

RESOLUTION NO. 2021- 404

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 SOUTH PONTE VEDRA AND VILANO BEACH COASTAL STORM RISK MANAGEMENT PROJECT.

WHEREAS, St. Johns County is currently working with the U.S. Army Corps of Engineers (USACE) and the Florida Department of Environmental Protection (FDEP) on a multi-year federal beach restoration in the South Ponte Vedra and Vilano Beach Coastal Storm Risk Management Project (the "Project"); and,

WHEREAS, St. Johns County will provide local cost share funding from an established MSTU for the project area and 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 USACE finished construction of the initial nourishment of the project area in early 2021; and,

WHEREAS, St. Johns County will continue to monitor the performance of the project; and,

WHEREAS, the USACE has begun working on a validation study to identify an additional sand source for future scheduled and emergency nourishment events; 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 14:58:02 -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)

South Ponte Vedra and Vilano Beach Coastal Storm Risk Management Project, St. Johns County, R-102.5 through R-117.5

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

The initial restoration of the USACE's South Ponte Vedra and Vilano Beaches (SPVVB) Coastal Storm Risk Management (CSRМ) Project was completed in Jan 2021. The project placed about 1.3 mcy of sand along the entire federally authorized length – from R102.5 to R117.5 in St. Johns County. The St. Augustine Inlet flood shoal complex served as the borrow area.

The Jacksonville District is initiating a Validation Report for the SPVVB CSRМ Project that includes Vilano and South Ponte Vedra Beaches from R102.5 to R117.5 in St. Johns County. The purpose of the Validation Report is to justify the use of additional sand borrow sources located offshore St. Johns County. Currently, the borrow area for the project is limited to the St. Augustine Inlet interior shoals – mostly the flood shoal, and limited parts of the AIWW and Davis Shoals. Note that the 2021 restoration event of the CSRМ dredged much of the flood shoals (about 1.3 mcy) and the St. Augustine inlet management plan imposes severe dredging constraints for the inlet shoals. Thus, the USACE, through the Validation Report, wishes to add (additional) offshore borrow sources to the authorized federal project to ensure enough sand is available for any emergency post-hurricane renourishment event and potentially for regularly-scheduled renourishment events.



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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 FY2022/2023 will support year 2 monitoring. Monitoring for summer 2022 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 monitoring and remediation) required by FDEP permit 0377120-001-JC. Funds requested for a validation study will identify an offshore borrow sources to the authorized federal project to ensure enough sand is available for any emergency post-hurricane renourishment event and potentially for regularly-scheduled renourishment events.

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 = 15,670 ft (R-102.5 through R-117.5)



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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						
19/20						
19/20						
20/21						
20/21						
20/21						
21/22						
21/22						
21/22						
22/23	Design	Validation	116,000	98,203	185,797	400,000
22/23	Monitoring	Physical Monitoring	18,850	15,958	30,192	65,000
22/23	Monitoring	Biological Monitoring		38,036	71,964	110,000
23/24	Monitoring	Physical Monitoring	33,640	28,479	53,881	116,000
23/24	Monitoring	Biological Monitoring		39,765	75,235	115,000
23/24						



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Fiscal Year	Project Phase	Description	Federal Cost	State Cost	Local Cost	Total Cost
24/25	Monitoring	Physical Monitoring	30,740	26,024	49,236	106,000
24/25						
24/25						
25/26						
25/26						
25/26						
26/27	Monitoring	Physical Monitoring	31,900	27,006	51,094	110,000
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?

Yes

Authorization Year: 2018

Expiration Year: 2070

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

Yes

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: The USACE has committed to cost sharing the physical monitoring work with carryover, extended duration construction funds. The USACE will not

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. n/a

For restoration projects, what is the historical erosion rate? Department to calculate

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)? 1.3 M CY (construction completed January 2021)

What is the nourishment interval (years)? 12 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? Yes

Has the current proposed project phase(s) received a partial state appropriation within 3 years of phase completion? No

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.

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

Constructed beach nourishment incorporates new dune feature. A lighting ordinance for sea turtle protection covers the project area; nighttime lighting surveys are annually conducted to support enforcement

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

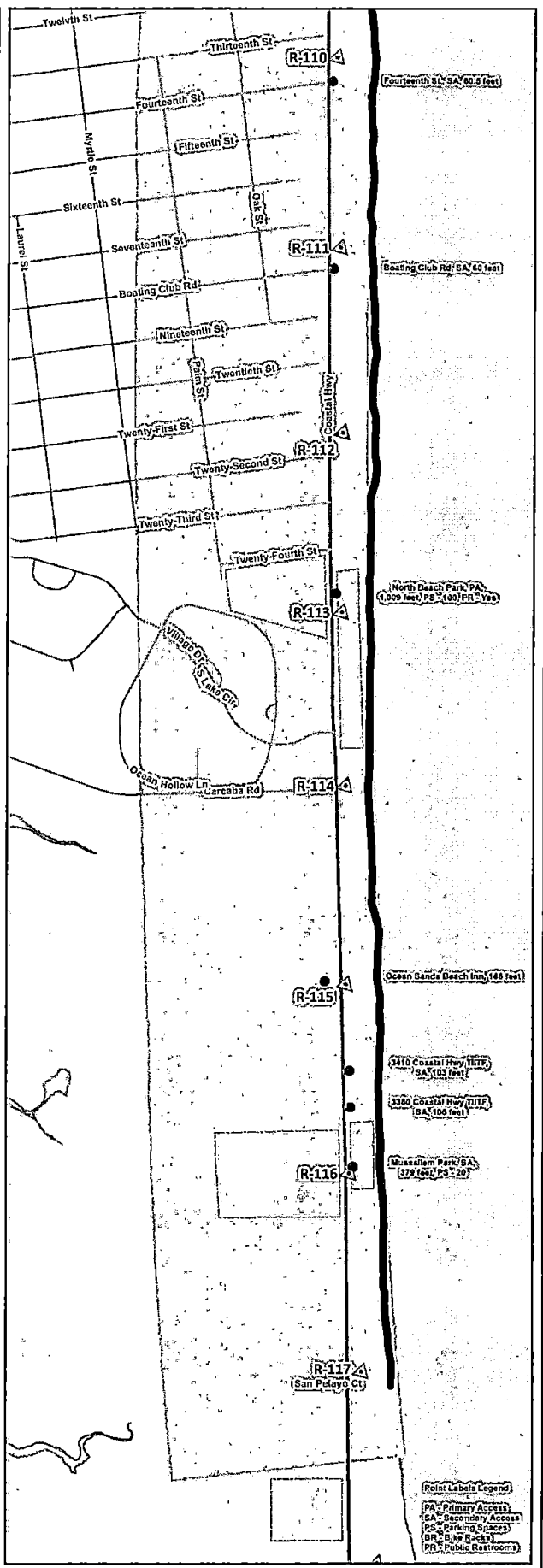
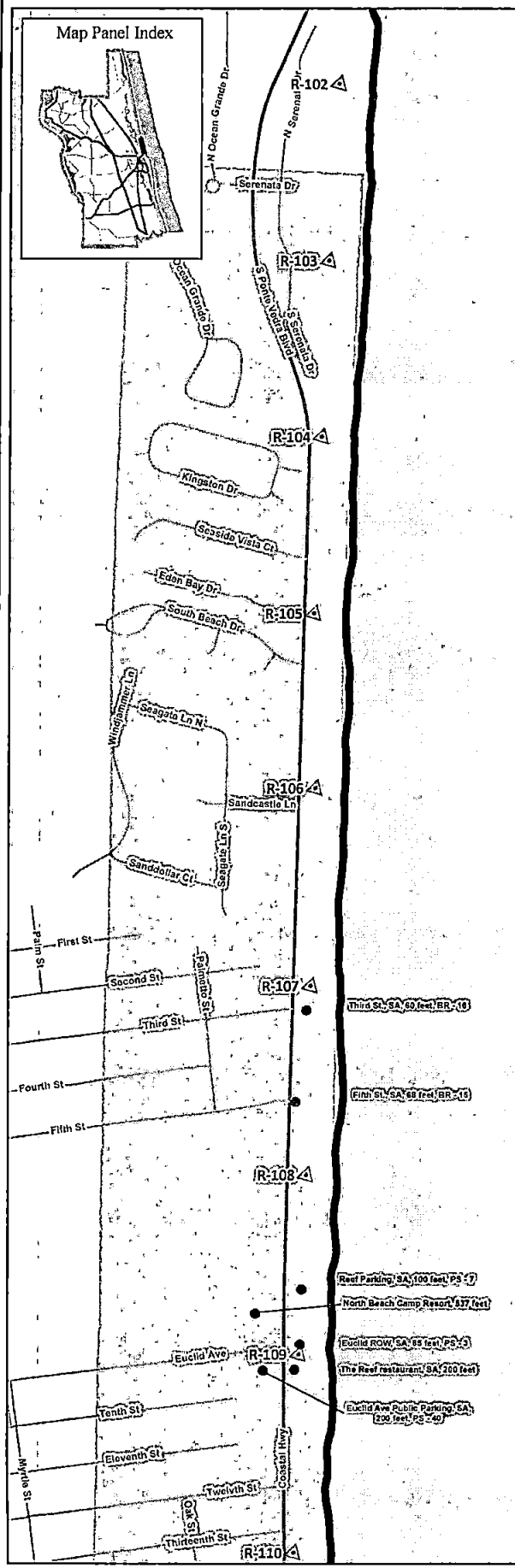
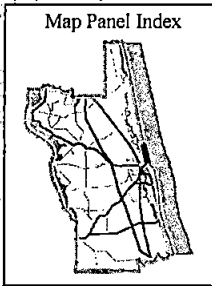
An MSTU for the project area was created in Mar 20 19. The County intends to use a combination of MSTU and Tourism Development Tax revenues to fund the project.



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Provide additional information and comments below or attach supporting documents.

