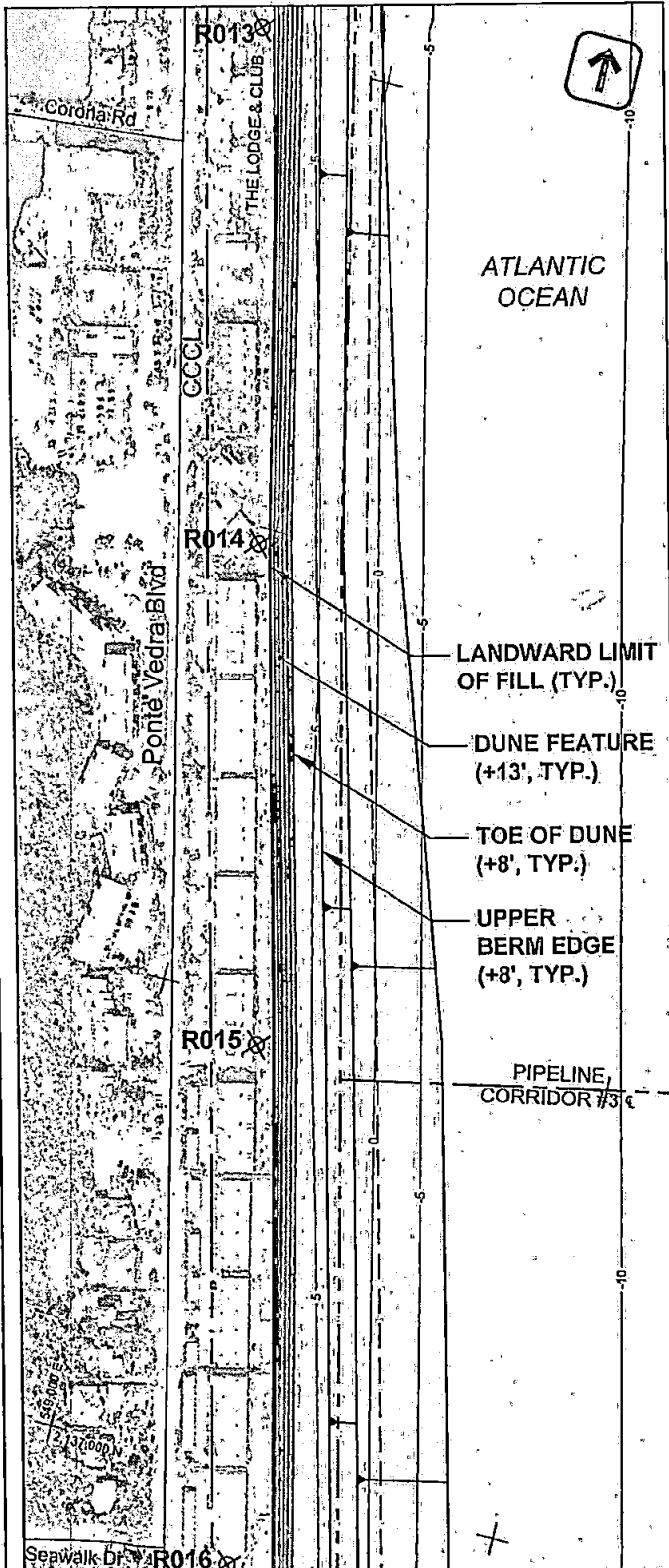


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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

BEACH FILL: PLAN

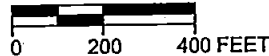
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		SHEET 3 of 15



NOTES:

1. H. DATUM - NAD83 SPC FL EAST
2. V. DATUM - NAVD88, FT
3. IMAGE DATE: 02/2019
4. BEACH SURVEY: 12/2019

GRAPHIC SCALE



Township: 3S, 4S
Range: 29 E
Section: (3S)15,22,27,45,35
(4S) 2,11,45,14,23,24,25

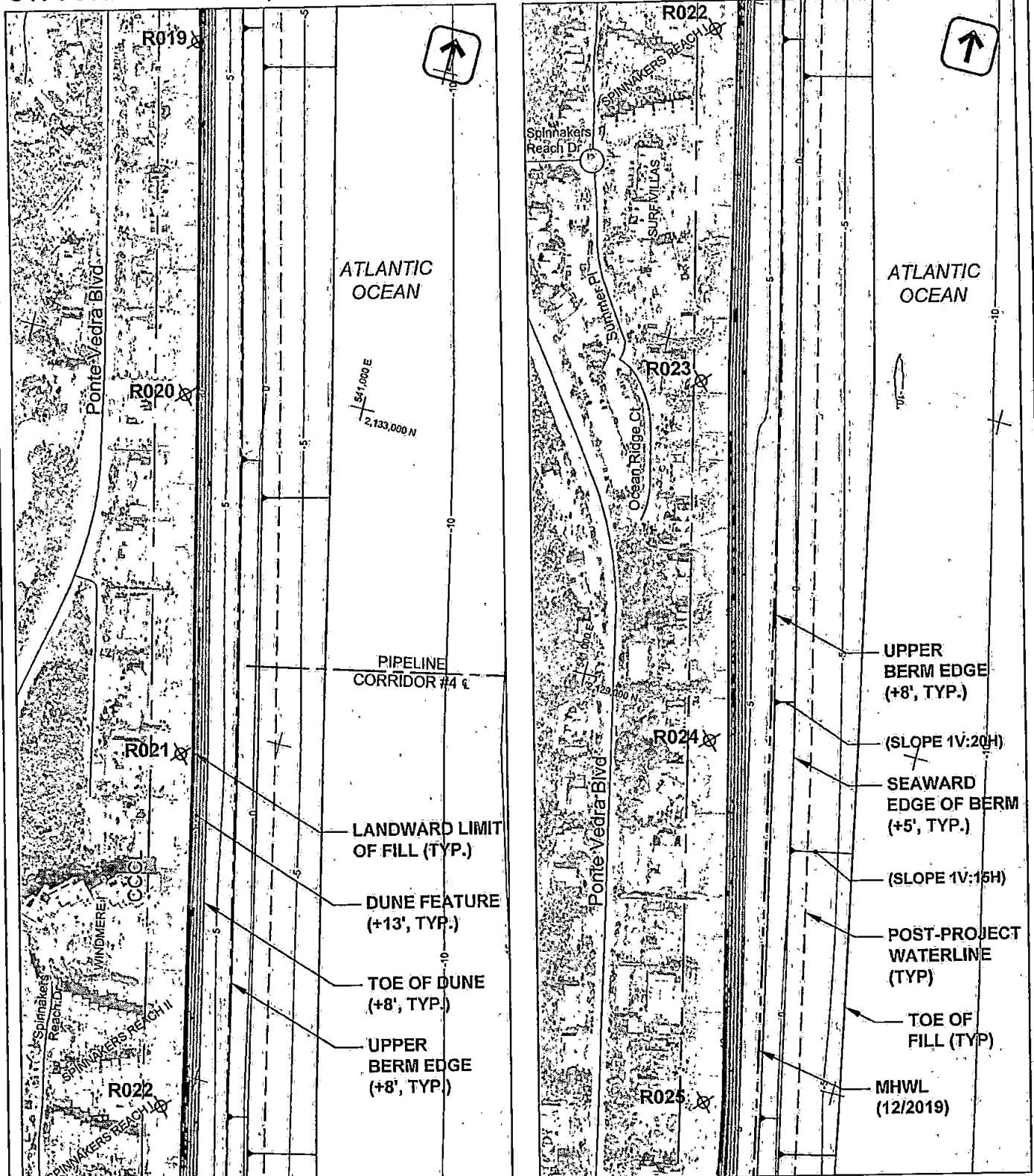


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**PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT**

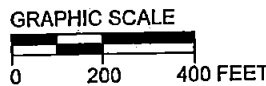
BEACH FILL: PLAN

REV	DATE:
	09/10/2020
DRAWN BY: ML	
SHEET 4 of 15	



NOTES:

1. H. DATUM - NAD83 SPC FL EAST
2. V. DATUM - NAVD86, FT
3. IMAGE DATE: 02/2019
4. BEACH SURVEY: 12/2019



Township: 3S, 4S
Range: 29 E
Section: (3S)15,22,27,45,35
(4S) 2,11,45,14,23,24,25

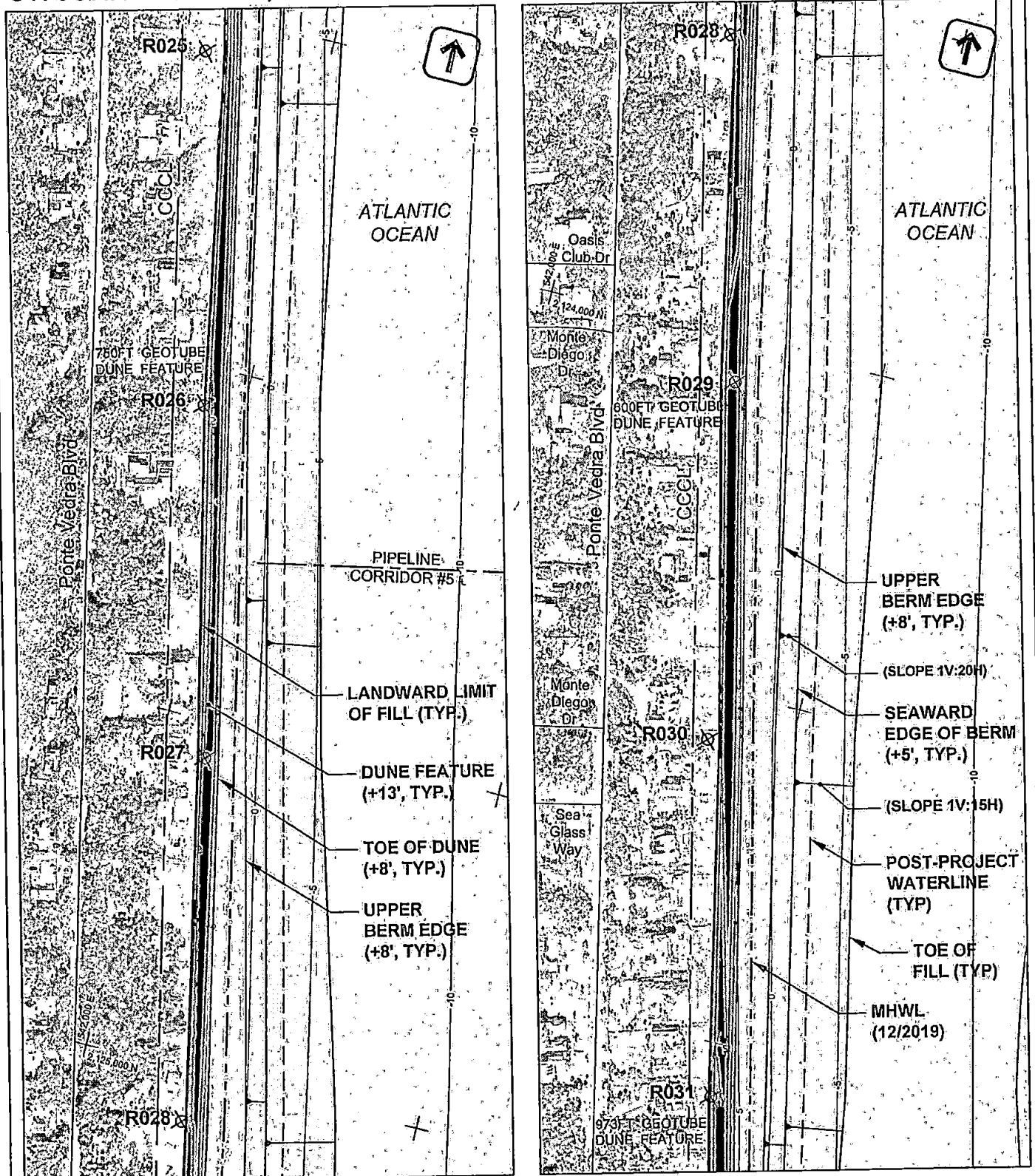


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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