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



- Beach Access / Public Lodging Locations
- ▴ Range Monuments
- ▾ Critically Eroded Beach
- ¼ Mile Buffer for the Property Value Calculations
- Water
- ▨ Saltwater Marsh
- ▭ Park Boundary
- ▭ Municipal Boundary

**South Ponte Vedra and
Vilano Beaches Coastal Storm
Risk Management Project,
St. Johns County R102.5 - R117.5**

0 250 500 750
Feet

DISCLAIMER:
This map is for reference use only. Data provided are derived from multiple sources with varying levels of accuracy. The St. Johns County GIS Division disclaims all responsibility for the accuracy or completeness of the data shown herein.
Map Prepared: 7/30/2021 119051



- (Point Labels Legend)**
- PA - Primary Access
 - SA - Secondary Access
 - PS - Parking Spaces
 - BR - Bike Rack
 - PR - Public Restroom

STRAP	JUST VALUE	LANDUSE
142220000	140000	Hardwood Forests,Wetlands/NF
1422289000	0	Res,Recreational,Hardwood Forests,Water,Water,Wetlands/NF
1422290001	0	Res
1422290002	0	Res
1422290003	0	Res
1422290004	0	Res,Hardwood Forests
1422290005	0	Res,Hardwood Forests
1422290006	0	Res
1422290007	0	Res
1422290008	0	Res
1422290009	0	Res
1422290010	0	Res
1422290111	419000	Res
1422290112	370000	Res
1422290113	340000	Res
1422290114	340000	Res
1422290115	370000	Res
1422290116	419000	Res
1422290121	439950	Res
1422290122	388500	Res
1422290123	357000	Res
1422290124	357000	Res
1422290125	388500	Res
1422290126	439950	Res
1422290131	460900	Res
1422290132	407000	Res
1422290133	374000	Res
1422290134	374000	Res
1422290135	407000	Res
1422290136	460900	Res
1422290211	419000	Res
1422290212	340000	Res
1422290213	340000	Res
1422290214	419000	Res
1422290221	439950	Res
1422290222	357000	Res
1422290223	357000	Res
1422290224	439950	Res
1422290231	460900	Res
1422290232	374000	Res
1422290233	374000	Res
1422290234	460900	Res
1422290311	419000	Res
1422290312	370000	Res
1422290313	340000	Res
1422290314	340000	Res
1422290315	370000	Res
1422290316	419000	Res
1422290321	439950	Res
1422290322	388500	Res
1422290323	357000	Res
1422290324	357000	Res
1422290325	388500	Res
1422290326	439950	Res
1422290331	460900	Res
1422290332	457000	Res
1422290333	374000	Res
1422290334	374000	Res
1422290335	407000	Res
1422290336	460900	Res

STRAP	JUST VALUE	LANDUSE
1422290411	419000	Res,Hardwood Forests
1422290412	340000	Res,Hardwood Forests
1422290413	340000	Res,Hardwood Forests
1422290414	419000	Res,Hardwood Forests
1422290421	439950	Res,Hardwood Forests
1422290422	357000	Res,Hardwood Forests
1422290423	357000	Res,Hardwood Forests
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1422290432	374000	Res,Hardwood Forests
1422290433	374000	Res,Hardwood Forests
1422290434	460900	Res,Hardwood Forests
1422290511	431290	Res,Hardwood Forests
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1422290522	367710	Res,Hardwood Forests
1422290523	367710	Res,Hardwood Forests
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1422290613	306000	Res
1422290614	381290	Res
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1422290623	367710	Res
1422290624	453148	Res
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1422290632	385220	Res
1422290633	385220	Res
1422290634	474727	Res
1422290711	389670	Res
1422290712	340400	Res
1422290713	312800	Res
1422290714	312800	Res
1422290715	340400	Res
1422290716	389670	Res
1422290721	409154	Res
1422290722	357420	Res
1422290723	328440	Res
1422290724	328440	Res
1422290725	357420	Res
1422290726	409154	Res
1422290731	428637	Res
1422290732	378510	Res
1422290733	347820	Res
1422290734	347820	Res
1422290735	378510	Res
1422290736	428637	Res
1422290811	389670	Res
1422290812	312800	Res
1422290813	312800	Res
1422290814	389670	Res
1422290821	409154	Res
1422290822	328440	Res

STRAP	JUST VALUE	LANDUSE
1422290823	328440	Res
1422290824	409154	Res
1422290831	428637	Res
1422290832	347820	Res
1422290833	347820	Res
1422290834	428637	Res
1422290911	419000	Res
1422290912	370000	Res
1422290913	340000	Res
1422290914	340000	Res
1422290915	370000	Res
1422290916	419000	Res
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1422290922	388500	Res
1422290923	357000	Res
1422290924	357000	Res
1422290925	388500	Res
1422290926	439950	Res
1422290931	460900	Res
1422290932	407000	Res
1422290933	374000	Res
1422290934	374000	Res
1422290935	407000	Res
1422290936	460900	Res
1422291011	419000	Res
1422291013	340000	Res
1422291014	340000	Res
1422291015	370000	Res
1422291016	419000	Res
1422291021	439950	Res
1422291022	388500	Res
1422291023	357000	Res
1422291024	357000	Res
1422291025	388500	Res
1422291026	439950	Res
1422291031	460900	Res
1422291032	407000	Res
1422291033	374000	Res
1422291034	374000	Res
1422291035	407000	Res
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1422300190	4163051	Recreational,Recreational,Upland Non-Forests,Not Categorized
1422300210	50000	Res,Recreational,Upland Non-Forests,Not Categorized
1422300240	489239	Recreational
1422301000	0	Res,Recreational,Recreational,Upland Non-Forests,Not Categorized
1422301011	0	Res
1422301012	0	Res
1422301013	0	Res
1422301014	0	Res
1422301111	780000	Res
1422301112	700000	Res
1422301113	780000	Res
1422301121	867400	Res
1422301122	756000	Res
1422301123	842400	Res
1422301131	904800	Res
1422301132	812000	Res
1422301133	904800	Res
1422301211	805000	Res
1422301212	640000	Res

STRAP	JUST VALUE	LANDUSE
1422301213	640000	Res
1422301214	780000	Res
1422301221	842400	Res
1422301222	704000	Res
1422301223	640000	Res
1422301224	842400	Res
1422301231	904800	Res
1422301232	768000	Res
1422301233	1200000	Res
1422301311	790000	Res
1422301312	640000	Res
1422301313	640000	Res
1422301314	780000	Res
1422301321	852400	Res
1422301322	704000	Res
1422301323	704000	Res
1422301324	842400	Res
1422301331	904800	Res
1422301332	768000	Res
1422301333	778000	Res
1422301334	904800	Res
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1422301412	640000	Res
1422301413	640000	Res
1422301414	780000	Res
1422301421	842400	Res
1422301422	704000	Res
1422301423	704000	Res
1422301424	842400	Res
1422301431	904800	Res
1422301432	768000	Res
1422301433	768000	Res
1422301434	904800	Res
1422400020	168780	Res, Recreational, Hardwood Forests
1422900001	21800	Res
1422900002	0	Res
1422900010	353357	Res
1422900020	319449	Res
1422900030	390024	Res
1422900040	283407	Res
1422900050	330645	Res
1422900060	326702	Res
1422900070	329711	Res
1422900080	276763	Res
1422900090	267136	Res
1422900100	298511	Res
1422900110	284750	Res
1422900120	255166	Res
1422900130	265947	Res
1422900140	289099	Res
1422900150	285547	Res
1422900160	287471	Res
1422900170	247024	Res
1422900180	280559	Res
1422900190	286400	Res
1422900200	331029	Res
1422900210	429294	Res
1422900220	379818	Res
1422900230	367783	Res
1422900240	376496	Res

STRAP	JUST VALUE	LANDUSE
1422900250	381772	Res,Wetlands/NF
1422900260	334518	Res,Wetlands/NF
1422900270	333499	Res,Wetlands/NF
1422900280	344309	Res,Wetlands/NF
1422900290	407236	Res,Wetlands/NF
1422900300	477838	Res
1422900310	264587	Res
1422900320	258844	Res
1422900330	313824	Res
1422900340	243085	Res,Hardwood Forests
1422900350	275425	Res,Hardwood Forests
1422900360	268688	Res
1422900370	298666	Res
1422900380	273560	Res
1422900390	290660	Res
1422900400	270360	Res
1422900410	281144	Res
1422900420	274812	Res
1422900430	269374	Res
1422900440	386592	Res
1422900450	319662	Res
1422900460	321104	Res
1422900470	305234	Res
1422900480	284359	Res
1422900490	271060	Res,Water
1422900500	320837	Res,Water
1422900510	269314	Res,Water
1422900520	284871	Res,Water
1422900530	279986	Res,Water
1422900540	285428	Res,Water
1422900550	323131	Res,Water
1422900560	277538	Res,Water
1422900570	279956	Res,Water
1422900580	278973	Res,Water
1422900590	306311	Res,Water
1422900600	278234	Res,Water
1422900610	255953	Res,Water
1422900620	283222	Res,Water
1422900630	289945	Res,Water
1422900640	275948	Res,Water
1422900650	304324	Res,Water
1422900660	310974	Res,Water
1422900670	262992	Res,Water
1422900680	299909	Res,Water
1422900690	297326	Res,Water
1422900700	270721	Res,Water
1422900710	279883	Res,Water
1422900720	261949	Res,Water
1422900730	280437	Res,Water
1422900740	327840	Res,Water
1422900748	0	Res,Recreational,Upland Non-Forests,Not Categorized
1422900750	816688	Res,Recreational,Upland Non-Forests,Not Categorized
1422900760	691342	Res,Recreational,Upland Non-Forests,Not Categorized
1422900770	704992	Res,Recreational,Upland Non-Forests,Not Categorized
1422900780	861698	Res,Recreational,Upland Non-Forests,Not Categorized
1422900790	758108	Res,Recreational,Upland Non-Forests,Not Categorized
1423000010	5000	Res,Upland Non-Forests
1423100000	350	Hardwood Forests,Wetlands/NF
1423100001	156500	Res,Upland Non-Forests,Hardwood Forests
1423100002	175000	Res,Hardwood Forests

STRAP	JUST VALUE	LANDUSE
142310003	2148750	Res,Res,Hardwood Forests
1423100040	98	Res,Hardwood Forests,Wetlands/NF
1423100041	31500	Res,Upland Non-Forests,Hardwood Forests
1423100050	1500	Hardwood Forests
1423110001	0	Res
1423110002	0	Res
1423110004	0	Res,Recreational,Upland Non-Forests
1423110010	543563	Res
1423110020	520364	Res
1423110030	517922	Res
1423110040	502616	Res
1423110050	531544	Res
1423110060	520364	Res
1423110070	526619	Res,Hardwood Forests
1423110080	499984	Res,Hardwood Forests
1423110090	329966	Res
1423110100	463495	Res
1423110110	485913	Res
1423110120	438442	Res
1423110130	420464	Res
1423110140	70000	Res,Recreational,Upland Non-Forests
1423110150	70000	Res,Recreational,Upland Non-Forests,Not Categorized
1423110160	75000	Res,Recreational,Upland Non-Forests,Not Categorized
1423200020	1010805	Res,Recreational,Upland Non-Forests,Not Categorized
1423200030	671422	Res,Recreational,Upland Non-Forests,Not Categorized
1423200040	862357	Res,Recreational,Upland Non-Forests,Not Categorized
1423200050	975175	Res,Recreational,Upland Non-Forests,Not Categorized
1423210001	1500	Res
1423210002	0	Res,Res,Hardwood Forests,Water
1423210003	22100	Res
1423210010	367856	Res
1423210020	416786	Res
1423210030	382443	Res
1423210040	332075	Res
1423210050	317184	Res
1423210060	310850	Res
1423210070	293514	Res
1423210080	336428	Res
1423210090	308198	Res
1423210100	291801	Res
1423210110	344283	Res
1423210120	379167	Res
1423210130	406999	Res,Hardwood Forests
1423210140	361734	Res
1423210150	369858	Res
1423210190	364885	Res
1423210200	331988	Res,Res
1423210210	286546	Res,Res
1423210220	299769	Res
1423210230	308949	Res
1423210240	291081	Res
1423210250	277749	Res
1423210260	311063	Res
1423210270	347267	Res,Res,Water
1423210280	364365	Res
1423210290	361170	Res
1423210300	327763	Res
1423210310	402384	Res
1423210320	320348	Res
1423210330	326057	Res

STRAP	JUST VALUE	LANDUSE
1423210340	341423	Res
1423210350	341203	Res
1423210360	390422	Res
1423300001	61700	Res, Res, Res
1423300010	157816	Res
1423300011	156797	Res
1423300012	155342	Res
1423300013	152507	Res
1423300014	27500	Res
1423300020	0	Res
1423300021	321826	Res
1423300022	331733	Res
1423300023	304746	Res
1423300024	338213	Res
1423300030	0	Res
1423300031	357617	Res
1423300032	349103	Res
1423300033	346716	Res
1423300034	405282	Res
1423300040	0	Res, Res
1423300041	353677	Res
1423300042	344891	Res
1423300043	342665	Res
1423300044	356158	Res
1423300050	521328	Res, Res
1423300060	523986	Res, Res
1423300061	523986	Res
1423300062	523986	Res
1423300063	0	Res
1423300064	523986	Res
1423300070	271069	Res
1423300071	222262	Res
1423300072	221089	Res
1423300079	0	Res, Res
1423300080	161399	Res
1423300081	175673	Res
1423300083	173313	Res
1423300084	178692	Res
1423300089	0	Res
1423300091	177071	Res
1423300092	183729	Res
1423300093	180109	Res
1423300094	176195	Res
1423300099	0	Res
1423300100	164870	Res
1423300101	167733	Res
1423300102	161399	Res
1423300103	165533	Res
1423300110	161980	Res
1423300111	167960	Res
1423300112	161980	Res
1423300114	162201	Res
1423300119	0	Res
1423300120	150000	Res
1423300150	150000	Res
1423300151	563892	Res
1423300160	0	Res
1423300170	0	Res
1423300180	0	Res
1423300190	0	Res

STRAP	JUST VALUE	LANDUSE
1423300200	0	Res
1423300210	0	Res
1423300220	0	Res
1423300221	337943	Res
1423300230	0	Res
1423300231	321028	Res
1423300232	344033	Res
1423300240	112500	Res
1423300241	280279	Res
1423300242	257895	Res
1423300250	161283	Res
1423300251	162855	Res
1423300253	162855	Res
1423300254	161735	Res
1423300259	0	Res
1423300260	182390	Res
1423300261	164720	Res
1423300263	183922	Res
1423300264	172008	Res
1423300269	0	Res,Res
1423300270	686419	Res,Res
1423300280	176150	Res,Res
1423300281	162798	Res,Res
1423300282	182899	Res,Res
1423300284	262066	Res,Res
1423300289	0	Res
1423300290	603082	Res,Res,Res
1423300300	170000	Res
1423300310	491256	Res
1423300311	533128	Res
1423300320	170000	Res
1423300330	151527	Res
1423300332	151527	Res
1423300333	151527	Res
1423300334	151527	Res
1423300339	0	Res
1423300340	167370	Res
1423300342	160256	Res
1423300343	154131	Res
1423300344	151583	Res
1423300349	0	Res
1423300350	169464	Res
1423300352	160602	Res
1423300353	164225	Res
1423300354	160622	Res
1423300360	171976	Res
1423300361	161824	Res
1423300362	161824	Res
1423300363	161824	Res
1423300364	161824	Res
1423300365	161824	Res
1423300366	0	Res
1423300371	184249	Res
1423300372	161957	Res
1423300373	168246	Res
1423300374	169476	Res
1423300375	161957	Res
1423300376	188898	Res
1423300379	0	Res
1423300380	161291	Res

STRAP	JUST VALUE	LANDUSE
1423300381	161291	Res
1423300383	173567	Res
1423300384	164177	Res
1423300385	187805	Res
1423300386	165920	Res
1423300389	0	Res
1423300390	161460	Res
1423300391	161460	Res
1423300392	171076	Res
1423300393	161460	Res
1423300394	171552	Res
1423300395	180483	Res
1423300399	0	Res
1423300400	165698	Res
1423300401	168167	Res
1423300402	182594	Res
1423300403	167119	Res
1423300405	164885	Res
1423300406	162275	Res
1423300409	-0	Res
1423300411	0	Res
1423300412	0	Res
1423300413	0	Res
1423300414	0	Res
1423300415	0	Res
1423300420	160279	Res
1423300422	162345	Res
1423300423	160687	Res
1423300424	158311	Res
1423300429	0	Res
1423300431	159049	Res
1423300432	160447	Res
1423300433	160447	Res
1423300434	160685	Res
1423300439	0	Res
1423300441	174883	Res
1423300442	186125	Res
1423300443	172614	Res
1423300444	197063	Res
1423300449	0	Res
1423300450	155537	Res
1423300451	171830	Res
1423300452	155537	Res
1423300454	158123	Res
1423300459	0	Res
1423300460	0	Res
1423300461	165039	Res
1423300462	172623	Res
1423300463	166389	Res
1423300464	168870	Res
1423300471	151687	Res
1423300472	150407	Res
1423300473	151527	Res
1423300474	154704	Res
1423300479	0	Res
1423300480	171796	Res
1423300481	164789	Res
1423300482	164415	Res
1423300484	164415	Res
1423300489	0	Res

STRAP	JUST VALUE	LANDUSE
1423300490	169665	Res
1423300492	172865	Res
1423300493	176307	Res
1423300494	169665	Res
1423300499	0	Res
1423400000	560838	Res,Recreational,Upland Non-Forests
1423410010	165000	Res,Recreational,Upland Non-Forests
1423410020	201378	Res,Recreational,Upland Non-Forests
1423410030	458378	Res,Recreational,Upland Non-Forests
1423410040	281133	Res,Recreational,Upland Non-Forests,Not Categorized
1423410050	680775	Res,Recreational,Upland Non-Forests,Not Categorized
1423410060	453125	Res,Recreational,Upland Non-Forests
1423410070	688811	Res,Recreational,Upland Non-Forests,Not Categorized
1423410080	493723	Res,Recreational,Upland Non-Forests,Not Categorized
1423410090	582855	Res,Recreational,Upland Non-Forests,Not Categorized
1423410100	531462	Res,Recreational,Upland Non-Forests,Not Categorized
1423410110	901092	Res,Recreational,Upland Non-Forests,Not Categorized
1423410120	670939	Res,Recreational,Upland Non-Forests,Not Categorized
1423410130	487907	Res,Recreational,Upland Non-Forests,Not Categorized
1423410140	759721	Res,Recreational,Upland Non-Forests,Not Categorized
1423410150	460809	Res,Recreational,Upland Non-Forests,Not Categorized
1423410160	179492	Res,Recreational,Upland Non-Forests,Not Categorized
1423450030	450441	Res,Recreational,Upland Non-Forests
1423450040	719358	Res,Recreational,Upland Non-Forests
1423710001	0	Res,Recreational,Wetlands/NF,Transportation/Communication/and Utilities
1423710002	0	Res,Recreational,Water,Wetlands/NF,Transportation/Communication/and Utilities
1423710003	0	nd Utilities
1423710010	234714	Res
1423710020	250001	Res
1423710030	234342	Res
1423710040	220740	Res,Water
1423710050	270938	Res,Water
1423710060	222021	Res,Water
1423710070	225199	Res
1423710080	213319	Res
1423710090	216296	Res
1423710100	235025	Res
1423710110	236489	Res
1423710120	232215	Res
1423710130	242077	Res
1423710140	232394	Res
1423710150	235165	Res
1423710160	221808	Res
1423710170	199542	Res
1423710180	212504	Res
1423710190	227699	Res
1423710200	238305	Res,Transportation/Communication/and Utilities
1423710210	231148	Res
1423710220	274357	Res,Water
1423710230	241889	Res,Water
1423710240	250672	Res,Water
1423710250	301719	Res
1423710260	221252	Res
1423710270	0	Res
1423710280	217903	Res
1423720001	0	Res
1423720002	0	Res,Res,Water
1423720290	325274	Res
1423720300	269602	Res

STRAP	JUST VALUE	LANDUSE
1423720310	244816	Res
1423720320	241083	Res
1423720330	243320	Res
1423720340	310554	Res
1423720350	261848	Res,Water
1423720360	254289	Res,Water
1423720370	278237	Res
1423720380	262671	Res
1423720390	276069	Res
1423720400	218765	Res
1423720410	245205	Res
1423720420	251248	Res
1423720430	283263	Res
1423720440	204063	Res
1423720450	286531	Res
1423720460	244372	Res
1423720470	239272	Res
1423720480	279915	Res
1423720490	252562	Res
1423720500	270628	Res
1423720510	280968	Res,Water
1423720520	243672	Res,Water
1423720530	371429	Res
1423720540	255585	Res
1423720550	326279	Res
1423720560	277536	Res,Water
1423720570	223697	Res,Water
1423720580	235878	Res
1423720590	295788	Res,Water
1423720600	214618	Res,Water
1423720610	292308	Res
1423720620	280091	Res
1423720630	245177	Res
1423720640	260795	Res
1423720650	257880	Res,Water
1423720660	242892	Res,Water
1423720670	252947	Res
1423720680	288928	Res
1423720690	251994	Res
1423720850	260666	Res
1423720860	234533	Res
1423720870	234480	Res
1423720880	261633	Res
1423730001	0	Res,Res,Wetlands/NF,Transportation/Communication/and Utilities
1423730004	0	Res
1423730005	0	Res
1423730890	257169	Res
1423800020	1305000	Recreational,Upland Non-Forests Res,Recreational,Wetlands/NF,Transportation/Communication/and Utilities
1423850000	0	Utilities
1423850001	0	Res
1423850100	132600	Res
1423850101	157600	Res
1423850102	146500	Res
1423850103	146500	Res
1423850104	175000	Res
1423850105	175000	Res
1423850106	146500	Res
1423850107	146500	Res
1423850108	175000	Res

STRAP	JUST VALUE	LANDUSE
1423850109	175000	Res
1423850110	146500	Res
1423850111	196500	Res
1423850112	200000	Res
1423850113	175000	Res
1423850114	146500	Res
1423850115	146500	Res
1423850116	180000	Res
1423850117	175000	Res
1423850118	217000	Res
1423850119	217000	Res
1423850120	265000	Res
1423850121	210000	Res
1423850200	139230	Res
1423850201	139230	Res
1423850202	175800	Res
1423850203	175800	Res
1423850204	210000	Res
1423850205	210000	Res
1423850206	175800	Res
1423850207	175800	Res
1423850208	210000	Res
1423850209	210000	Res
1423850210	175800	Res
1423850211	175800	Res
1423850212	220000	Res
1423850213	210000	Res
1423850214	175800	Res
1423850215	175800	Res
1423850216	210000	Res
1423850217	210000	Res
1423850219	232190	Res
1423850300	145860	Res
1423850301	155860	Res
1423850302	205100	Res
1423850303	205100	Res
1423850304	245000	Res
1423850306	205100	Res
1423850307	258000	Res
1423850308	245000	Res
1423850309	245000	Res
1423850310	205100	Res
1423850311	205100	Res
1423850312	245000	Res
1423850313	245000	Res
1423850314	205100	Res
1423850315	205100	Res
1423850316	245000	Res
1423850317	245000	Res
1423850318	247380	Res
1423850319	247380	Res
1424100000	2378673	Res, Commercial and Services, Upland Non-Forests, Wetlands/NF
1424100010	45400	Commercial and Services, Recreational
1424130000	6000	Forests, Wetlands/NF
1424130001	15000	Res, Recreational
1424130010	293937	Res, Wetlands/NF
1424130020	815302	Res, Wetlands/NF
1424130030	446853	Res, Wetlands/NF
1424130040	405159	Res, Wetlands/NF