BEACH FILL: PLAN

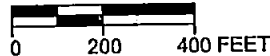
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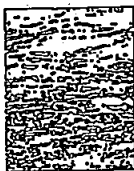
NOTES:

1. H. DATUM - NAD83 SPC FL EAST
2. V. DATUM - NAVD88, FT
3. IMAGE DATE: 02/2019
4. BEACH SURVEY: 12/2019
5. FDEP CRITICAL EROSION AREA: R26-R31

GRAPHIC SCALE



Township: 3S, 4S
Range: 29 E
Section: (3S)15,22,27,45,35
(4S) 2,11,45,14,23,24,25

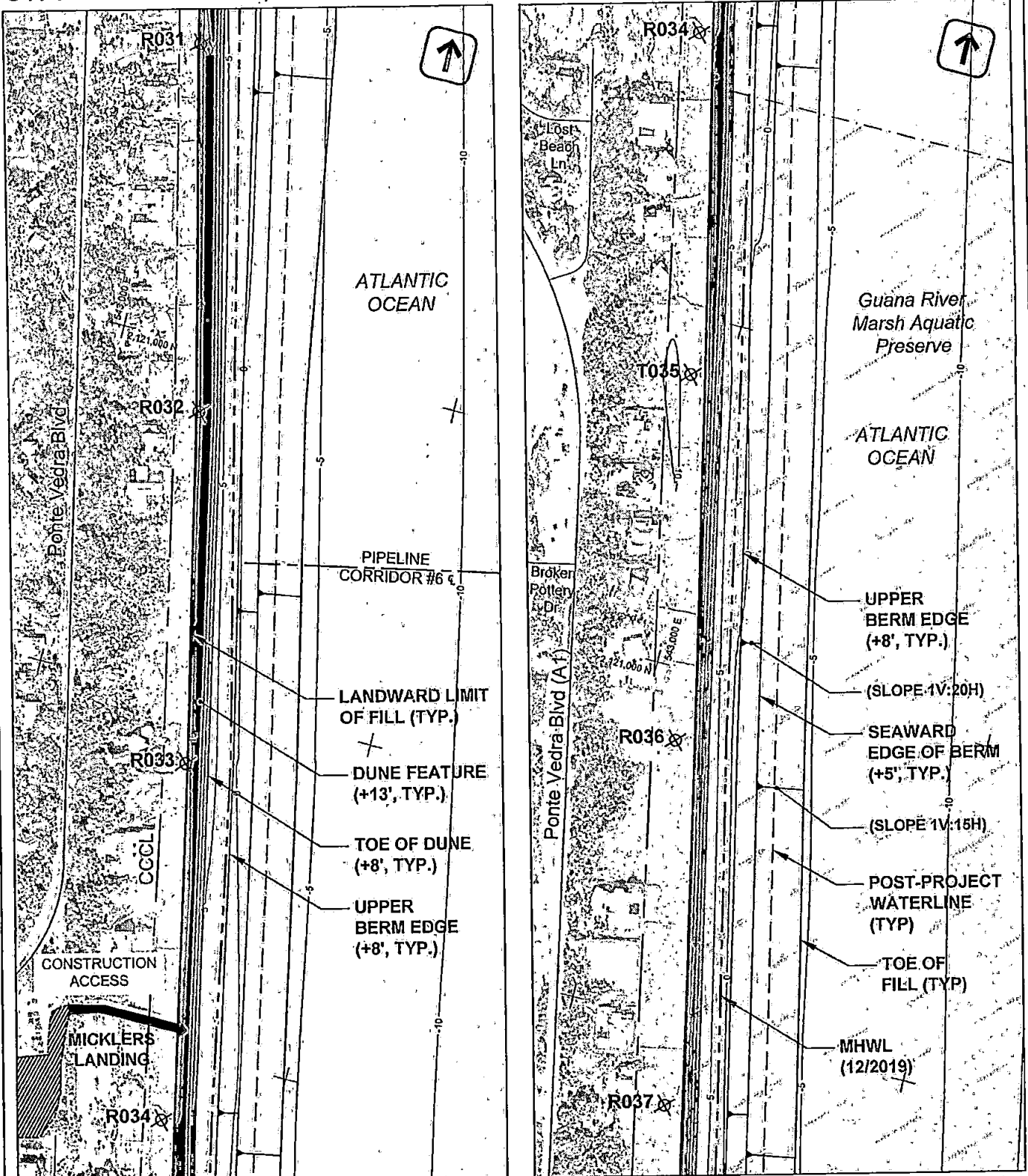


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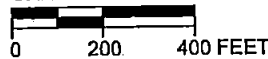
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		SHEET 6 of 15



NOTES:

1. H. DATUM - NAD83 SPC FL EAST
2. V. DATUM - NAVD88, FT
3. IMAGE DATE: 02/2019
4. BEACH SURVEY: 12/2019

GRAPHIC SCALE



Township: 3S, 4S
Range: 29 E
Section: (3S)15,22,27,45,35
(4S) 2,11,45,14,23,24,25

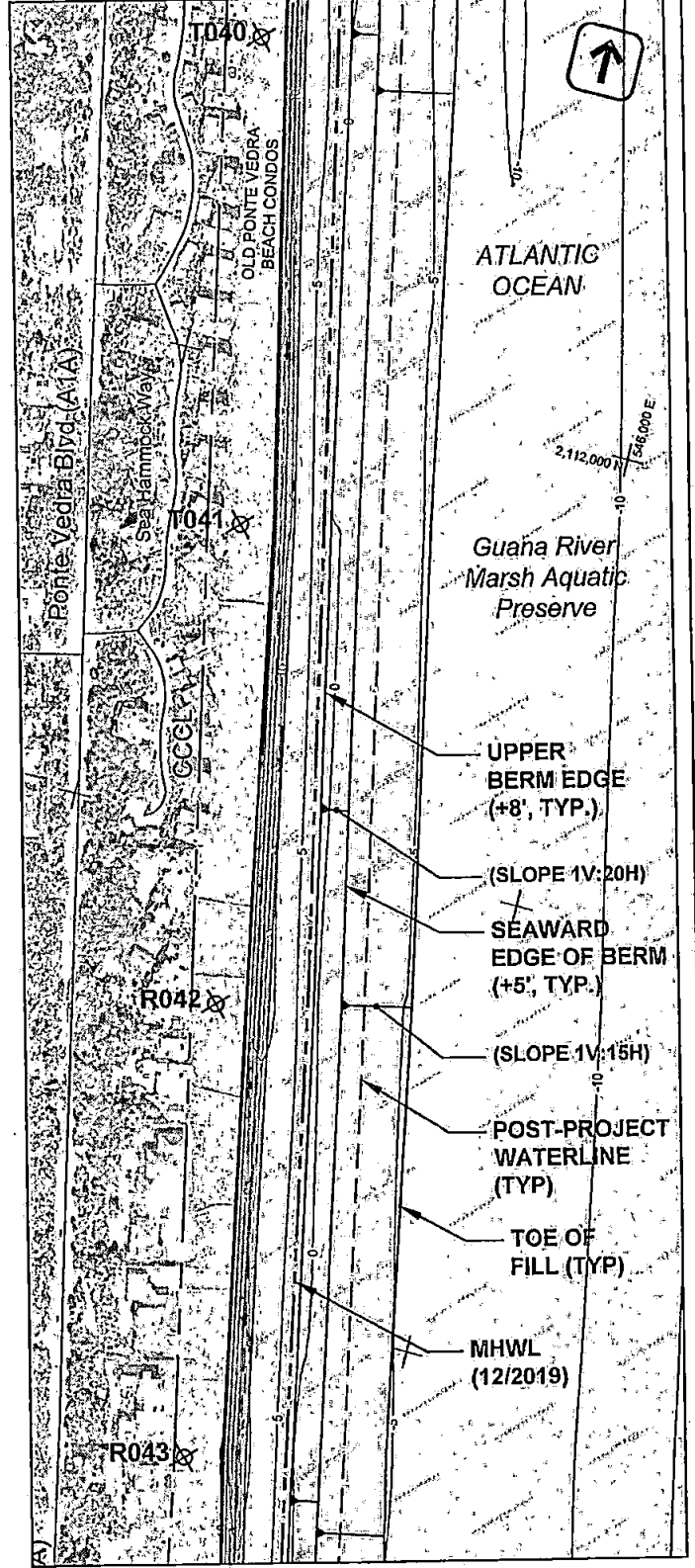
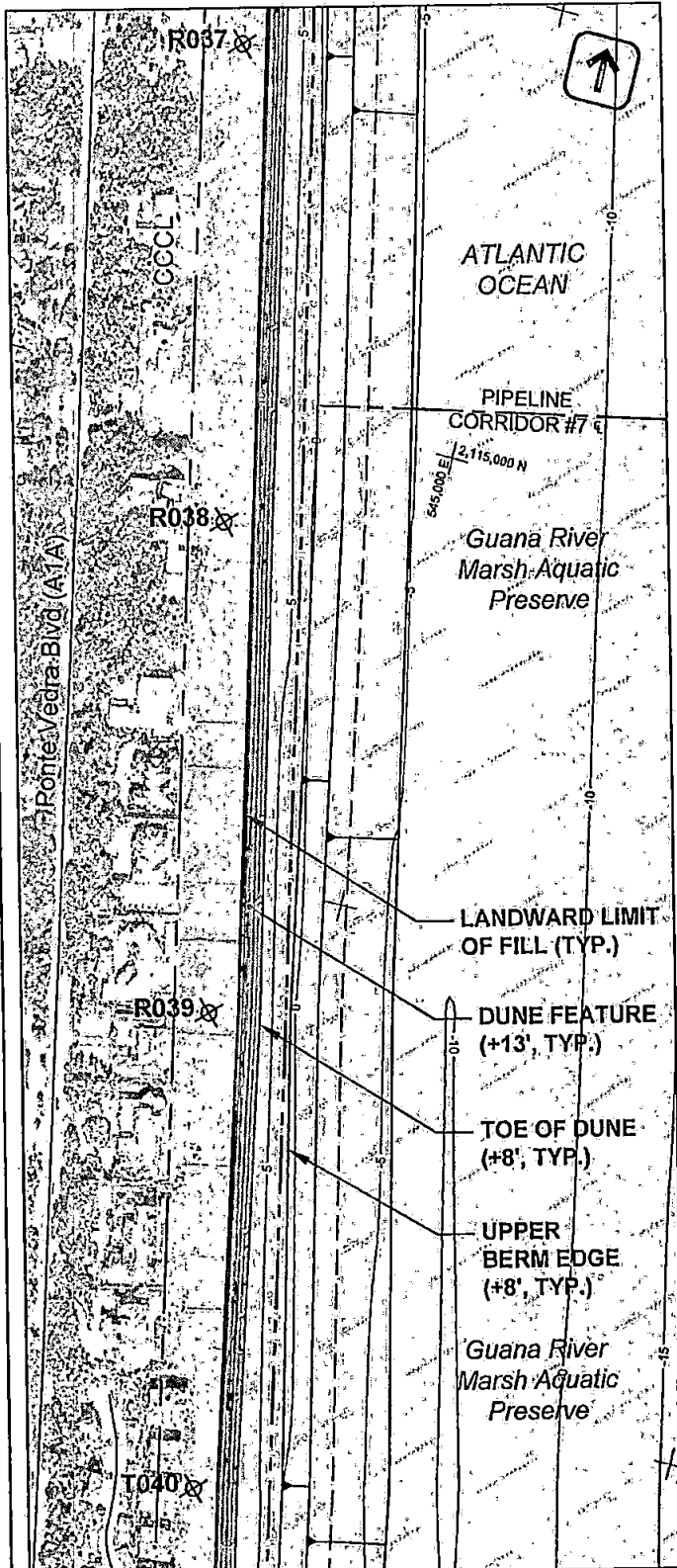