STRAP	JUST VALUE	LANDUSE
		Upland Non-Forests,Upland Non-Forests,Wetlands/NF,Wetlands/Non-
1424130050	13175	Vegetated
1424130070	404437	Res,Wetlands/NF
1424130080	180000	Res,Upland Non-Forests,Wetlands/NF
1424600001	0	Res
1424600002	0	Recreational,Upland Non-Forests
1424700000	545158	Res,Recreational
1424800000	112500	Res,Recreational
1424900000	636208	Res,Wetlands/NF
1424900020	492546	Res,Wetlands/NF
1424900030	325774	Res,Wetlands/NF
1425000000	219455	Res,Wetlands/NF
1425100000	482041	Res,Wetlands/NF,Wetlands/Non-Vegetated
1425100010	320818	Res,Wetlands/NF,Wetlands/Non-Vegetated
1425100020	1000	Wetlands/NF,Wetlands/Non-Vegetated
1425200000	504294	Res,Recreational
1425300000	323127	Res,Wetlands/NF
1425300010	18500	Res,Wetlands/NF
1425300150	180000	Res,Wetlands/NF
1425300151	374278	Res,Wetlands/NF
1425300152	180000	Res,Upland Non-Forests,Wetlands/NF
1425400000	551269	Res,Recreational
1425400020	0	Res,Recreational
1425500000	550247	Res,Recreational
1425600000	459170	Res,Recreational
1425700000	515201	Res,Recreational
1425800000	9800	Res,Recreational
1425900000	20000	Res,Recreational
1426010010	180000	Res,Upland Non-Forests,Wetlands/NF
1426010020	927845	Res,Upland Non-Forests,Wetlands/NF
1426010030	180000	Res,Upland Non-Forests
1426010040	313510	Res,Upland Non-Forests,Upland Non-Forests
1426100010	1497643	Res,Commercial and Services,Upland Non-Forests,Wetlands/NF
1426100011	94355	Res,Commercial and Services,Recreational,Not Categorized
1426300000	20000	Commercial and Services,Recreational
1426400000	20000	Res,Commercial and Services,Recreational
1426500000	20000	Res,Recreational
1426500010	20000	Res,Recreational
1426560000	0	Res,Hardwood Forests,Wetlands/NF
1426560001	0	Res
1426560002	0	Res
1426560003	0	Res
1426560004	0	Res
1426560010	254100	Res
1426560020	254100	Res
1426560030	254100	Res
1426560040	254100	Res
1426560050	254100	Res
1426560060	254100	Res
1426560070	254100	Res
1426560080	254100	Res
1426560090	254100	Res
1426560100	231000	Res
1426560110	231000	Res
1426560120	231000	Res
1426560130	231000	Res
1426560140	254100	Res
1426560150	254100	Res
1426560160	254100	Res
1426560170	254100	Res

STRAP	JUST VALUE	LANDUSE
1426560180	254100	Res
1426560190	254100	Res
1426560200	254100	Res
1426560210	279100	Res
1426560220	231000	Res
1426560230	231000	Res
1426560240	231000	Res
1426560250	231000	Res
1426560260	231000	Res
1426600000	366700	Res,Hardwood Forests,Wetlands/NF
1426600001	416350	Hardwood Forests,Wetlands/NF
1426600002	1100000	Res;Recreational,Hardwood Forests
1426700000	1000	Recreational,Hardwood Forests
1426700001	7500	Recreational,Hardwood Forests
1452090001	0	Res
1452090002	29900	Res
1452090060	165000	Res,Res
1452090070	445019	Res,Res
1452090080	493639	Res,Res
1452090090	517084	Res,Res
1452090100	460098	Res,Res
1452090110	424954	Res
1452090120	500832	Res
1452090130	468612	Res
1452090140	455015	Res
1452090150	410387	Res
1452090160	459031	Res
1452090170	463478	Res
1452090180	431542	Res,Res
1452090190	493936	Res,Res,Res
1452090200	449711	Res
1452090210	165000	Res,Res
1452090220	499396	Res,Res
1452090230	185000	Res,Res
1452090240	185000	Res
1452090250	407403	Res
1452090260	403560	Res
1452090270	466033	Res
1452100001		Res,Res,Commercial and Services,Recreational,Hardwood 0 Forests,Hardwood Forests,Transportation/Communication/and Utilities Res,Res,Res,Commercial and Services,Recreational,Upland Non- 0 Forests,Upland Non-Forests,Hardwood Forests,Not Categorized.
1452100002	500	Res,Hardwood Forests
1452200000	808502	Res,Recreational,Upland Non-Forests
1452200010	443303	Res
1452200040	361954	Res
1452200060	415881	Res
1452200080	165000	Res
1454200010	461840	Res
1454200020	476953	Res
1454400000	484428	Res
1454400020	303824	Res
1454400050	459066	Res
1454400060	316060	Res
1454400090	476445	Res
1454400100	338289	Res
1454400130	534816	Res
1454400140	387241	Res
1454500000	459999	Res

STRAP	JUST VALUE	LANDUSE
1454500020	391361	Res
1454500060	339569	Res
1455650010	342340	Res
1455650020	364713	Res
1455650050	0	Res
1455650060	271447	Res
1455670010	558920	Res
1455670050	369850	Res
1455670060	165000	Res
1455670090	283001	Res
1455670100	313639	Res
1455670130	357317	Res
1455670140	427613	Res
1455700010	677733	Res,Recreational,Upland Non-Forests
1455700020	829140	Res,Recreational,Upland Non-Forests
1455700055	6075	Res
1455700100	598700	Res
1455700190	444338	Res
1455700200	476084	Res
1455790000	548456	Res,Recreational,Upland Non-Forests
1455800000	694471	Res,Recreational,Upland Non-Forests
1455800080	903721	Res
1455800100	400641	Res
1455800140	550409	Res
1455800150	165000	Res
1455800200	165000	Res
1455830010	394380	Res
1455830020	413696	Res
1455830050	303264	Res
1455830060	165000	Res
1455830090	0	Res
1455830100	656073	Res
1455830120	311237	Res
1455830140	613283	Res
1455840010	312221	Res
1455850000	358369	Res
1455850050	345283	Res
1455850060	425419	Res
1455960010	19400	Hardwood Forests
1455960011	461012	Res,Hardwood Forests
1455960030	498265	Res,Hardwood Forests
1455960070	694415	Res,Hardwood Forests
1455980000	18800	Res,Hardwood Forests
1455980010	400707	Res,Hardwood Forests
1455980050	407661	Res,Hardwood Forests
1455980060	82500	Hardwood Forests
1455980100	826239	Res,Hardwood Forests
1455980130	329741	Res,Hardwood Forests
1456000000	1494146	Res,Recreational,Upland Non-Forests,Hardwood Forests
1456000030	1031034	Recreational,Upland Non-Forests,Hardwood Forests
1456000070	587630	Res,Hardwood Forests
1456000080	186850	Hardwood Forests
1456000130	416001	Res,Hardwood Forests
1456000140	17200	Hardwood Forests
1456000170	428926	Hardwood Forests
1456100010	22500	Recreational,Upland Non-Forests,Hardwood Forests
1456100050	56000	Hardwood Forests
1456100080	66800	Res,Hardwood Forests
1456200010	38000	Hardwood Forests
1456230000	36000	Hardwood Forests

STRAP	JUST VALUE	LANDUSE
1456430010	54400	Commercial and Services,Hardwood Forests
1456450000	62800	Commercial and Services,Hardwood Forests
1456500000	509454	Res,Recreational,Upland Non-Forests
1456500020	375873	Res,Recreational,Upland Non-Forests
1456500040	589440	Res,Recreational,Upland Non-Forests
1456500070	11400	Hardwood Forests
1456500080	19400	Res,Commercial and Services,Hardwood Forests
1456500090	3800	Res,Hardwood Forests
1456600000	563155	Res,Recreational,Upland Non-Forests
1456600030	459748	Res,Recreational,Upland Non-Forests
1456700000	329897	Res,Commercial and Services,Recreational,Upland Non-Forests
1456700100	9800	Res,Commercial and Services
1457200010	3925981	Res,Commercial and Services,Hardwood Forests,Hardwood Forests
1457200020	131205	Commercial and Services,Hardwood Forests
1457230000	54886	Commercial and Services
1457230010	1119543	Commercial and Services,Recreational,Upland Non-Forests
1457700020	456816	Res
1457820000	481386	Res,Hardwood Forests
1457830000	385608	Res,Hardwood Forests
1457830050	515337	Res
1457830060	452488	Res
1457830090	500501	Res
1457830100	165000	Res
1457830130	454346	Res
1457830140	444579	Res
1457850000	206250	Res,Hardwood Forests
1457850010	115500	Res,Hardwood Forests
1457850060	650230	Res,Hardwood Forests
1457850090	456485	Hardwood Forests
1457850100	541830	Res,Hardwood Forests
1457850130	165000	Hardwood Forests
1457850140	165000	Res,Hardwood Forests
1457900000	2000	Res,Recreational,Upland Non-Forests
1457900030	644608	Res,Recreational,Upland Non-Forests
1457900050	330000	Hardwood Forests
1457900051	210546	Res
1458100000	455724	Res,Recreational,Upland Non-Forests
1458100030	543047	Res,Recreational,Upland Non-Forests
1458100090	185000	Hardwood Forests
1458100120	185000	Hardwood Forests
1458140010	206250	Res,Hardwood Forests
1458140020	165000	Res,Hardwood Forests
1458140050	446060	Res
1458140060	380532	Res
1458140090	515212	Res
1458140100	165000	Res
1458140130	453406	Res
1458140140	518030	Res
1458200000	92750	Res
1458200020	314047	Res
1458200030	371774	Res
1458200040	90750	Res
1458200060	371372	Res
1458200070	282742	Res
1458300000	531576	Res
1458300090	123750	Res
1458300110	368271	Res
1458300150	255669	Res
1458300160	90750	Res
1458360000	463055	Res

STRAP	JUST VALUE	LANDUSE
1458360020	432179	Res
1459050010	165000	Res
1459050020	390963	Res
1459070010	280980	Res
1459070020	331699	Res
1459070050	399619	Res
1459070060	165000	Res
1459070090	301508	Res
1459070100	165000	Res
1459070130	275878	Res
1459070140	412116	Res
1459100000	630762	Res
1459100020	185555	Res
1459100030	484500	Res
1459100040	528103	Res
1459100080	296614	Res
1459100090	273132	Res
1459100110	258730	Res
1459100120	412806	Res
1459300000	288263	Res
1459400000	283224	Res
1459500000	518279	Res,Recreational
1459550000	665769	Res,Recreational
1459600010	465449	Res,Recreational
1459600011	100	Res,Recreational
1459600030	137500	Res,Recreational
1459600070	800	Res
1459610010	185000	Res
1459610020	312927	Res
1459610050	165000	Res
1459610060	502968	Res
1459610090	359664	Res
1459610100	165000	Res
1459610130	326955	Res
1459610140	277811	Res
1459620000	422163	Res
1459620020	328638	Res
1459620050	165000	Res
1459620060	449112	Res
1459620090	290359	Res
1459620100	326874	Res
1459620130	165000	Res
1459620140	439151	Res
1459630010	363781	Res
1459630020	386282	Res
1459630060	332945	Res
1459730000	563729	Res
1459730020	315179	Res
1459730050	462483	Res
1459730060	436896	Res
1459750010	325820	Res
1459750013	434312	Res
1459750020	165000	Res
1459750050	429615	Res
1459750060	305655	Res
1459750090	335425	Res
1459750100	406126	Res
1459750130	165000	Res
1459800000	365353	Res
1459800010	269078	Res