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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

BEACH FILL: PLAN

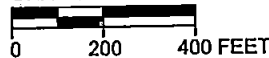
REV	DATE:	09/10/2020
	DRAWN BY:	ML
	SHEET	7 of 15



NOTES:

1. H. DATUM - NAD83 SPC FL EAST
2. V. DATUM - NAVD88, FT
3. IMAGE DATE: 02/2019
4. BEACH SURVEY: 12/2019

GRAPHIC SCALE



Township: 3S, 4S
Range: 29 E
Section: (3S) 15, 22, 27, 45, 35
(4S) 2, 11, 45, 14, 23, 24, 25

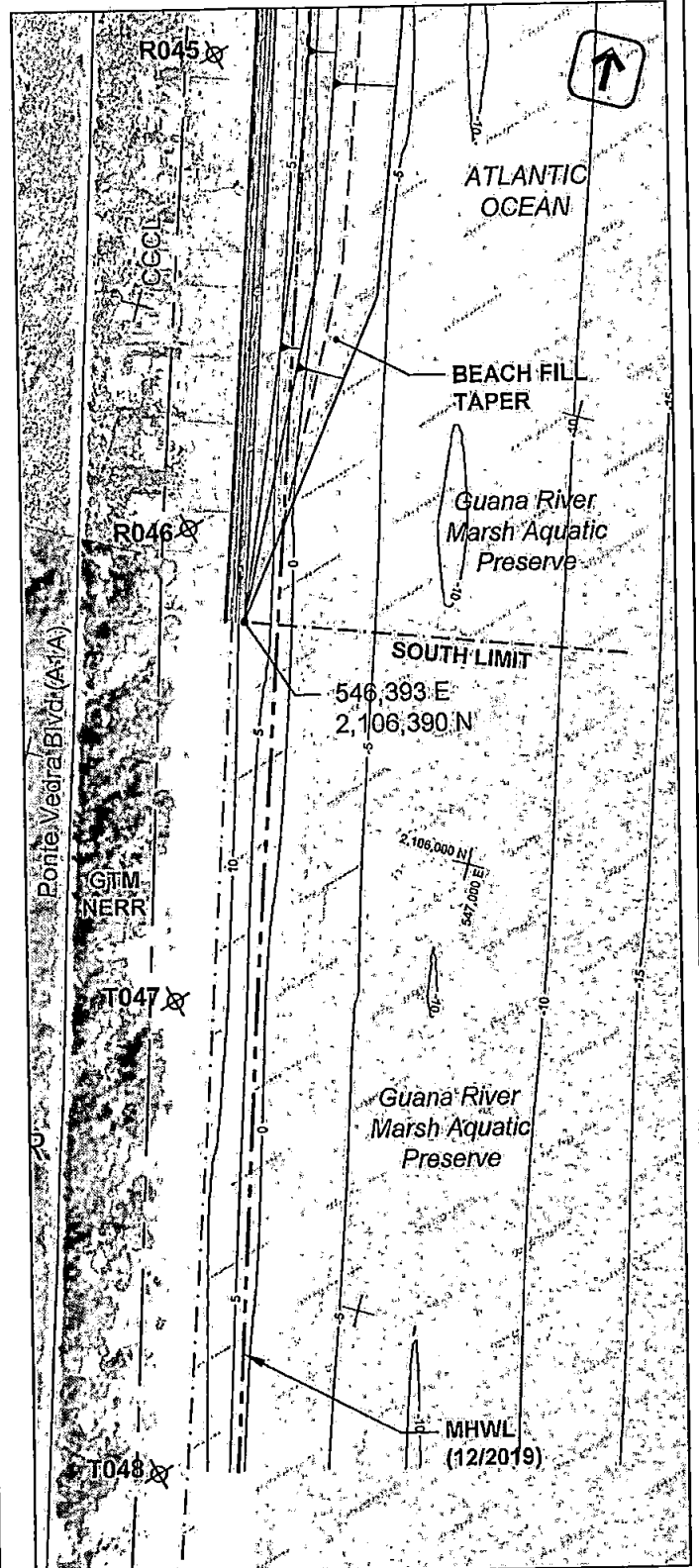
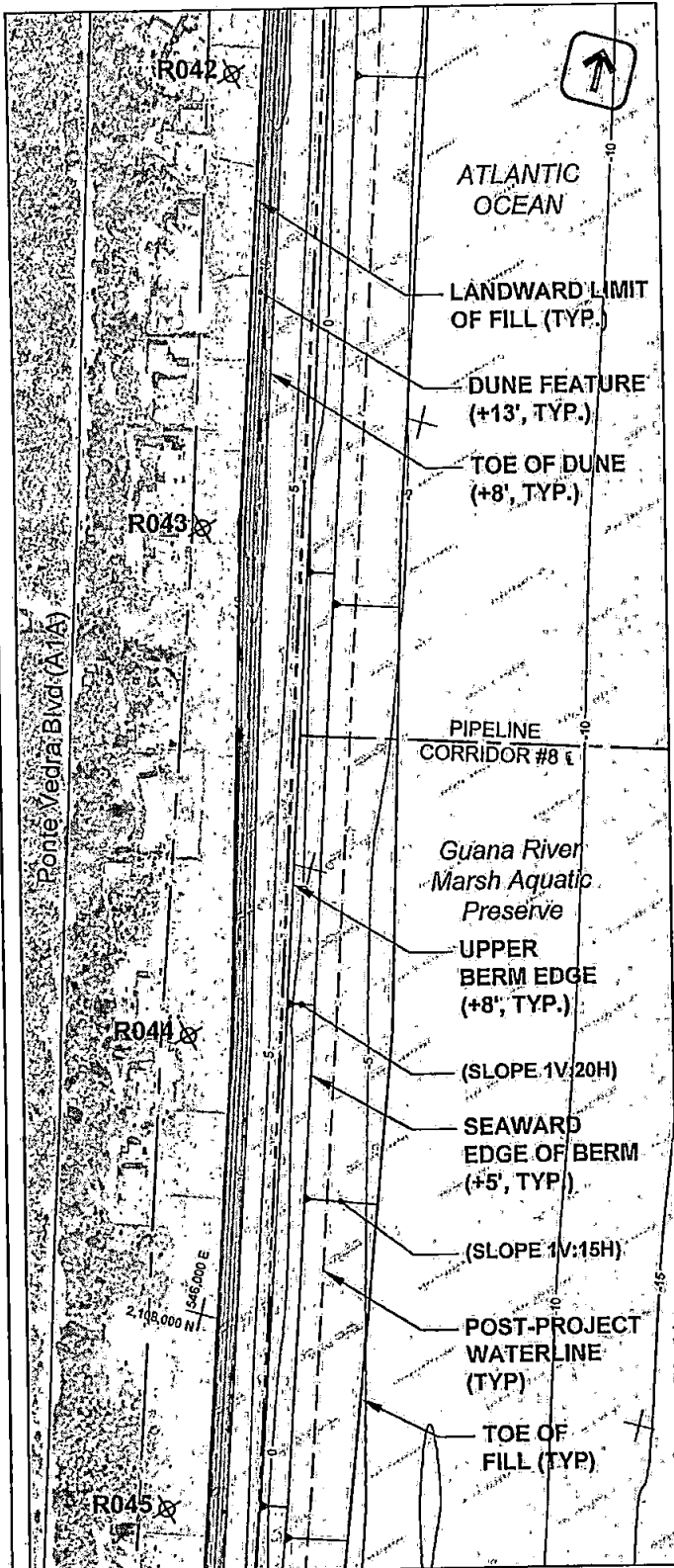


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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

BEACH FILL: PLAN

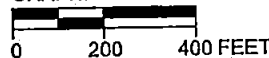
REV	DATE:	09/10/2020
		DRAWN BY: ML
		SHEET 8 of 15



NOTES:

1. H. DATUM - NAD83 SPC FL EAST
2. V. DATUM - NAVD88, FT
3. IMAGE DATE: 02/2019
4. BEACH SURVEY: 12/2019

GRAPHIC SCALE



Township: 3S, 4S
Range: 29 E
Section: (3S)15,22,27,45,35
(4S) 2,11,45,14,23,24,25

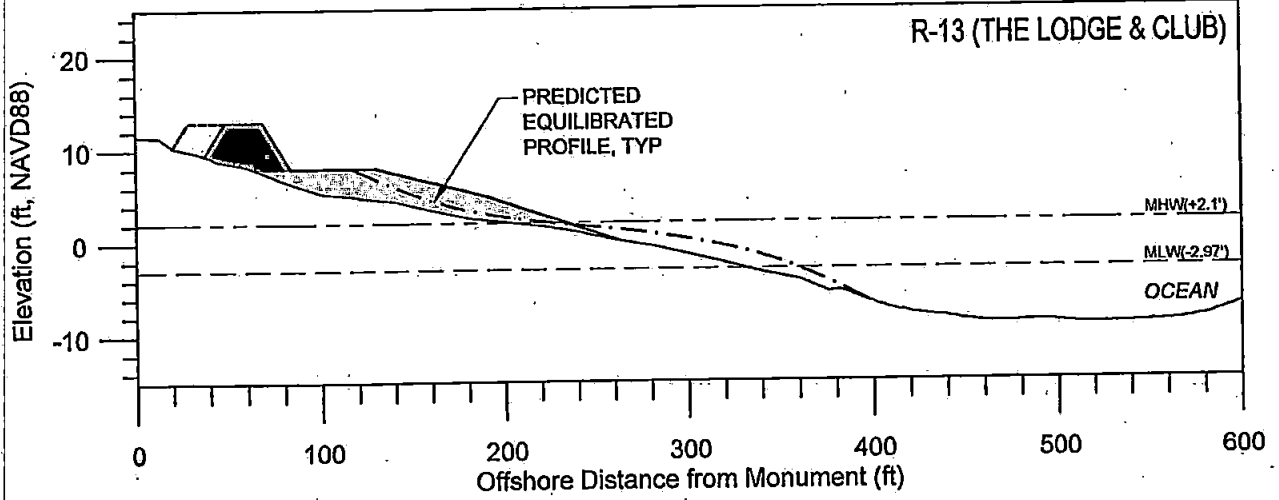
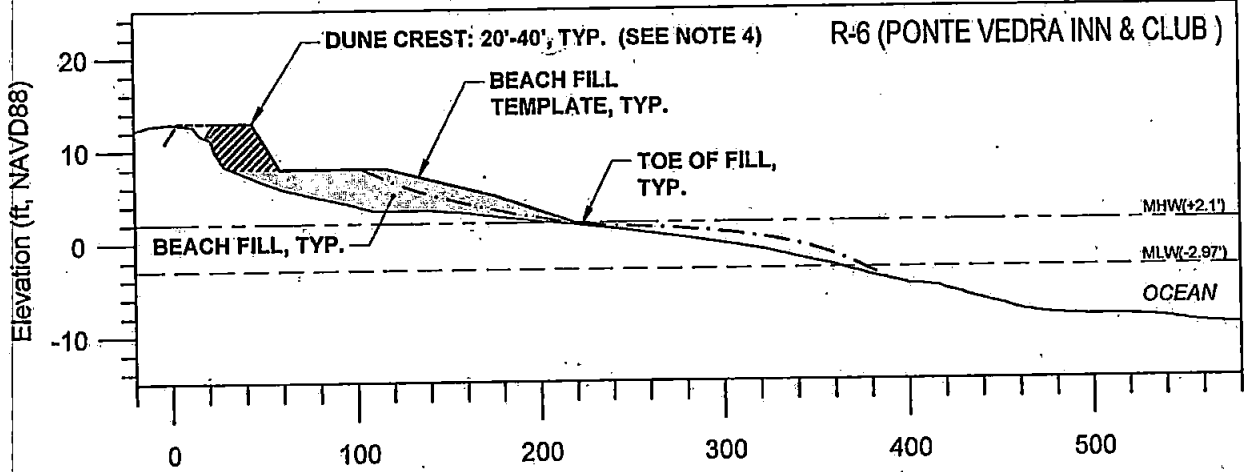
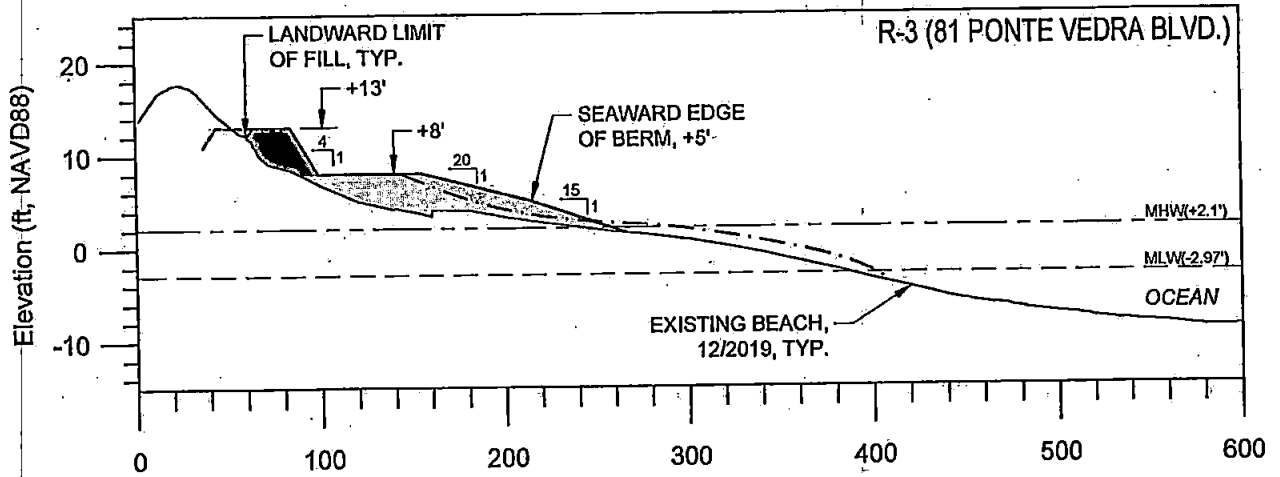


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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

BEACH FILL: PLAN

REV	DATE:	09/10/2020
	DRAWN BY:	ML
	SHEET	9 of 15



NOTES:

1. LANDWARD LIMIT OF FILL TO AVOID SIGNIFICANT EXISTING VEGETATION.
2. NEW DUNE FEATURE TO INCLUDE SALT-TOLERANT VEGETATION PLANTING.
3. FULL DUNE WIDTH TO BE BUILT WHERE APPROPRIATE.
4. DUNE CONSTRUCTION PENDING UPLAND APPROVAL BETWEEN R-4 AND R-6+200'

Township: 3S, 4S
Range: 29 E
Section: (3S)15,22,27,45,35
(4S) 2,11,45,14,23,24,25

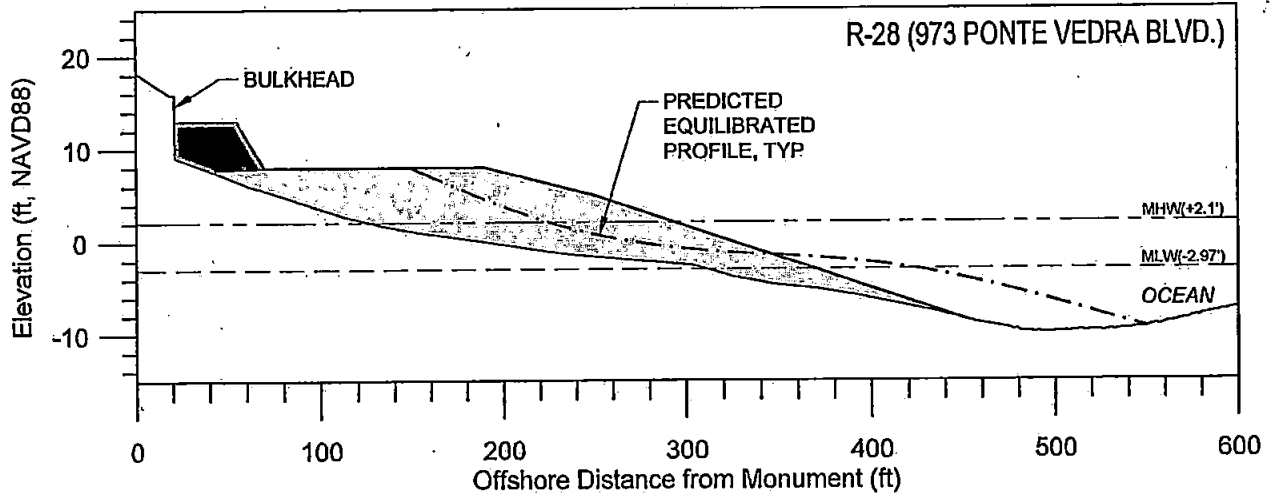
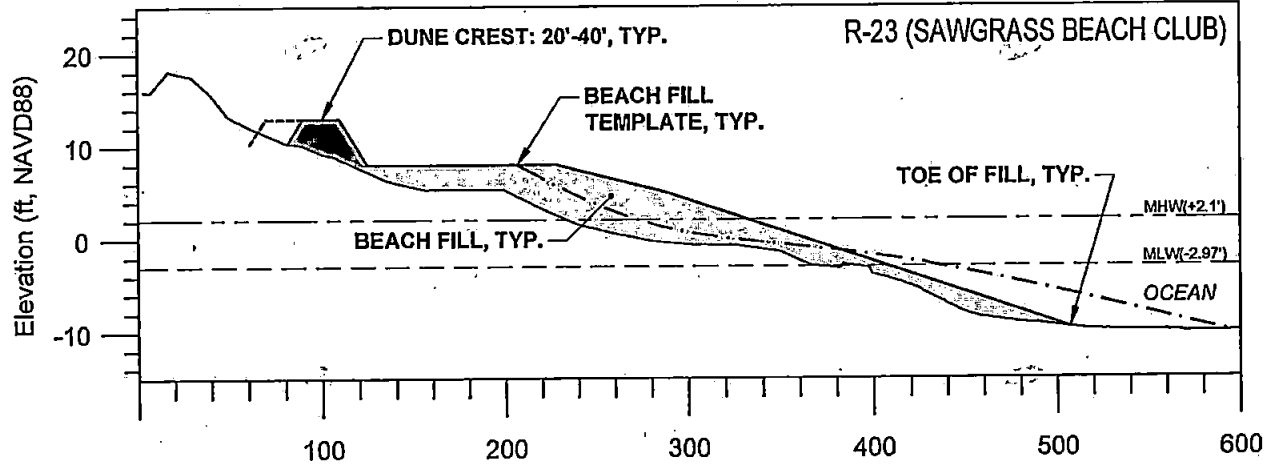
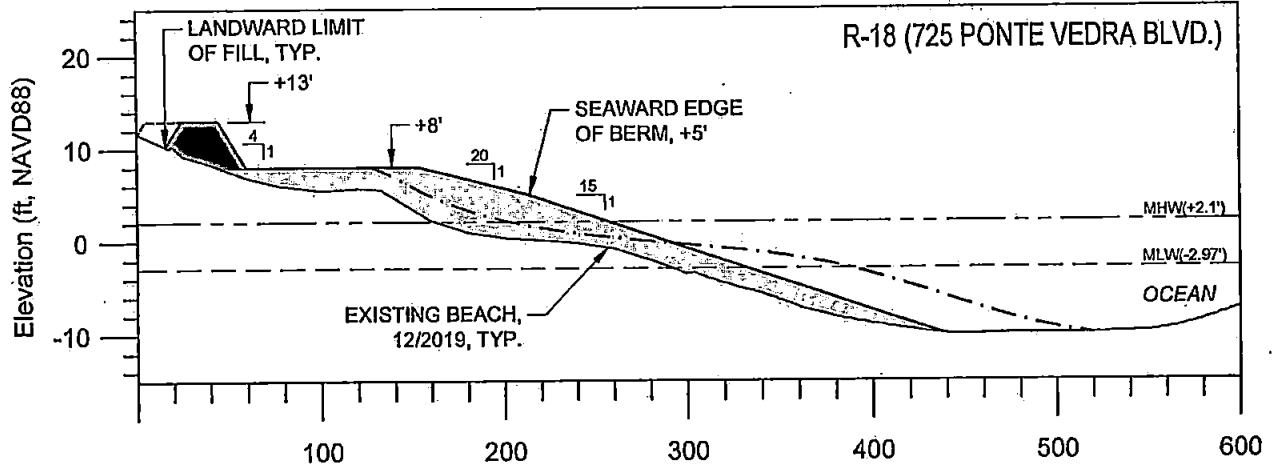


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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

BEACH FILL: SECTIONS

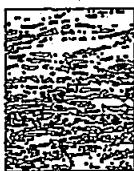
REV	DATE:	09/10/2020
		DRAWN BY: ML
		SHEET 10 of 15



NOTES:

1. LANDWARD LIMIT OF FILL TO AVOID SIGNIFICANT EXISTING VEGETATION.
2. NEW DUNE FEATURE TO INCLUDE SALT-TOLERANT VEGETATION PLANTING.
3. FULL DUNE WIDTH TO BE BUILT WHERE APPROPRIATE.

Township: 3S, 4S
Range: 29 E
Section: (3S)15,22,27,45,35
(4S) 2,11,45,14,23,24,25