STRAP	JUST VALUE	LANDUSE
1459800040	439722	Res
1459800050	572445	Res
1459800070	90750	Res
1459800080	287988	Res
1459800090	254193	Res
1459800100	287988	Res
1459800110	291175	Res
1459800120	248104	Res
1459800140	171417	Res
1459800150	348877	Res
1459900160	90750	Res
1460000000	199368	Res,Recreational
1460000010	284411	Res,Recreational
1460000020	199368	Res,Recreational
1460000030	539429	Res,Recreational
1460000200	343673	Res,Recreational
1460000202	353263	Res,Recreational
1460000203	339742	Res,Recreational
1460000991	0	Res,Recreational
1460001000	0	Res
1460001004	352000	Res
1460001005	335000	Res
1460001006	352000	Res
1460010000	209374	Res
1460010010	185000	Res
1460010020	320857	Res
1460010040	185000	Res
1460010070	341474	Res
1460010090	312484	Res
1460010100	380930	Res
1460010130	383895	Res
1460010140	165000	Res
1460020000	282373	Res
1460020010	709576	Res
1460020020	326790	Res
1460020070	393560	Res
1460020100	401417	Res
1460020110	411278	Res
1460020140	352228	Res
1460021000	524344	Res
1460021050	263122	Res
1460021060	303712	Res
1460050000	288353	Res
1460050020	348816	Res
1460050050	404649	Res
1460050060	264602	Res
1460060000	300606	Res
1460060020	319372	Res
1460060030	123750	Res
1460060040	123750	Res
1460060070	332728	Res
1460060080	305192	Res
1460060110	430241	Res
1460060130	512754	Res
1460070000	493771	Res
1460070040	516350	Res
1460070050	235875	Res
1460070080	300578	Res
1460070090	307063	Res
1460070100	684338	Res,Recreational

STRAP	JUST VALUE	LANDUSE
1460070101	251915	Res
1460070120	283106	Res
1460070130	376495	Res
1460070200	137500	Res,Recreational
1460080000	430053	Res,Recreational
1460080005	525420	Res,Recreational
1460080830	413151	Res
1460080840	408399	Res
1460080850	0	Res,Recreational
1460090000	280469	Res
1460090030	366608	Res
1460090040	292744	Res
1460090070	317474	Res
1460090080	311644	Res
1460090090	407265	Res
1460090100	264835	Res
1460090110	388764	Res
1460090120	294570	Res
1460090140	268534	Res
1460091000	387828	Res
1460091020	165000	Res
1460091050	165000	Res
1460091060	256750	Res
1460091090	271847	Res
1460091100	275444	Res
1460091130	325800	Res
1460091140	342247	Res
1460100010	188213	Res
1460100020	429455	Res
1460100030	0	Res
1460100050	310104	Res
1460200000	274087	Res
1460200060	324903	Res
1460200090	340590	Res
1460200100	376333	Res
1461000010	251950	Res
1461000020	411651	Res
1461000050	411549	Res
1461000060	383862	Res
1461000100	358302	Res
1461100000	448087	Res
1461150010	398020	Res
1461150020	377758	Res
1461150050	165000	Res
1461150060	467358	Res
1461150090	238937	Res
1461150100	386418	Res
1461150130	325613	Res
1461150140	441562	Res
1461200000	520403	Res,Recreational
1461300000	552987	Res,Recreational
1461400110	953280	Res
1461400130	220193	Res
1461400140	184041	Res
1461400150	239394	Res
1461400160	214178	Res
1461500170	182082	Res
1461500200	462653	Res
1461520010	843585	Res,Recreational
1461520030	546168	Res,Recreational

STRAP	JUST VALUE	LANDUSE
1461520090	370966	Res
1461520100	908598	Res
1461520150	324536	Res
1461520160	530454	Res
1461520190	405496	Res
1461520200	356168	Res
1461530010	99000	Res
1461530020	325998	Res
1461530050	311948	Res
1461530060	436749	Res
1461530070	426366	Res
1461530071	420078	Res
1461530100	397802	Res
1461530110	214500	Res
1461530140	425114	Res
1461540010	493767	Res
1461540020	361562	Res
1461540060	366479	Res
1461540070	90750	Res
1461540090	233237	Res
1461570000	430845	Res
1461570020	398559	Res
1461570050	413562	Res
1461570060	165000	Res
1461570090	397937	Res
1461570100	546629	Res
1461570130	512012	Res
1461580010	533209	Res
1461580020	219450	Res
1461580050	746322	Res
1461580060	219450	Res
1461580110	465975	Res
1461580120	534766	Res
1461590000	165000	Res
1461590010	777729	Res,Recreational
1461590030	708776	Res,Recreational
1461590110	1000084	Res
1461590190	165000	Res
1461600010	484775	Res,Recreational
1461600011	605545	Res,Recreational
1461600110	762235	Res
1461600120	539770	Res
1461600160	442476	Res
1461600170	165000	Res
1461610000	422909	Res
1461610020	443142	Res
1461610030	173250	Res
1461610040	383810	Res
1461610050	0	Res
1461610090	456002	Res
1461610100	378834	Res
1461610110	140250	Res
1461610120	469480	Res
1461610150	90750	Res
1461620000	359475	Res
1461620010	396601	Res
1461620020	419787	Res
1461620050	381473	Res
1461620060	353567	Res
1461620090	464557	Res

STRAP	JUST VALUE	LANDUSE
1461620120	400612	Res
1461620140	338701	Res
1461970000	544989	Res
1461970020	309029	Res
1461970060	399897	Res
1461970070	221100	Res
1461970100	343469	Res
1461970130	407105	Res
1461970140	336986	Res
1461980000	409854	Res
1461980020	502997	Res
1461980050	390789	Res
1461980060	439705	Res
1461980090	385265	Res
1461980100	313932	Res
1461980130	501816	Res
1461980140	323445	Res
1462000000	137500	Res,Recreational
1462000005	540702	Res,Recreational
1462000010	474610	Res
1462000020	603291	Res
1462000030	165000	Res
1462100010	138504	Res,Recreational
1462100030	137500	Res,Recreational
1462100110	904036	Res
1462100120	1227755	Res,Transportation/Communication/and Utilities
1462100150	594738	Res,Transportation/Communication/and Utilities Transportation/Communication/and
1462110000	400000	Utilities,Transportation/Communication/and Utilities
1462120000	268764	Res,Transportation/Communication/and Utilities
1462120130	386937	Res,Transportation/Communication/and Utilities
1462160000	46653	Res,Wetlands/NF,Transportation/Communication/and Utilities
1462170000	737307	Recreational
1462180010	944417	Res,Recreational,Upland Non-Forests
1462180120	250000	Recreational
1462180121	150000	Recreational,Upland Non-Forests
1462190000	350000	Recreational
1462190010	350000	Recreational,Upland Non-Forests
1462200010	250000	Recreational
1480700000	1070011	Res
1480800000	524835	Res,Recreational,Upland Non-Forests
1480800020	412213	Res,Recreational,Recreational,Upland Non-Forests,Wet/H,Wetlands/NF
1488600000	443878	Res,Recreational
1488700000	560464	Res,Recreational
1488800000	645555	Res,Recreational
1488900000	7500	Res,Recreational
1488910000	199572	Res,Recreational
1488920000	530963	Res,Recreational
1489000000	662604	Res,Recreational
1489200000	493649	Res,Recreational
1489300000	381535	Res,Recreational,Upland Non-Forests
1489400000	300000	Recreational,Upland Non-Forests
1489500000	225000	Recreational,Upland Non-Forests
1489540000	225000	Recreational,Upland Non-Forests
1489600000	270000	Recreational,Upland Non-Forests
1489600010	180000	Recreational,Upland Non-Forests
1489800000	5400	Wetlands/NF
1489800020	1150	Wetlands/NF
1489900000	388708	Hardwood Forests,Res,Wetlands/NF

STRAP	JUST VALUE	LANDUSE
		Res,Res,Hardwood
		Forests,Res,Wet/H,Wetlands/NF,Wetlands/NF,Wetlands/NF,Wetlands/
1489900030	968685	Non-Vegetated
1490000000	542917	Res,Wetlands/NF
1490000010	160500	Res
1490100000	319722	Res
1490200000	596429	Res,Recreational,Wetlands/NF
1490300000	149592	Recreational,Wet/H,Wetlands/NF
1490400000	100000	Recreational,Wet/H,Wetlands/NF
1490900000	464558	Res,Recreational,Hardwood Forests
1491710001	0	Res,Wetlands/NF
1491710002	0	Res
1491710003	0	Res
1491710010	54000	Res
1491710020	54000	Res
1491710030	165253	Res
1491710040	90000	Res,Wetlands/NF
1491710060	138878	Res,Wet/H,Wetlands/NF,Wetlands/NF

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (feet)	DBPR License	URL for DBPR License
3rd St.	R-107.1	Secondary	60	4*	211.2	271.2		
5th St.	R107.7	Secondary	68	4*	211.2	211.2		
Usina North Ramp	R-108.6 to R-108.7	Secondary	100	50	2,640.0	2,740.0		
Included in Usina North Ramp: Usina North- North Beach Camp Resort	R-109	Secondary	537	164/164		537.0	<u>FDOH Operating Permit 55-54-00057</u>	http://www.floridahealth.gov/statistics-and-data/eh-tracking-and-reporting/mobile-home-rv-parks.html?appSession=9AM450885GX7PJJ5APKF23-99TYJ513Z4C72PVC611CX3TV99H6VV5IP622RN3CLB5UCN8FKH5O515ION1N25K19HP9P10R30ZJVO7-5CG221M6TBNSRX1I394M2325047
Included in Usina North Ramp: Usina North- Reef parking	R-108.8	Secondary	100	7	369.6	469.6		
Included in Usina North Ramp: Usina North- Euclid ROW	R-108.9	Secondary	65	3	158.4	65.0		
Included in Usina North Ramp: Usina North- The Reef restaurant	R-109	Secondary	200	0		200.0	<u>SEA6500849</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=F9778CD0969284B59E88FC719CA36CEF
Included in Usina North Ramp: Usina North - New public parking at Reef overflow	R-109	Secondary	200	40	2,112.0	2,312.0		
14th St.	R-110.1	Secondary	60.5	0	-	60.5		
Boating Club Rd	R111.1	Secondary	60	0	-	Overlap		

Lot itself in overlap region

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (feet)	DBPR License	URL for DBPR License
North Beach Park	R-112.8 to R-113.8	Primary	1009	100	5,280.0	6,289		
Ocean Sands Beach Hwy.	R-115	Secondary	166	29/29	-	Overlap	<u>MOT6501218</u>	https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=D3155D89EA6833BF01712431756DC31C
3410 Coastal Hwy TITF	R115.5	Secondary	103	0	-	Overlap		Eligible for 100% state cost share
3380 Coastal Hwy TITF	R115.7	Secondary	106	0	-	Overlap		Eligible for 100% state cost share
Mussallem Park	R115.8 to R116.1	Secondary	379	23	1,056.0	1,056.00		
						Total Eligible Shoreline Length	10,836.9	

* Bicycle parking

Res 2019-77

PROJECT PARTNERSHIP AGREEMENT
BETWEEN
THE DEPARTMENT OF THE ARMY
AND
ST. JOHNS COUNTY, FLORIDA
FOR
THE ST. JOHNS COUNTY, FLORIDA
COASTAL STORM RISK MANAGEMENT PROJECT (SOUTH PONTE VEDRA BEACH
AND VILANO BEACH REACHES)

THIS AGREEMENT is entered into this 23rd day of April, 2019, by and between the Department of the Army (hereinafter the "Government"), represented by the District Commander for Jacksonville District and the St. Johns County, Florida (hereinafter the "Non-Federal Sponsor"), represented by the Chair of its Board of County Commissioners.

WITNESSETH, THAT:

WHEREAS, construction of the St. Johns County Coastal Storm Risk Management Project (South Ponte Vedra Beach and Vilano Beach Reaches) at St. Johns County, Florida (hereinafter the "Project", as defined in Article I.A. of this Agreement) was authorized by Section 1401(3) of the Water Resources Development Act of 2018, Public Law 115-270;

WHEREAS, Section 103 of the Water Resources Development Act of 1986, Public Law 99-662, as amended (33 U.S.C. 2213), specifies the cost-sharing requirements applicable to the Project;

WHEREAS, to the extent that appropriations provided under the Construction heading, Title IV, Division B of the Bipartisan Budget Act of 2018, Public Law 115-123 enacted February 9, 2018 (hereinafter "BBA 2018"), are available and used to undertake construction of the Project, the Government is authorized to finance the non-Federal cash contributions required for initial construction of the Project, currently estimated at \$2,260,954, in accordance with the provisions of Section 103(k) of the Water Resources Development Act of 1986 (33 U.S.C. 2213(k)), with the interest rate for deferred payments determined in accordance with Section 106 of the Water Resources Development Act of 1986 (33 U.S.C. 2216);

WHEREAS, the provisions of Section 902 of the Water Resources Development Act of 1986, as amended, do not apply to the funds provided in BBA 2018 that will be used for initial construction of the Project;

WHEREAS, 33 U.S.C. 701h authorizes the Government to undertake, at the Non-Federal Sponsor's full expense, additional work while the Government is carrying out the Project; and

WHEREAS, the Government and the Non-Federal Sponsor have the full authority and capability to perform in accordance with the terms of this Agreement and acknowledge that

Section 221 of the Flood Control Act of 1970, as amended (42 U.S.C.1962d-5b), provides that this Agreement shall be enforceable in the appropriate district court of the United States.

NOW, THEREFORE, the parties agree as follows:

ARTICLE I - DEFINITIONS

A. The term "Project" means the beach and dune nourishment within the Vilano Beach and a small portion of the South Ponte Vedra Beach Reaches including construction of a 60-foot equilibrated berm extension from +8.0 foot 1988 North Atlantic Vertical Datum contour between the Florida Department of Environmental Protection monuments R103.5 and R116.5 along 2.6 miles of shoreline and a dune feature that reflects the average 2015 dune position with tapers of the maximum length of one thousand feet from the northern and southern ends of the berm extension, connecting the extension to the existing shoreline resulting in sand placement from R102.5 to R117.5 along 3 miles of shoreline, as generally described in the St. Johns County, Florida South Ponte Vedra Beach, Vilano Beach, and Summer Haven Reaches Coastal Storm Risk Management Project Final Integrated Feasibility Study and Environmental Assessment, dated March 2017 and approved by the Chief of Engineers on August 8, 2017 (hereinafter the "Decision Document").

B. The term "periodic nourishment" means the placement of suitable beach berm material after initial construction of the Project, at appropriate intervals during the 50-year period of Federal participation that begins on the date of initiation of construction of the Project, as generally described in the Decision Document.

C. The term "construction costs" means all costs incurred by the Government and Non-Federal Sponsor in accordance with the terms of this Agreement that are directly related to design and construction of the Project and cost shared. The term includes, but is not necessarily limited to: the Government's costs of engineering, design, and construction; the Government's supervision and administration costs; the Government's costs of monitoring; the Non-Federal Sponsor's creditable costs for providing real property interests, placement area improvements, and relocations and for providing in-kind contributions, if any; and the costs of historic preservation activities except for data recovery for historic properties. The term does not include any costs for operation, maintenance, repair, rehabilitation, or replacement; dispute resolution; participation by the Government and the Non-Federal Sponsor in the Project Coordination Team to discuss significant issues and actions; audits; betterments; or additional work; or the Non-Federal Sponsor's cost of negotiating this Agreement.

D. The term "real property interests" means lands, easements, and rights-of-way, including those required for relocations and borrow and dredged material placement areas. Acquisition of real property interests may require the performance of relocations.

E. The term "relocation" means the provision of a functionally equivalent facility to the owner of a utility, cemetery, highway, railroad, or public facility when such action is required in accordance with applicable legal principles of just compensation. Providing a functionally

equivalent facility may include the alteration, lowering, raising, or replacement and attendant demolition of the affected facility or part thereof.

F. The term "placement area improvements" means the improvements required on real property interests to enable the ancillary placement of material that has been dredged or excavated during construction, operation, and maintenance of the Project, including, but not limited to, retaining dikes, wasteweirs, bulkheads, embankments, monitoring features, stilling basins, and de-watering pumps and pipes.

G. The term "functional portion thereof" means a portion of the Project that has been completed and that can function independently, as determined in writing by the District Commander for Jacksonville District (hereinafter the "District Commander"), although the remainder of the Project is not yet complete.

H. The term "in-kind contributions" means those materials or services provided by the Non-Federal Sponsor that are identified as being integral to the Project by the Division Commander for South Atlantic Division (hereinafter the "Division Commander"). To be integral to the Project, the material or service must be part of the work that the Government would otherwise have undertaken for design and construction of the Project. The in-kind contributions also include any investigations performed by the Non-Federal Sponsor to identify the existence and extent of any hazardous substances that may exist in, on, or under real property interests required for the Project.

I. The term "betterment" means a difference in construction of an element of the Project that results from the application of standards that the Government determines exceed those that the Government would otherwise apply to construction of that element.

J. The term "fiscal year" means one year beginning on October 1st and ending on September 30th of the following year.

K. The term "additional work" means items of work related to, but not cost shared as a part of, the Project that the Government will undertake on the Non-Federal Sponsor's behalf while the Government is carrying out the Project, with the Non-Federal Sponsor responsible for all costs and any liabilities associated with such work.

L. The term "Maximum Cost Limit" means the statutory limitation on the total cost of periodic nourishment for the Project, as determined by the Government in accordance with Section 902 of the Water Resources Development Act of 1986, as amended, and Government regulations issued thereto.

ARTICLE II - OBLIGATIONS OF THE PARTIES

A. In accordance with Federal laws, regulations, and policies, the Government shall design and construct the Project, with initial construction undertaken using BBA 2018 funds to

the extent they are available for that purpose and with periodic renourishment subject to receiving funds appropriated by the Congress and funds provided by the Non-Federal Sponsor.

B. The Non-Federal Sponsor shall contribute 35 percent of construction costs for initial construction of the Project, and 50 percent of construction costs for periodic nourishment, allocated by the Government to coastal storm risk management; 100 percent of construction costs allocated by the Government to beach improvements with exclusively private benefits, and 100 percent of construction costs allocated by the Government to improvements and other work located within the Coastal Barrier Resources System that the Government has determined are ineligible for Federal financial participation, as follows:

1. In accordance with Article III, the Non-Federal Sponsor shall provide the real property interests, placement area improvements, and relocations required for construction, operation, and maintenance of the Project. If the Government determines that the Non-Federal Sponsor's estimated credits for real property interests, placement area improvements, and relocations will exceed 35 percent of construction costs for initial construction or 50 percent of construction costs for periodic nourishment allocated to coastal storm risk management, the Government, in its sole discretion, may acquire any of the remaining real property interests, construct any of the remaining placement area improvements, or perform any of the remaining relocations with the cost of such work included as a part of the Government's cost of construction. Nothing in this provision affects the Non-Federal Sponsor's responsibility under Article IV for the costs of any cleanup and response related thereto.

2. In providing in-kind contributions, if any, the Non-Federal Sponsor shall obtain all applicable licenses and permits necessary for such work. As functional portions of the work are completed, the Non-Federal Sponsor shall begin operation and maintenance of such work. Upon completion of the work, the Non-Federal Sponsor shall so notify the Government within 30 calendar days and provide the Government with a copy of as-built drawings for the work.

3. For initial construction of the Project, after considering the estimated amount of credit that will be afforded to the Non-Federal Sponsor pursuant to paragraphs B.1. and B.2., above, the Government shall determine the cash contributions that otherwise would have been required from the Non-Federal Sponsor to meet its cost share for construction costs allocated to coastal storm risk management. To the extent BBA 2018 funds are available for initial construction of the Project, the Government, in accordance with the provisions of Article VI.B., may defer payment of the cash contributions that the Non-Federal Sponsor would have otherwise been required to provide during initial construction of the Project in order to meet its cost share. However, for construction costs allocated to beach improvements with exclusively private benefits and improvements and other work located within the Coastal Barrier Resources System that the Government has determined are ineligible for Federal financial participation, the Non-Federal Sponsor, in accordance with Article VI.D., must provide funds sufficient to cover the costs of such work in advance of the Government performing the work.

4. For each cycle of periodic nourishment, after considering the estimated amount of credit that will be afforded to the Non-Federal Sponsor pursuant to paragraphs B.1. and B.2.,

above, the Government shall determine the estimated amount of funds required from the Non-Federal Sponsor for the then-current fiscal year.

a. No later than 120 calendar days after receipt of notification from the Government, the Non-Federal Sponsor shall provide the full amount of such funds to the Government in accordance with Article VI.C. For construction costs allocated to beach improvements with exclusively private benefits and improvements and other work located within the Coastal Barrier Resources System that the Government has determined are ineligible for Federal financial participation, the Non-Federal Sponsor, in accordance with Article VI.D., must provide funds sufficient to cover the costs of such work in advance of the Government performing the work.

b. No later than July 1st prior to each subsequent fiscal year during a cycle of periodic nourishment, the Government shall provide the Non-Federal Sponsor with a written estimate of the amount of funds required from the Non-Federal Sponsor during that fiscal year to meet its cost share. Not later than October 1st or, if October 1st falls on a Saturday or Sunday, the next business day thereafter, prior to that fiscal year, the Non-Federal Sponsor shall provide the full amount of such required funds to the Government in accordance with Article VI.C.

C. To the extent practicable and in accordance with Federal law, regulations, and policies, the Government shall afford the Non-Federal Sponsor the opportunity to review and comment on solicitations for contracts, including relevant plans and specifications, prior to the Government's issuance of such solicitations; proposed contract modifications, including change orders; and contract claims prior to resolution thereof. Ultimately, the contents of solicitations, award of contracts, execution of contract modifications, and resolution of contract claims shall be exclusively within the control of the Government.