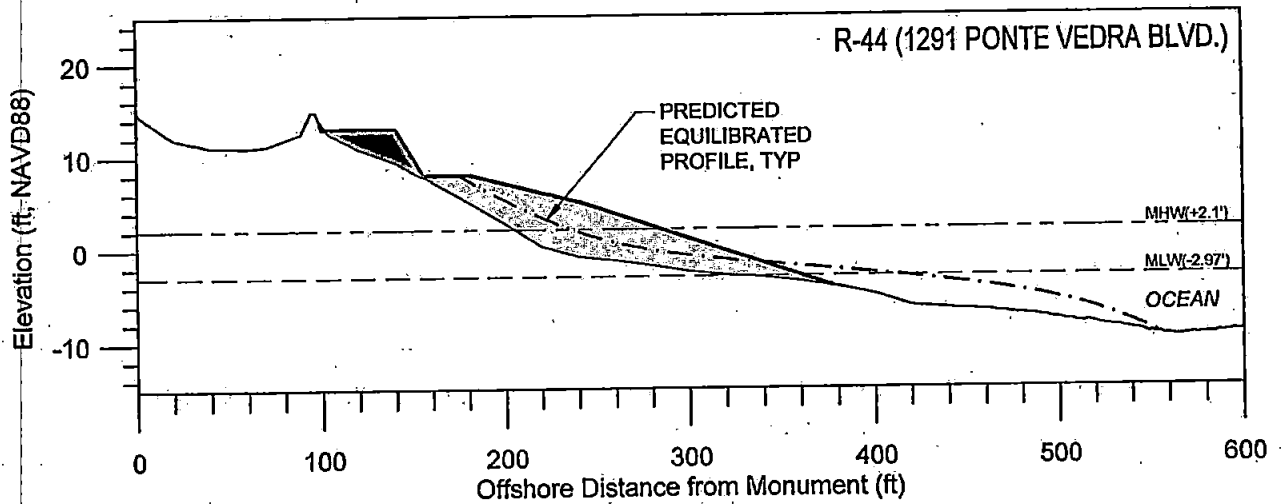
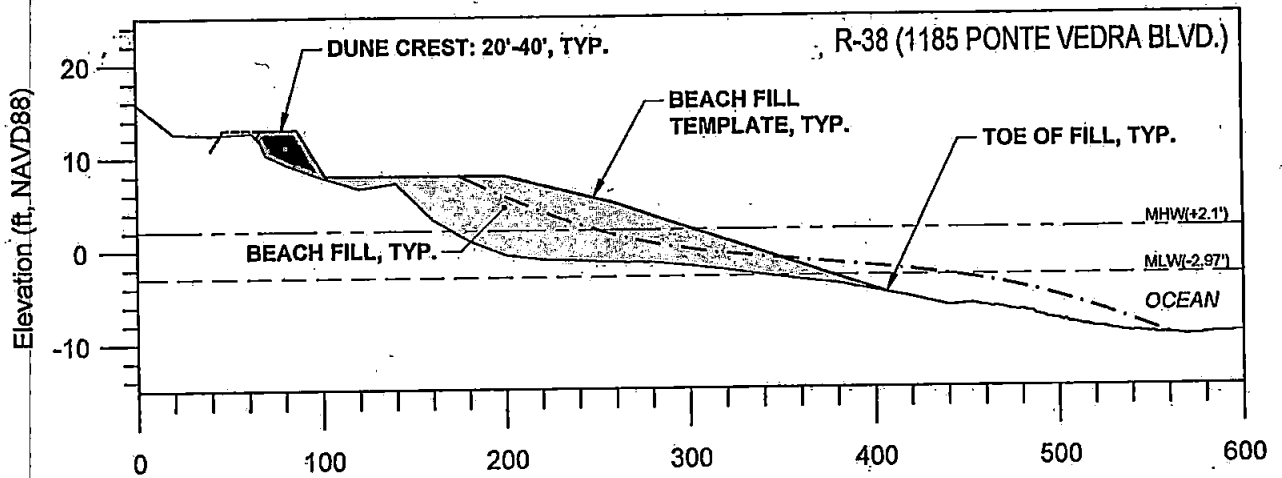
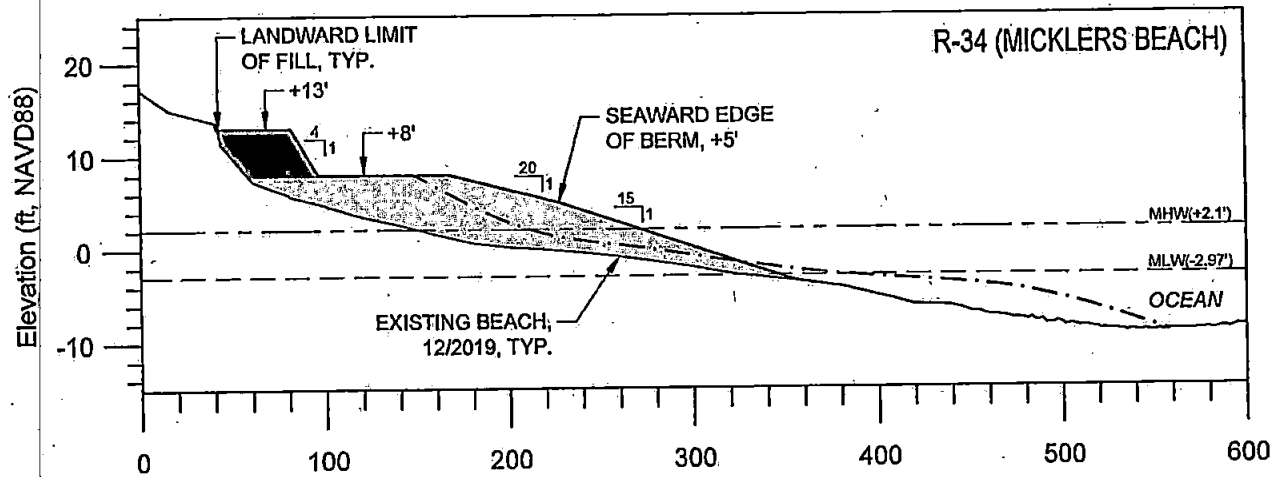


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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

BEACH FILL: SECTIONS

REV	DATE
	09/10/2020
DRAWN BY: ML	
SHEET 11 of 15	



NOTES:

1. LANDWARD LIMIT OF FILL TO AVOID SIGNIFICANT EXISTING VEGETATION.
2. NEW DUNE FEATURE TO INCLUDE SALT-TOLERANT VEGETATION PLANTING.
3. FULL DUNE WIDTH TO BE BUILT WHERE APPROPRIATE.

Township: 3S, 4S
Range: 29 E
Section: (3S)15,22,27,45,35
(4S) 2,11,45,14,23,24,25

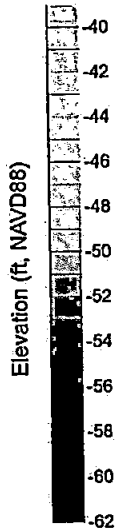
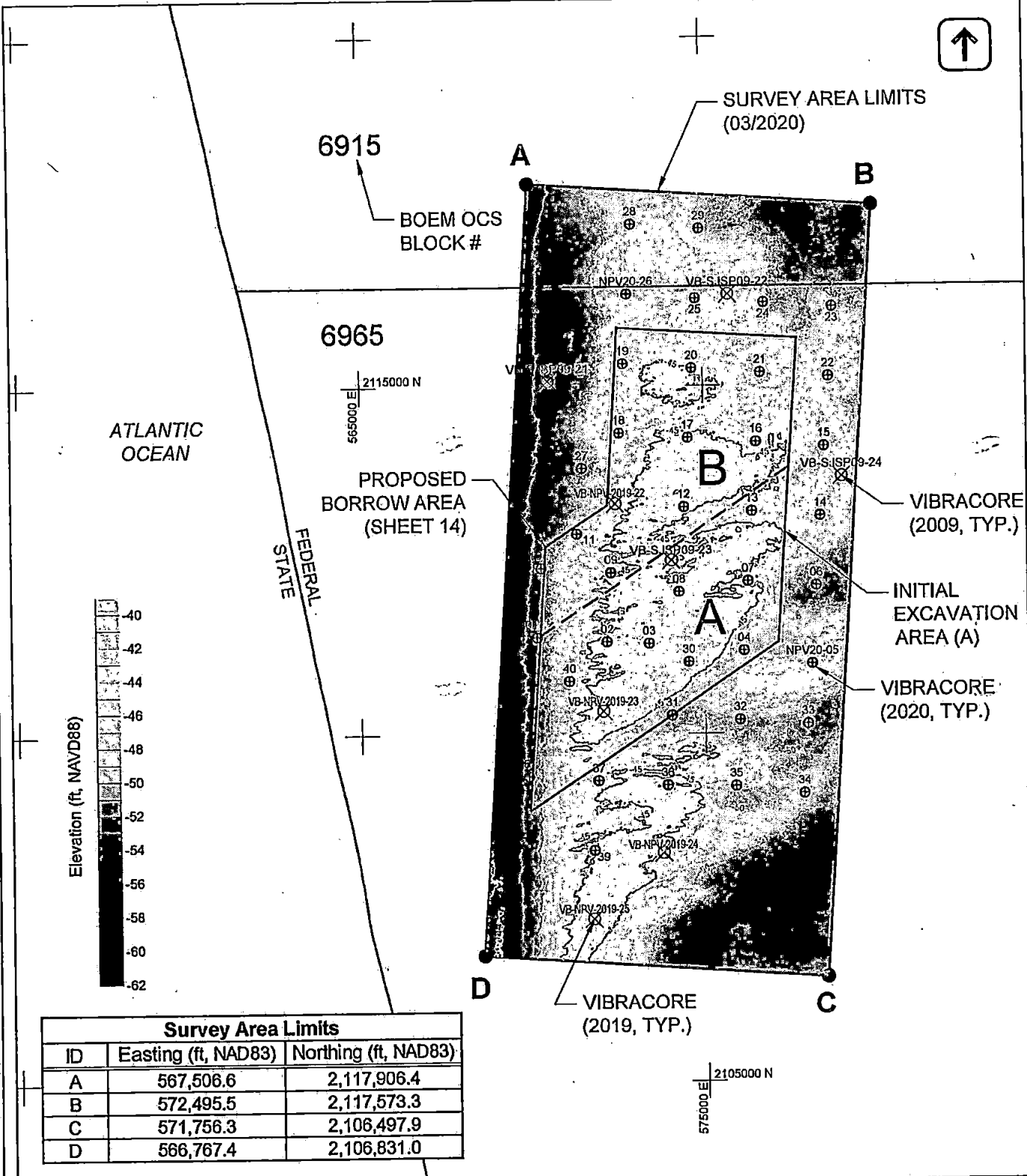


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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

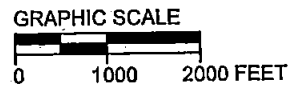
BEACH FILL: SECTIONS

REV	DATE:	09/10/2020
		DRAWN BY: ML
		SHEET 12 of 15



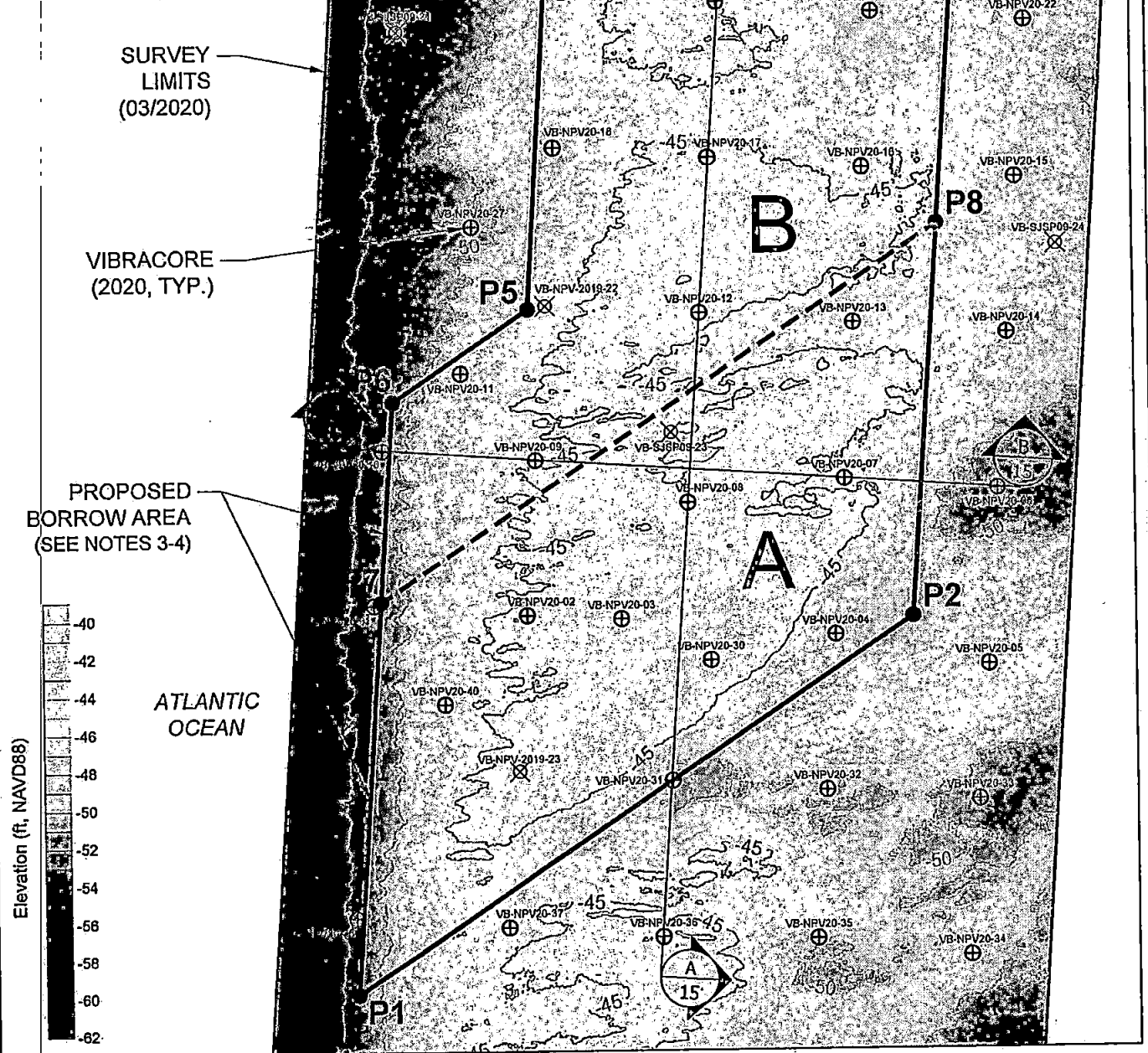
Survey Area Limits		
ID	Easting (ft, NAD83)	Northing (ft, NAD83)
A	567,506.6	2,117,906.4
B	572,495.5	2,117,573.3
C	571,756.3	2,106,497.9
D	566,767.4	2,106,831.0

- NOTES:**
1. H. DATUM - NAD83 SPC FL EAST; V. DATUM - NAVD88, FT
 2. SURVEY DATE: 03/2020
 3. INITIAL PROPOSED EXCAVATION AREA: A (200 ACRES)
 4. BORROW AREA BOUNDARY TO BE REFINED WITH 2020 VIBRACORE DATA.