D. The Government, as it determines necessary, shall undertake actions associated with historic preservation, including, but not limited to, the identification and treatment of historic properties as those properties are defined in the National Historic Preservation Act (NHPA) of 1966, as amended. All costs incurred by the Government for such work (including the mitigation of adverse effects other than data recovery) shall be included in construction costs and shared in accordance with the provisions of this Agreement. If historic properties are discovered during construction and the effect(s) of construction are determined to be adverse, strategies shall be developed to avoid, minimize or mitigate these adverse effects. In accordance with 54 U.S.C. 312507, up to 1 percent of the total amount authorized to be appropriated for the Project may be applied toward data recovery of historic properties and such costs shall be borne entirely by the Government. In the event that costs associated with data recovery of historic properties exceed 1 percent of the total amount authorized to be appropriated for the Project, in accordance with 54 U.S.C. 312508, the Government will seek a waiver from the 1 percent limitation under 54 U.S.C. 312507 and upon receiving the waiver, will proceed with data recovery at full federal expense. Nothing in this Agreement shall limit or otherwise prevent the Non-Federal Sponsor from voluntarily contributing costs associated with data recovery that exceed 1 percent.

E. When the District Commander determines that initial construction of the Project, or a functional portion thereof, is complete, within 30 calendar days of such determination, the

District Commander shall so notify the Non-Federal Sponsor in writing and the Non-Federal Sponsor, at no cost to the Government, shall operate, maintain, repair, rehabilitate, and replace the Project, or such functional portion thereof. The Government shall furnish the Non-Federal Sponsor with an Operation, Maintenance, Repair, Rehabilitation, and Replacement Manual (hereinafter the "OMRR&R Manual") and copies of all as-built drawings for the completed work. The Government's undertaking of a cycle of periodic nourishment has no effect on the Non-Federal Sponsor's continuing responsibility for operation, maintenance, repair, rehabilitation, and replacement of the Project. If a cycle of periodic nourishment changes those responsibilities, the Non-Federal Sponsor, at no cost to the Government, shall commence any additional responsibilities upon notification from the Government.

1. The Non-Federal Sponsor shall conduct its operation, maintenance, repair, rehabilitation, and replacement responsibilities in a manner compatible with the authorized purpose of the Project and in accordance with applicable Federal laws and specific directions prescribed by the Government in the OMRR&R Manual. The Government and the Non-Federal Sponsor shall consult on any subsequent updates or amendments to the OMRR&R Manual.

2. The Government may enter, at reasonable times and in a reasonable manner, upon real property interests that the Non-Federal Sponsor now or hereafter owns or controls to inspect the Project, and, if necessary, to undertake any work necessary to the functioning of the Project for its authorized purpose. If the Government determines that the Non-Federal Sponsor is failing to perform its obligations under this Agreement and the Non-Federal Sponsor does not correct such failures within a reasonable time after notification by the Government, the Government, at its sole discretion, may undertake any operation, maintenance, repair, rehabilitation, or replacement of the Project. No operation, maintenance, repair, rehabilitation, or replacement by the Government shall relieve the Non-Federal Sponsor of its obligations under this Agreement or preclude the Government from pursuing any other remedy at law or equity to ensure faithful performance of this Agreement.

F. At least annually and after storm events, the Non-Federal Sponsor, at no cost to the Government, shall perform surveillance of the Project to determine losses of material and provide results of such surveillance to the Government.

G. Not less than once each year, the Non-Federal Sponsor shall inform affected interests of the extent of risk reduction afforded by the Project.

H. The Non-Federal Sponsor shall participate in and comply with applicable Federal floodplain management and flood insurance programs.

I. In accordance with Section 402 of the Water Resources Development Act of 1986, as amended (33 U.S.C. 701b-12), the Non-Federal Sponsor shall prepare a floodplain management plan for the Project within one year after the effective date of this Agreement and shall implement such plan not later than one year after completion of initial construction of the Project. The plan shall be designed to reduce the impacts of future coastal events in the project area, including but not limited to, addressing those measures to be undertaken by non-Federal

interests to preserve the level of coastal storm risk reduction provided by such work. The Non-Federal Sponsor shall provide an information copy of the plan to the Government.

J. The Non-Federal Sponsor shall publicize floodplain information in the area concerned and shall provide this information to zoning and other regulatory agencies for their use in adopting regulations, or taking other actions, to prevent unwise future development and to ensure compatibility with the Project.

K. The Non-Federal Sponsor shall prevent obstructions or encroachments on the Project (including prescribing and enforcing regulations to prevent such obstructions or encroachments) that might reduce the level of coastal storm risk reduction the Project affords, hinder operation and maintenance of the Project, or interfere with the Project's proper function.

L. For shores, other than Federal shores, protected pursuant to this Agreement using Federal funds, the Non-Federal Sponsor shall ensure the continued public use of such shores compatible with the authorized purpose of the Project.

M. The Non-Federal Sponsor shall provide and maintain necessary access roads, parking areas, and other associated public use facilities, open and available to all on equal terms, as described in the Decision Document.

N. The Non-Federal Sponsor shall not use Federal program funds to meet any of its obligations under this Agreement unless the Federal agency providing the funds verifies in writing that the funds are authorized to be used for the Project. Federal program funds are those funds provided by a Federal agency, plus any non-Federal contribution required as a matching share therefor.

O. In carrying out its obligations under this Agreement, the Non-Federal Sponsor shall comply with all the requirements of applicable Federal laws and implementing regulations, including, but not limited to: Section 601 of the Civil Rights Act of 1964 (P.L. 88-352), as amended (42 U.S.C. 2000d), and Department of Defense Directive 5500.11 issued pursuant thereto; the Age Discrimination Act of 1975 (42 U.S.C. 6102); and the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Army Regulation 600-7 issued pursuant thereto.

P. In addition to the ongoing, regular discussions of the parties in the delivery of the Project, the Government and the Non-Federal Sponsor may establish a Project Coordination Team to discuss significant issues or actions. The Government's costs for participation on the Project Coordination Team shall not be included in construction costs that are cost shared but shall be included in calculating the Maximum Cost Limit. The Non-Federal Sponsor's costs for participation on the Project Coordination Team shall not be included in construction costs that are cost shared and shall be paid solely by the Non-Federal Sponsor without reimbursement or credit by the Government.

Q. The Non-Federal Sponsor may request in writing that the Government perform betterments or additional work on behalf of the Non-Federal Sponsor. Each request shall be subject to review and written approval by the Division Commander. If the Government agrees to

such request, the Non-Federal Sponsor, in accordance with Article VI.D., must provide funds sufficient to cover the costs of such work in advance of the Government performing the work.

R. Notwithstanding any other provision in this Agreement, in the event that there are insufficient BBA 2018 funds available to complete initial construction of the Project, such completion shall be subject to receiving Federal funds appropriated by the Congress. To the extent that Federal funds other than BBA 2018 funds are used, financing is not available for any required cash contribution, and the Non-Federal Sponsor must provide such amounts in accordance with the following:

1. The Government shall determine the amount of funds required from the Non-Federal Sponsor to meet its cost share for the then-current fiscal year. No later than 90 calendar days after receipt of notification from the Government, the Non-Federal Sponsor shall provide the full amount of such required funds to the Government in accordance with Article VI.B.1.c.

2. No later than August 1st prior to each subsequent fiscal year, the Government shall provide the Non-Federal Sponsor with a written estimate of the full amount of funds required from the Non-Federal Sponsor during that fiscal year to meet its cost share. Not later than September 1st prior to that fiscal year, the Non-Federal Sponsor shall provide the full amount of such required funds to the Government in accordance with Article VI.B.1.c.

ARTICLE III - REAL PROPERTY INTERESTS, PLACEMENT AREA IMPROVEMENTS, RELOCATIONS, AND COMPLIANCE WITH PUBLIC LAW-91-646, AS AMENDED

A. The Government, after consultation with the Non-Federal Sponsor, shall determine the real property interests needed for construction, operation, and maintenance of the Project. The Government shall provide the Non-Federal Sponsor with general written descriptions, including maps as appropriate, of the real property interests that the Government determines the Non-Federal Sponsor must provide for construction, operation, and maintenance of the Project, and shall provide the Non-Federal Sponsor with a written notice to proceed with acquisition. The Non-Federal Sponsor shall acquire the real property interests and shall provide the Government with authorization for entry thereto in accordance with the Government's schedule for construction of the Project. The Non-Federal Sponsor shall ensure that real property interests provided for the Project are retained in public ownership for uses compatible with the authorized purposes of the Project.

B. The Government, after consultation with the Non-Federal Sponsor, shall determine the placement area improvements necessary for construction, operation, and maintenance of the Project, and shall provide the Non-Federal Sponsor with general written descriptions, including maps as appropriate, of such improvements and shall provide the Non-Federal Sponsor with a written notice to proceed with such improvements. The Non-Federal Sponsor shall construct the improvements in accordance with the Government's construction schedule for the Project.

C. The Government, after consultation with the Non-Federal Sponsor, shall determine the relocations necessary for construction, operation, and maintenance of the Project, and shall

provide the Non-Federal Sponsor with general written descriptions, including maps as appropriate, of such relocations and shall provide the Non-Federal Sponsor with a written notice to proceed with such relocations. The Non-Federal Sponsor shall perform or ensure the performance of these relocations in accordance with the Government's construction schedule for the Project.

D. To the maximum extent practicable, not later than 30 calendar days after the Government provides to the Non-Federal Sponsor written descriptions and maps of the real property interests, placement area improvements, and relocations required for construction, operation, and maintenance of the Project, the Non-Federal Sponsor may request in writing that the Government acquire all or specified portions of such real property interests, construct placement area improvements, or perform the necessary relocations. If the Government agrees to such a request, the Non-Federal Sponsor, in accordance with Article VI.D., must provide funds sufficient to cover the costs of the acquisitions, placement area improvements, or relocations in advance of the Government performing the work. The Government shall acquire the real property interests, construct the placement area improvements, and perform the relocations, applying Federal laws, policies, and procedures. The Government shall acquire real property interests in the name of the Non-Federal Sponsor except, if acquired by eminent domain, the Government shall convey all of its right, title and interest to the Non-Federal Sponsor by quitclaim deed or deeds. The Non-Federal Sponsor shall accept delivery of such deed or deeds. The Government's providing real property interests, placement area improvements, or performing relocations on behalf of the Non-Federal Sponsor does not alter the Non-Federal Sponsor's responsibility under Article IV for the costs of any cleanup and response related thereto.

E. As required by Sections 210 and 305 of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, Public Law 91-646, as amended (42 U.S.C. 4630 and 4655), and Section 24.4 of the Uniform Regulations contained in 49 C.F.R. Part 24, the Non-Federal Sponsor assures that (1) fair and reasonable relocation payments and assistance shall be provided to or for displaced persons, as are required to be provided by a Federal agency under Sections 4622, 4623 and 4624 of Title 42 of the U.S. Code; (2) relocation assistance programs offering the services described in Section 4625 of Title 42 of the U.S. Code shall be provided to such displaced persons; (3) within a reasonable period of time prior to displacement, comparable replacement dwellings will be available to displaced persons in accordance with Section 4625(c)(3) of Title 42 of the U.S. Code; (4) in acquiring real property, the Non-Federal Sponsor will be guided, to the greatest extent practicable under State law, by the land acquisition policies in Section 4651 and the provision of Section 4652 of Title 42 of the U.S. Code; and (5) property owners will be paid or reimbursed for necessary expenses as specified in Sections 4653 and 4654 of Title 42 of the U.S. Code.