<p>olsen associates, inc. 2618 Herschel St. Jacksonville, FL 32204 (904) 387-6114 (FAX) 384-7368 COA 00003491</p>	<p>PONTE VEDRA BEACH, FL BEACH NOURISHMENT PROJECT</p> <p>BORROW AREA: PLAN</p>	REV	DATE	09/10/2020
				DRAWN BY: ML
				SHEET 13 of 15

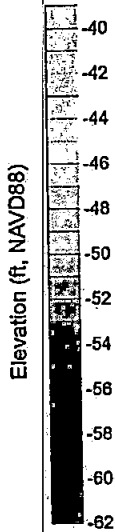
Borrow Area Location (Prelim.)		
ID	Easting (ft, NAD83)	Northing (ft, NAD83)
P1	567,452.8	2,108,901.5
P2	571,071.3	2,111,307.7
P3	571,381.7	2,115,669.2
P4	568,759.7	2,115,835.2
P5	568,596.5	2,113,292.3
P6	567,711.4	2,112,702.2
P7	567,623.9	2,111,416.7
P8	571,250.6	2,113,827.0



SURVEY LIMITS
(03/2020)

VIBRACORE
(2020, TYP.)

PROPOSED BORROW AREA
(SEE NOTES 3-4)

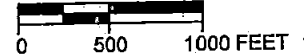


ATLANTIC OCEAN

NOTES:

1. H. DATUM - NAD83 SPC FL EAST; V. DATUM- NAVD88, FT
2. SURVEY DATE: 03/2020
3. INITIAL PROPOSED EXCAVATION AREA: A (200 ACRES)
4. BORROW AREA BOUNDARY TO BE REFINED WITH 2020 VIBRACORE DATA.

GRAPHIC SCALE

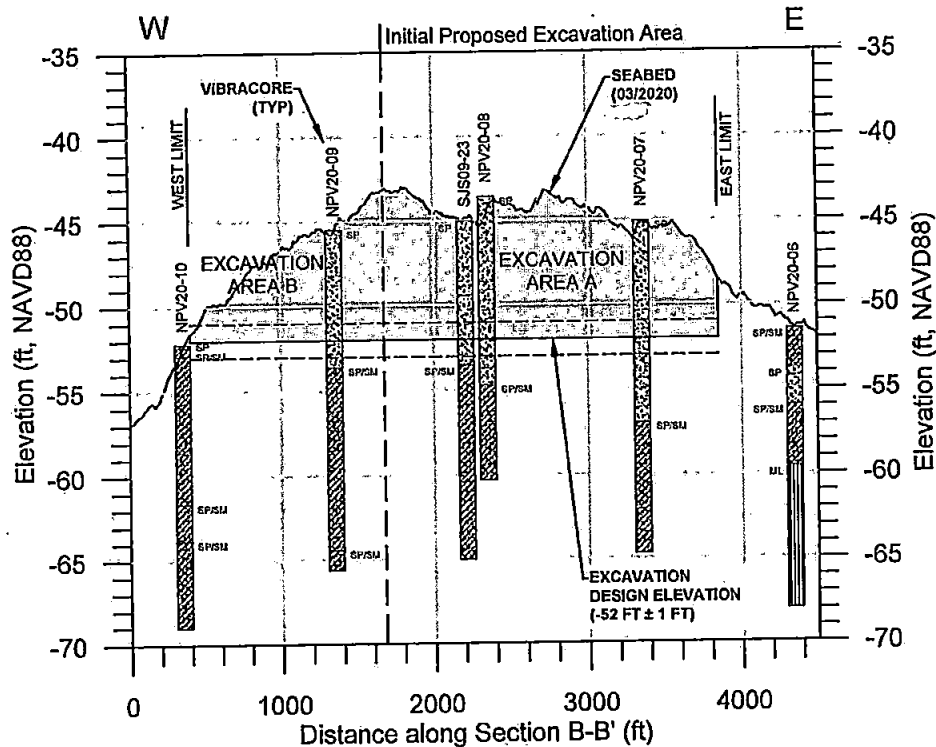
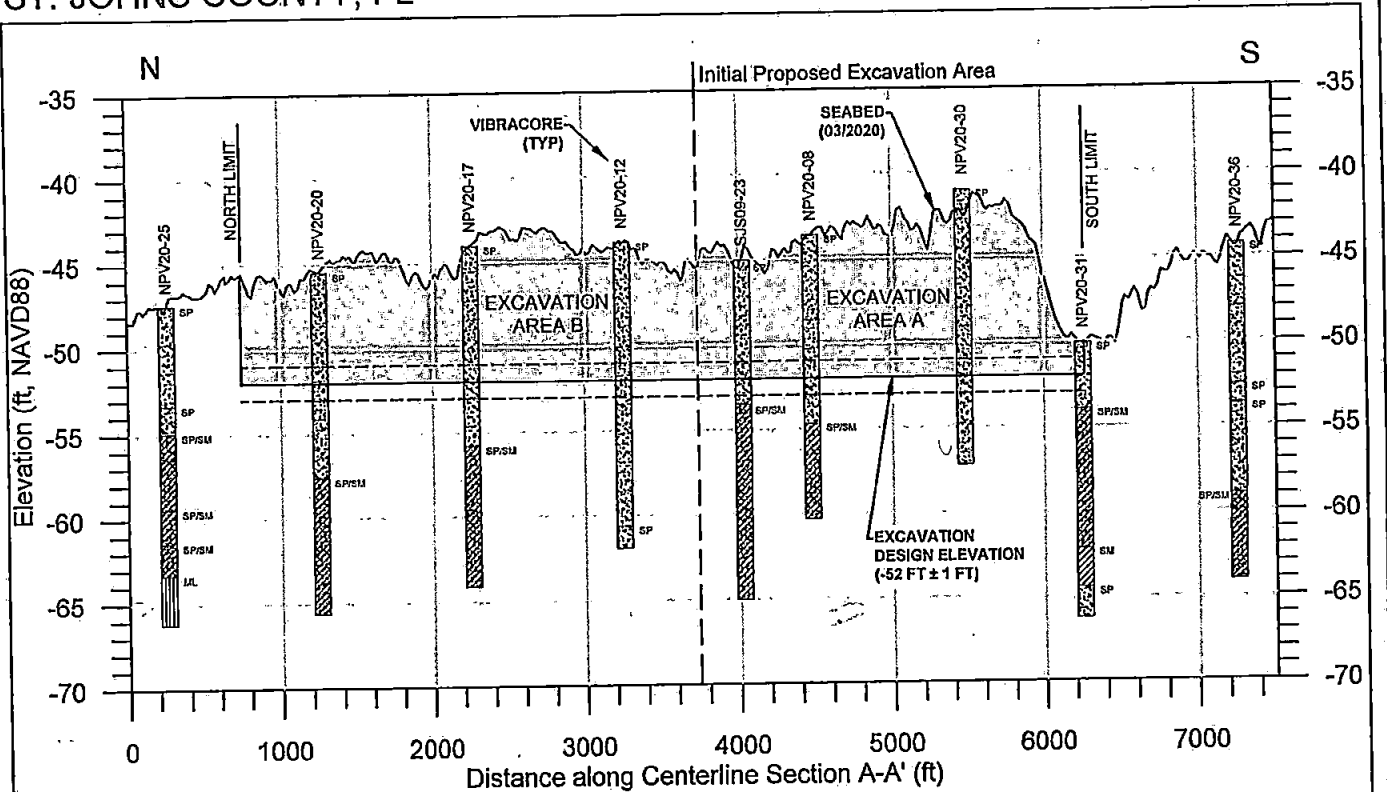


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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

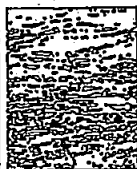
BORROW AREA: PLAN

REV	DATE:	09/10/2020
		DRAWN BY: ML
		SHEET 14 of 15



NOTES:

1. SURVEY DATE: 03/2020.
2. INITIAL PROPOSED EXCAVATION AREA: A (200 ACRES)
3. BORROW AREA BOUNDARY TO BE REFINED WITH 2020 VIBRACORE DATA.



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PONTE VEDRA BEACH, FL
BEACH NOURISHMENT PROJECT

BORROW AREA: SECTIONS

REV	DATE:	09/10/2020
		DRAWN BY: ML
		SHEET 15 of 15

ORDINANCE NO. 99- 33

AN ORDINANCE OF ST. JOHNS COUNTY, FLORIDA, ESTABLISHING A LIGHTING MANAGEMENT PLAN FOR THE PROTECTION OF NESTING MARINE TURTLES AND THEIR HATCHLINGS; PROVIDING DEFINITIONS; PROVIDING LIMITATIONS OF JURISDICTION EXCLUDING INCORPORATED MUNICIPALITIES AND CERTAIN STATE AND FEDERAL PROPERTIES; PROVIDING GUIDELINES FOR LIMITATION OF NEW AND EXISTING PRIVATE AND PUBLIC EXTERIOR LIGHTING TO MINIMIZE ADVERSE EFFECT ON MARINE TURTLES; PROVIDING GUIDELINES FOR LIMITATION OF INTERIOR LIGHTING TO MINIMIZE ADVERSE EFFECT ON MARINE TURTLES; PROVIDING FOR ACTION IN CERTAIN CASES OF CUMULATIVE BEACH ILLUMINATION; DEFINING PROHIBITED ACTIVITIES DISRUPTIVE TO MARINE TURTLES; DEFINING STANDARDS FOR BEACH ACCESS POINTS; PROVIDING FOR COMPLIANCE INSPECTIONS, PENALTIES AND ENFORCEMENT; PROVIDING FOR A FUNDED COMMUNITY EDUCATION EFFORT; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Beaches of St. Johns County serve as a known nesting habitat for Marine Turtles described as threatened or endangered; and

WHEREAS, associated Artificial Lighting along the landward side of the Marine Turtle nesting sites may deter Marine Turtles from nesting and may threaten the survival of Hatchlings by causing disorientation; and

WHEREAS, the protection of nesting Marine Turtles and their Hatchlings is in the public interest and serves the public welfare; and

WHEREAS, the Department of Environmental Protection, pursuant to Section 161.163, Florida Statutes, has adopted by rule minimum guidelines for local government regulations that control beach-front lighting to protect nesting Marine Turtles and Hatchlings; and

WHEREAS, St. Johns County, pursuant to its Comprehensive Plan, provides that it is an objective of the County to protect Marine Turtles which nest on the sand beaches fronting the Atlantic Ocean.

NOW THEREFORE, BE IT ORDAINED by the Board of County Commissioners of St. Johns County, Florida:

Section 1. Definitions. The following words and phrases shall have the meaning as defined in this Section:

- 1.1 **Artificial Light or Artificial Lighting:** The light emanating from any human-made device.
- 1.2 **Beach:** The zone of unconsolidated material facing the Atlantic Ocean that extends landward from the mean low water line to the place where there is a marked change in material or physiographic form, or to the line of permanent vegetation (usually the effective limit of storm waves), as is defined in Chapter 62B-33.002(4), Florida Administrative Code. At the Matanzas Inlet in St. Johns County, the Beach shall not extend landward of the centerline of the Matanzas Inlet Bridge; and at the St. Augustine Beach Inlet in St. Johns County, the Beach shall not extend landward of the extreme westward points of said inlet.
- 1.3 **Bug Light:** Any light that is marketed as being specifically treated in such a way so as to reduce the attraction of insects to the light.
- 1.4 **County:** St. Johns County, Florida.
- 1.5 **Cumulative Beach Illumination:** Artificial Light sources that, as a group illuminate any portion of the surface of the Beach.
- 1.6 **Direct Beach Illumination:** Illumination of the Beach, or any portion thereof, by Artificial Light or reflectors, in which the light source or reflector is visible from the surface of the Beach.
- 1.7 **Dune:** A mound or ridge of loose sediments, usually sand-sized sediments, lying landward of the Beach and deposited by any natural or artificial mechanism.
- 1.8 **Ground-level Barrier:** Any vegetation, natural feature or artificial structure rising from the ground which prevents Artificial Lighting from shining directly onto the Beach/Dune system.
- 1.9 **Hatchling(s):** Any species of Marine Turtle, within or outside of a nest, that has recently hatched from an egg.
- 1.10 **Indirect Beach Illumination:** Illumination of the Beach, or any portion thereof, by Artificial Light or reflectors, in which the light source or reflector is not visible from the surface of the Beach.

- 1.11 Interior Light Fixture: Any Light Fixture or Point Source of Light which is located within an enclosed structure.
- 1.12 Light Fixture: A stationary Artificial Light Source composed of lamp(s), reflector(s), globe(s), and other elements necessary to produce and direct light.
- 1.13 Low-profile Light Fixture: Any Light Fixture, set on a base, where the Point Source of Light is no higher than forty-eight (48) inches off the ground, and is designed in such a way that light is directed downward from a hooded light source.
- 1.14 Marine Turtle(s): Any specimen belonging to the species Caretta caretta (loggerhead turtle), Chelonia mydas (green turtle), Dermochelys coriacea (leatherback turtle), Eretmochelys imbricata (hawksbill turtle), or any other Marine Turtle using St. Johns County Beaches as a nesting habitat.
- 1.15 Motorized Vehicle: Includes, but is not limited to, any self-propelled wheeled, tracked, or belted conveyance.
- 1.16 Nest: An area where Marine Turtle eggs have been naturally deposited or subsequently relocated.
- 1.17 Nesting Season: The period from May 1st through October 31st of each year.
- 1.18 New Construction: any horizontal or vertical building procedure requiring a County permit, issued after adoption of this Ordinance.
- 1.19 Night-time or Night: The period between sunset and sunrise as published in The St. Augustine Record newspaper.
- 1.20 Point Source of Light: The actual light source such as the bulb, fluorescent tube, lamp, etc., from which light emanates.
- 1.21 Pole Light: Any Light Fixture, set on a base or pole where the Point Source of Light is higher than forty-eight (48) inches off the ground.
- 1.22 Primary Dune: The first natural or man-made mound or bluff of sand which is located landward of the Beach and which has substantial vegetation, height, continuity and configuration.
- 1.23 Tinted Glass: Any glass treated to achieve an industry approved inside to outside light transmittance value of 45% or less. Such transmittance is limited

to the visible spectrum (400 - 700 nanometers) and measured as the percentage of light that is transmitted through the glass.

- 1.24 **Window Tint or Film:** A material applied to the entire glass area of a window or door which attains a shading coefficient comparable to that prescribed for Tinted Glass.
- 1.25 **Window Treatment:** Any type of material that prevents or reduces the amount of interior light escaping outside, including, but not limited to, curtains, drapes, blinds, solar screens, non-reflective film and storm shutters.

Section 2. Jurisdiction: The provisions of this Ordinance shall apply to all areas of St. Johns County, Florida, except for (1) those areas within the incorporated municipalities of the County, and (2) lands which are owned by the State of Florida or the United States federal government and over which the State or the federal government have established direct environmental regulation relating to Marine Turtles.

Section 3. Standards for New Construction.

- 3.1 **Exterior Light Fixtures on New Construction shall comply with the following requirements:**
 - (a) Except as otherwise permitted herein, the light source or any reflective surface of a Light Fixture on New Construction must not be visible from any point on the surface of the Beach.
 - (b) All Light Fixtures shall be shielded, recessed, and/or louvered to avoid possible violation of Section 3.1(a).
 - (c) Light Fixtures shall be low mounted through the use of bollards, ground level Light Fixtures, or low wall mounts, none of which shall be greater than 48" from the ground.
 - (d) Light Fixtures proposed for the seaward side of the property must be shielded low pressure sodium lamps of 60 watts or less or Bug Light bulbs of other types with bulbs of 5 watts or less.
 - (e) Light Fixtures for purely decorative or accent purposes shall not be used on the seaward side of the property.
 - (f) High intensity Light Fixtures, such as that proposed for roadways, shall utilize shielded low pressure sodium lamps. The number of Light Fixtures shall be the minimum necessary for human safety and

shall be positioned and mounted in a manner such that the Point Source of Light or any reflective surface of the Light Fixture is not visible from any point on the Beach.

- (g) Only low intensity lighting (i.e., 40 watts or less) shall be utilized in parking areas that are visible from any point on the surface of the Beach. Such lighting shall be set on a base which raises the source of light no higher than 48" off the ground and shall be positioned and shielded such that the Point Source of Light or any reflective surface of the Light Fixture is not visible from any point on the surface of the Beach. The light emanating from such Light Fixtures may not Directly, Indirectly or Cumulatively Illuminate the surface of the Beach.
- (h) Parking lots and roadways, including any paved or unpaved area upon which Motorized Vehicles will operate, shall be designed and positioned such that vehicular headlights do not cast light toward or onto the surface of the Beach. Hedges, native dune vegetation, and/or other Ground-level Barriers may be utilized to meet this objective.
- (i) Notwithstanding other provisions of this Ordinance, during construction, temporary security lighting during the Marine Turtle Nesting Season (May 1- October 31) is strongly discouraged. Such security lights shall be shielded and under 4 foot Low-profile Light Fixtures. Low pressure sodium vapor lamps or low wattage yellow Bug Light bulbs shall be utilized for this purpose. Under no circumstances shall these lights Directly Illuminate any area of the surface of the Beach.
- (j) It is strongly advised that Tinted Glass or Window Film shall be utilized on all windows and glass doors visible from any point on the surface of the Beach.

3.2 Prior to the issuance of a final County approval or Certificate of Occupancy for any New Construction within the Jurisdiction of this ordinance, compliance with the beach-front lighting standards set forth in this ordinance shall be approved as follows:

- (a) Prior to receiving a building permit for installation of any exterior Light Fixtures which are visible from the beach, the applicant must obtain approval by the Building Department that the exact type of exterior light fixtures to be used complies with this Ordinance.

- (b) Upon completion of New Construction activities the permit holder shall request a Building Department night survey of the site with all Light Fixtures turned on.
- (c) The Building Department shall complete such survey and prepare the inspection findings in writing identifying:
 - (1) The date and time of the inspection;
 - (2) The extent of compliance with the lighting standards;
 - (3) All areas of observed non-compliance, if any.
- (d) A copy of the inspecting findings will be delivered to the permit holder.

Section 4. Guidelines for existing development, including publicly owned lighting.

- 4.1 Permanent exterior Lighting Fixtures on existing structures installed prior to the effective date of this Ordinance and which create Direct, Indirect, or Cumulative Illumination of the surface of the Beach shall be considered as existing development and the regulations set forth in this Section shall be met to achieve the purpose of this Ordinance.
- 4.2 Within thirty (30) days of the effective date of this ordinance, all existing exterior artificial Light Fixtures associated with existing structures shall meet the following standards during Night hours from May 1 to October 31 of each year:
 - (a) No Point Source of Light or any reflective surface of the Light Fixture shall be visible from any point on the surface of the Beach.
 - (b) Illumination of any area of the surface of the Beach through Direct Illumination is prohibited.
 - (c) Light Fixtures which have Direct Illumination completely shielded from the beach and which have non-reflective interior surfaces shall be used in all cases, except that other Light Fixture types that have appropriate shields, louvers, or cut-off features may also be used if they comply with subsection 4.2(a) above.
- 4.3 Exterior Light Fixtures, associated with existing structures, that do not comply with criteria set forth in Subsection 4.2 above, shall be modified from

May 1 to October 31 each year with one or a combination of the options listed below as necessary to rectify situations not complying with Subsection 4.2 above:

- (a) Reposition the Light Fixture so the Point Source of Light or any reflective surface of the Light Fixture is no longer visible from the surface of the Beach.
- (b) Replace Light Fixtures having an exposed Point Source of Light with Light Fixtures containing recessed, shielded, and/or louvered Point Sources.
- (c) Replace traditional light bulbs with yellow Bug Light bulbs not exceeding 40 watts.
- (d) Replace non-directional Light Fixtures with directional Light Fixtures that point down and away from the Beach.
- (e) Replace Light Fixtures having transparent or translucent coverings with Light Fixtures having opaque shields covering an arc of at least 180 degrees and extending below the bottom edge of the Light Fixture so the Point Source of Light is no longer visible from the surface of the Beach.
- (f) Replace Pole Lights with low-profile, low-level Light Fixtures so that the Point Source of Light or any reflective surface of the Light Fixture is not visible from the surface of the Beach.
- (g) Replace incandescent, fluorescent and high intensity lighting with the lowest wattage low-pressure sodium vapor lamps possible for the specific application.
- (h) Plant or improve vegetation buffers between the Light Fixtures and the Beach to screen light from the surface of the Beach.
- (i) Construct a Ground-level Barrier to shield the Light Fixtures from the Beach. Ground-level Barriers must not interfere with Marine Turtle nesting, or Hatchling emergence, or cause short or long term damage to the Beach/dune system; and/or,
- (j) Permanently remove or disable any Light Fixture which cannot be brought into compliance with these standards.

- 4.4 **Security Lighting:** Nothing in this Ordinance is intended to or shall limit or discourage the use of flood lights or spot lights of any color activated by motion of a person or vehicle on the property. Any such light shall provide illumination for a period not to exceed 5 minutes each time motion is detected by it.

Section 5. Interior Lighting.

- 5.1 One or more of the following measures shall be used as necessary to reduce Direct, Indirect and Cumulative Beach Illumination resulting from the Interior Light emanating from doors and windows within line-of-sight of the Beach from May 1 to October 31 each year during Night hours.
- (a) Apply Window Tint or Film that meets the standards for Tinted Glass.
 - (b) Rearrange lamps and other moveable Light Fixtures away from windows.
 - (c) Use Window Treatments to shield interior lights from the Beach and, during the Nesting Season, draw operable coverings each Night; and/or
 - (d) Turn off unnecessary lights.

Section 6. Cumulative Beach Illumination. Extensive development with many light sources scattered over a relatively large area, or intense lighting from sporting or similar facilities may result in Cumulative Beach Illumination. Whenever such a situation is determined to exist, the facts shall be reported to the Board of County Commissioners for determination of action as may be appropriate.

Section 7. Prohibition of Activities Disruptive to Marine Turtles.

- 7.1 To protect nesting Marine Turtles and their Hatchlings, the following activities are prohibited on the Beach at Night during the Nesting Season:
- (a) Campfires or bonfires.
 - (b) Any transient lighting, such as flashlights, torches, and gas lanterns, which purposely illuminates nesting Marine Turtles or Hatchlings so that it disrupts their behavior patterns. This prohibition does not apply to individuals with appropriate permits from federal and/or state agencies.

- 7.2 Horseback riding on the beach during the Nesting Season shall be permitted only seaward of the most recent high-tide line on the beach during times when such riding is allowed.

Section 8. Standards for Beach Access Points.

- 8.1 To increase general public awareness of the need for protecting Marine Turtles and to alert the public to possible penalties resulting from the molestation of Marine Turtles or the destruction of their Nests and eggs, the following standards shall apply:

- (a) Permanent Marine Turtle information signs shall be posted at all public and multi-family private Beach Access Points provided with Dune crossovers by the Persons or entities that control such Beach Access Points (the "Property Owner"). The signs shall be:

- (1) Standardized by the County;
- (2) Supplied by the County at cost to private owners requiring such signs;
- (3) Installed so that they are conspicuous to persons accessing the Beach at that particular point.
- (4) Maintained in perpetuity by the private owner(s) such that information printed on the signs remains legible and conspicuous to beach users; and

- (b) Removal of Sea Turtle information signs by person(s) other than the applicable property owner or his agent is prohibited.

- (c) Existing Beach Access Points must comply with conditions of this Section within six (6) months of the effective date of this Ordinance. New Beach Access Points constructed after the effective date of this Ordinance must comply with conditions of this Section prior to issuance of a Certificate of Occupancy or final building approval, as applicable.

Section 9. Compliance Inspections, Penalties and Enforcement.

- 9.1 Night-time lighting inspections from the Beach shall be conducted at the beginning of each Marine Turtle Nesting Season and at least monthly during the Nesting Season to determine compliance or violations of this Ordinance.

These inspections shall be performed by County Code Enforcement Officers or qualified persons appointed or contracted by the County Administrator. These inspections shall include both public and private properties within jurisdiction of this Ordinance.

- 9.2 The County shall identify Artificial Lighting areas not in compliance with this Ordinance, and issue written notice to property owners whose properties are not in compliance with this Ordinance. Such notification shall include (1) the nature of the noncompliance; and (2) recommendations for remedial actions to put the subject property into compliance.
- 9.3 The enforcement procedures and the fines, citations, liens and penalties authorized by Chapter 162, Florida Statutes, include but not limited to Parts I and II, as amended, and any other statute or County ordinance may be used to enforce the provisions of this ordinance.
- 9.4 Each day that an offense or violation of this ordinance continues shall be deemed a separate offense.

Section 10. Community Education Effort.

- 10.1 Each year this Ordinance is in effect, the County shall conduct a community education efforts to support the goal of protecting Marine Turtles against Artificial Light hazards.
- 10.2 The community education effort may include beach signage, printed materials and mailings, media advertising, and any other action deemed appropriate by the County.

Section 11. Fourth of July Enforcement Exception. Notwithstanding any other provision of this Ordinance, Section 4 shall not be in force from 5:00 am, on July 4 until 1:00 am. of July 5 of each year on the Atlantic Ocean Beaches of St. Johns County south of the north side of the Vilano Road access ramp to the St. Augustine Inlet.

Section 12. Conflicts. In the event this Ordinance conflicts with any other applicable regulations on this subject matter, the more restrictive shall apply.

Section 13. Severability. If any section, part of a sentence, paragraph, phrase or word of this Ordinance is for any reason held to be unconstitutional, inoperative, or void, for any Person, property or circumstance, such holdings shall not affect the remaining portions hereof and it shall be construed to have been the legislative intent to pass this Ordinance without such unconstitutional, invalid or inoperative part.

Section 14. Effective Date. This Ordinance shall take effect upon receipt by the Secretary of State.

PASSED AND ENACTED by the Board of County Commissioners of St. Johns County, State of Florida, this 27th day of April, 1999.

BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA

By: Marc A. Jacalone
Marc A. Jacalone, Chairman

ATTEST: CHERYL STRICKLAND, CLERK

By: Cheryl Strickland
Clerk

EFFECTIVE DATE: 05-03-99

The St. Augustine Record

PUBLISHED EVERY AFTERNOON MONDAY THROUGH FRIDAY, SATURDAY AND SUNDAY MORNING
ST. AUGUSTINE AND ST. JOHNS COUNTY, FLORIDA

STATE OF FLORIDA,
COUNTY OF ST. JOHNS

Before the undersigned authority personally appeared _____

LINDA Y MURRAY who on oath says that she is
ACCOUNTING CLERK of the St. Augustine Record, a
daily newspaper published at St. Augustine in St. Johns County, Florida:

that the attached copy of advertisement, being a _____

NOTICE OF PUBLIC HEARING (DISPLAY ADVERTISEMENT)

in the matter of ESTABLISHMENT OF ORDINANCE/REGULATIONS

AFFECTING THE USE OF LAND

in the _____ Court, was published in said newspaper in the

issues of _____

MONDAY, MARCH 29, 1999

Affiant further says that the St. Augustine Record is a newspaper published at St. Augustine, in said St. Johns County, Florida, and that the said newspaper heretofore been continuously published in said St. Johns County, Florida, each day and has been entered as second class mail matter at the post office in the City of St. Augustine, in said St. Johns County, Florida, for a period of one year next preceding the first publication of the copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing the advertisement for publication in the said newspaper.

Sworn to and subscribed before me this 29th day of MARCH, 1999,

by Linda Y Murray who is personally

known to me or who has produced PERSONALLY KNOWN as

(Type of Identification)

identification.

Zoe Ann Moss



(Signature of Notary Public)

Zoe Ann Moss
MY COMMISSION # CC841814 EXPIRES
August 22, 2001
BONDED THRU TROY FAIN INSURANCE, INC.

(Seal)

ZOE ANN MOSS

(Print, Type or Stamp Commissioned Name of Notary Public)

NOTICE OF PUBLIC HEARINGS OF THE ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS ON ESTABLISHMENT OF ORDINANCE/REGULATIONS AFFECTING THE USE OF LAND

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of St. Johns County, Florida, at a regular meeting on Tuesday, April 13, 1999 at 1:30 p.m. and Tuesday, April 27, 1999 at 5:30 p.m. in the County Auditorium at the County Administrative Complex, 4020 Lewis Speedway (County Road 16A and U.S. 1 North), St. Augustine, Florida will hold public hearings to consider adoption of the following proposed ordinance:

AN ORDINANCE OF THE ST. JOHNS COUNTY, FLORIDA, ESTABLISHING A LIGHTING MANAGEMENT PLAN FOR THE PROTECTION OF NESTING MARINE TURTLES AND THEIR HATCHLINGS; PROVIDING DEFINITIONS; PROVIDING LIMITATIONS OF JURISDICTION EXCLUDING INCORPORATED MUNICIPALITIES AND CERTAIN STATE AND FEDERAL PROPERTIES; PROVIDING GUIDELINES FOR LIMITATION OF NEW AND EXISTING PRIVATE AND PUBLIC EXTERIOR LIGHTING TO MINIMIZE ADVERSE EFFECT ON MARINE TURTLES; PROVIDING GUIDELINES FOR LIMITATION OF INTERIOR LIGHTING TO MINIMIZE ADVERSE EFFECT ON MARINE TURTLES; PROVIDING FOR ACTION IN CERTAIN CASES OF CUMULATIVE BEACH ILLUMINATION; DEFINING PROHIBITED ACTIVITIES DISRUPTIVE TO MARINE TURTLES; DEFINING STANDARDS FOR BEACH ACCESS POINTS; PROVIDING FOR COMPLIANCE INSPECTIONS; PENALTIES AND ENFORCEMENT; PROVIDING FOR A FUNDED COMMUNITY EDUCATION EFFORT; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

The proposed ordinance is on file in the office of the Clerk of the Board of County Commissioners at the St. Johns County Administration Complex, 4020 Lewis Speedway (CR 16A and U.S. #1), St. Augustine, Florida and may be examined by parties interested prior to the said public hearings. Please take note that the ordinance is subject to revision

prior to the hearings or adoption. All parties having any interest in said ordinance will be afforded an opportunity to be heard at the public hearings.

If a person decides to appeal any decision made with respect to any matter considered at the hearings, such person will need a record of the proceedings, and for such purposes he/she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

NOTICE TO PERSONS NEEDING SPECIAL ACCOMMODATIONS AND TO ALL HEARING IMPAIRED PERSONS: In accordance with the Americans with Disabilities Act, persons needing a special accommodation or an interpreter to participate in the proceedings should contact ADA Coordinator, at (904) 823-2501 or at the County Administration Building, 4020 Lewis Speedway, St. Augustine, FL 32095. For hearing impaired individuals, Telecommunication Device for the Deaf (TDD) 823-2501 or Florida Relay Service: 1-800-955-8770, no later than 4 days prior to the date of the hearing.

**BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA
CHERYL STRICKLAND, ITS CLERK
By: Patricia DeGrande, Deputy Clerk**



THE ST. AUGUSTINE RECORD

PUBLISHED EVERY AFTERNOON MONDAY THROUGH FRIDAY, SATURDAY AND SUNDAY MORNING
ST. AUGUSTINE AND ST. JOHNS COUNTY, FLORIDA

STATE OF FLORIDA,
COUNTY OF ST. JOHNS

Before the undersigned authority personally appeared Linda Y. Murray
who on oath says that she is Accounting Clerk of the St. Augustine Record,
a daily newspaper published at St. Augustine in St. Johns County, Florida:
that the attached copy of advertisement, being a

NOTICE OF PUBLIC HEARING (DISPLAY ADVERTISEMENT)

in the matter of **ESTABLISHMENT OF ORDINANCES/REGULATIONS
AFFECTING THE USE OF LAND**

in the Court, was published in said newspaper in the issues of

WEDNESDAY, APRIL 14, 1999

Affiant further says that the St. Augustine Record is a newspaper published
at St. Augustine, in said St. Johns County, Florida, and that the said newspaper
heretofore been continuously published in said St. Johns County, Florida, each
day and has been entered as second class mail matter at the post office in the
City of St. Augustine, in said St. Johns County, for a period of one year preceding
the first publication of the copy of advertisement; and affiant further says that
she has neither paid nor promised any person, firm or corporation any discount,
rebate, commission or refund for the purpose of securing the advertisement for
publication in the said newspaper.

Sworn to and subscribed before me this 15TH day of APRIL, 1999,

by Linda Y. Murray who is personally known to me
or who has produced **PERSONALLY KNOWN** as identification.

Zoe Ann Moss
(Signature of Notary Public)



Zoe Ann Moss
MY COMMISSION # CC641814 EXPIRES
August 22, 2004
BONDED THRU TROY FAIN INS. (Seal) Co.

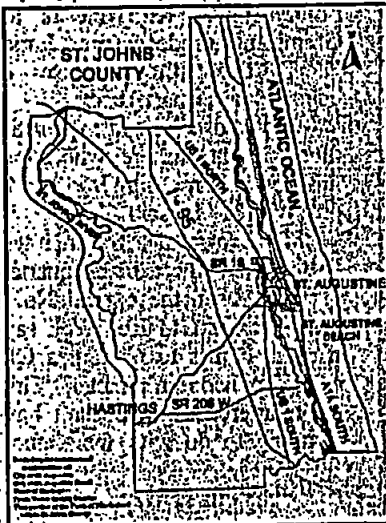
Zoe Ann Moss

NOTICE OF PUBLIC HEARINGS OF THE ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS ON ESTABLISHMENT OF ORDINANCE/REGULATIONS AFFECTING THE USE OF LAND

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**BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA
CHERYL STRICKLAND, ITS CLERK
By: Patricia DeGrande, Deputy Clerk**

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