ARTICLE IV - HAZARDOUS SUBSTANCES

A. The Non-Federal Sponsor shall be responsible for undertaking any investigations to identify the existence and extent of any hazardous substances regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (hereinafter

"CERCLA") (42 U.S.C. 9601-9675), that may exist in, on, or under real property interests required for construction, operation, and maintenance of the Project. However, for real property interests that the Government determines to be subject to the navigation servitude, only the Government shall perform such investigations unless the District Commander provides the Non-Federal Sponsor with prior specific written direction, in which case the Non-Federal Sponsor shall perform such investigations in accordance with such written direction.

B. In the event it is discovered that hazardous substances regulated under CERCLA exist in, on, or under any of the required real property interests, within 15 calendar days of such discovery, the Non-Federal Sponsor and the Government, in addition to providing any other notice required by applicable law, shall provide written notice to each other, and the Non-Federal Sponsor shall not proceed with the acquisition of such real property interests until the parties agree that the Non-Federal Sponsor should proceed.

C. If hazardous substances regulated under CERCLA are found to exist in, on, or under any required real property interests, the parties shall consider any liability that might arise under CERCLA and determine whether to initiate construction, or if already initiated, whether to continue construction, suspend construction, or terminate construction.

1. Should the parties initiate or continue construction, the Non-Federal Sponsor shall be responsible, as between the Government and the Non-Federal Sponsor, for the costs of cleanup and response, including the costs of any studies and investigations necessary to determine an appropriate response to the contamination. Such costs shall be paid solely by the Non-Federal Sponsor without reimbursement or credit by the Government.

2. In the event the parties cannot reach agreement on how to proceed or the Non-Federal Sponsor fails to provide any funds necessary to pay for cleanup and response costs or to otherwise discharge the Non-Federal Sponsor's responsibilities under this Article upon direction by the Government, the Government may suspend or terminate construction, but may undertake any actions it determines necessary to avoid a release of such hazardous substances.

D. In the event of a discovery, the Non-Federal Sponsor and the Government shall initiate consultation with each other within 15 calendar days in an effort to ensure that responsible parties bear any necessary cleanup and response costs as defined in CERCLA. Any decision made pursuant to this Article shall not relieve any third party from any liability that may arise under CERCLA.

E. As between the Government and the Non-Federal Sponsor, the Non-Federal Sponsor shall be considered the operator of the Project for purposes of CERCLA liability. To the maximum extent practicable, the Non-Federal Sponsor shall operate, maintain, repair, rehabilitate, and replace the Project in a manner that will not cause liability to arise under CERCLA.

ARTICLE V - CREDIT FOR REAL PROPERTY INTERESTS, PLACEMENT AREA
IMPROVEMENTS, RELOCATIONS, AND IN-KIND CONTRIBUTIONS

A. The Government shall include in construction costs, and credit towards the Non-Federal Sponsor's share of such costs, the value of Non-Federal Sponsor provided real property interests (except interests in lands subject to shore erosion that are publicly owned on the effective date of this Agreement or, if required for in-kind contributions covered by an in-kind Memorandum of Understanding (hereinafter "In-Kind MOU"), that were publicly owned on the effective date of the In-Kind MOU), placement area improvements, and relocations, and the costs of in-kind contributions determined by the Government to be required for the Project. However, for initial construction of the Project, only costs incurred by the Non-Federal Sponsor to acquire real property interests from private owners, to construct placement area improvement, to perform relocations, and to provide in-kind contributions are eligible for credit.

B. To the maximum extent practicable, no later than 3 months after it provides the Government with authorization for entry onto a real property interest or pays compensation to the owner, whichever occurs later, the Non-Federal Sponsor shall provide the Government with documents sufficient to determine the amount of credit to be provided for the real property interest in accordance with paragraphs C.1. of this Article. To the maximum extent practicable, no less frequently than on a quarterly basis, the Non-Federal Sponsor shall provide the Government with documentation sufficient for the Government to determine the amount of credit to be provided for other creditable items in accordance with paragraph C. of this Article.

C. The Government and the Non-Federal Sponsor agree that the amount of costs eligible for credit that are allocated by the Government to construction costs shall be determined and credited in accordance with the following procedures, requirements, and conditions. Such costs shall be subject to audit in accordance with Article X.B. to determine reasonableness, allocability, and allowability of costs.

1. Real Property Interests.

a. General Procedure. For initial construction of the Project, only costs associated with real property interests acquired from private owners after the effective date of this Agreement are eligible for credit, unless such real property interests acquired from private owners were required for in-kind contributions covered by an In-Kind MOU. The Non-Federal Sponsor shall obtain, for each creditable real property interest (except interests in lands subject to shore erosion that are publicly owned on the effective date of this Agreement), an appraisal of the fair market value of such interest that is prepared by a qualified appraiser who is acceptable to the parties. Subject to valid jurisdictional exceptions, the appraisal shall conform to the Uniform Standards of Professional Appraisal Practice. The appraisal must be prepared in accordance with the applicable rules of just compensation, as specified by the Government. For crediting purposes, appraisals of interests in lands subject to shore erosion acquired from private parties after the effective date of this Agreement must consider special benefits in accordance with the Uniform Appraisal Standards for Federal Land Acquisition (2016) (hereinafter "Uniform Appraisal Standards").

(1) Date of Valuation. For any real property interests (other than interests in lands subject to shore erosion) owned by the Non-Federal Sponsor on the effective date of this Agreement and required for construction performed after the effective date of this Agreement, the date the Non-Federal Sponsor provides the Government with authorization for entry thereto shall be used to determine the fair market value. For any real property interests required for in-kind contributions covered by an In-Kind MOU (other than interests in lands subject to shore erosion that were publicly owned on the effective date of the In-Kind MOU), the date of initiation of construction shall be used to determine fair market value. The fair market value of real property interests acquired by the Non-Federal Sponsor after the effective date of this Agreement shall be the fair market value of such real property interests at the time the interests are acquired.

(2) Except for real property interests acquired through eminent domain proceedings instituted after the effective date of this Agreement, the Non-Federal Sponsor shall submit an appraisal for each real property interest to the Government for review and approval no later than, to the maximum extent practicable, 60 calendar days after the Non-Federal Sponsor provides the Government with an authorization for entry for such interest or concludes the acquisition of the interest through negotiation or eminent domain proceedings, whichever occurs later. If, after coordination and consultation with the Government, the Non-Federal Sponsor is unable to provide an appraisal that is acceptable to the Government, the Government shall obtain an appraisal to determine the fair market value of the real property interest for crediting purposes.

(3) The Government shall credit the Non-Federal Sponsor the appraised amount approved by the Government. Where the amount paid or proposed to be paid by the Non-Federal Sponsor exceeds the approved appraised amount, the Government, at the request of the Non-Federal Sponsor, shall consider all factors relevant to determining fair market value and, in its sole discretion, after consultation with the Non-Federal Sponsor, may approve in writing an amount greater than the appraised amount for crediting purposes.

b. Eminent Domain Procedure. For real property interests acquired by eminent domain proceedings instituted after the effective date of this Agreement, the Non-Federal Sponsor shall notify the Government in writing of its intent to institute such proceedings and submit the appraisals of the specific real property interests to be acquired for review and approval by the Government. If the Government provides written approval of the appraisals, the Non-Federal Sponsor shall use the amount set forth in such appraisals as the estimate of just compensation for the purpose of instituting the eminent domain proceeding.

(1) If the Government provides written disapproval of the appraisals, the Government and the Non-Federal Sponsor shall consult to promptly resolve the issues that are identified in the Government's written disapproval. In the event the issues cannot be resolved, the Non-Federal Sponsor may use the amount set forth in its appraisal as the estimate of just compensation for purpose of instituting the eminent domain proceeding. Except as provided in paragraph C.1.b.(2) below, the fair market value for crediting purposes shall be either the amount of the court award for the real property interests taken or the amount of any stipulated settlement or portion thereof that the Government approves in writing.

(2) For interests in lands subject to shore erosion, the Government will credit the amount of the court award or stipulated settlement only to the extent that the court award or stipulated settlement considered special benefits in accordance with the Uniform Appraisal Standards. If the court award or stipulated settlement did not consider special benefits, fair market value for crediting purposes shall be limited to the amount determined by an appraisal that considers special benefits.

c. Waiver of Appraisal. Except as required by paragraph C.1.b. of this Article, the Government may waive the requirement for an appraisal pursuant to this paragraph if, in accordance with 49 C.F.R. Section 24.102(c)(2):

(1) the owner is donating the real property interest to the Non-Federal Sponsor and releases the Non-Federal Sponsor in writing from its obligation to appraise the real property interest, and the Non-Federal Sponsor submits to the Government a copy of the owner's written release; or

(2) the Non-Federal Sponsor determines that an appraisal is unnecessary because the valuation problem is uncomplicated and the anticipated value of the real property interest proposed for acquisition is estimated at \$25,000 or less, based on a review of available data. When the Non-Federal Sponsor determines that an appraisal is unnecessary, the Non-Federal Sponsor shall prepare the written waiver valuation required by 49 C.F.R. Section 24.102(c)(2) and submit a copy thereof to the Government for approval. When the anticipated value of the real property interest exceeds \$10,000, the Non-Federal Sponsor must offer the owner the option of having the Non-Federal Sponsor appraise the real property interest.

d. Incidental Costs. The Government shall include in construction costs and credit towards the Non-Federal Sponsor's share of such costs, the incidental costs, documented to the satisfaction of the Government, that the Non-Federal Sponsor incurred in acquiring any real property interests required pursuant to Article III for the Project after the effective date of this Agreement, unless such incidental costs were required for in-kind contributions covered by an In-Kind MOU. For initial construction of the Project, only incidental costs for acquiring real property interests from private owners are eligible for credit. Such incidental costs shall include closing and title costs, appraisal costs, survey costs, attorney's fees, plat maps, mapping costs, actual amounts expended for payment of any relocation assistance benefits provided in accordance with Article III.E., and other payments by the Non-Federal Sponsor for items that are generally recognized as compensable, and required to be paid, by applicable state law due to the acquisition of a real property interest pursuant to Article III.

2. Placement Area Improvements. The Government shall include in construction costs and credit towards the Non-Federal Sponsor's share of such costs, the value of placement area improvements required for the Project. The value shall be equivalent to the costs, documented to the satisfaction of the Government, that the Non-Federal Sponsor incurred to provide any placement area improvements required for the Project. Only placement area improvements provided after the effective date of this Agreement are eligible for credit, unless such placement area improvements were required for in-kind contributions covered by an In-

Kind MOU. Such costs shall include, but not necessarily be limited to, actual costs of constructing the improvements; planning, engineering, and design costs; supervision and administration costs; and documented incidental costs associated with providing the improvements, but shall not include any costs associated with betterments, as determined by the Government.

3. Relocations. The Government shall include in construction costs and credit towards the Non-Federal Sponsor's share of such costs, the value of any relocations performed by the Non-Federal Sponsor that are directly related to construction, operation, and maintenance of the Project. Only relocations performed after the effective date of this Agreement are eligible for credit, unless such relocations were required for in-kind contributions covered by an In-Kind MOU.

a. For a relocation other than a highway, the value shall be only that portion of relocation costs that the Government determines is necessary to provide a functionally equivalent facility, reduced by depreciation, as applicable, and by the salvage value of any removed items.

b. For a relocation of a highway, which is any highway, roadway, or street, including any bridge thereof, that is owned by a public entity, the value shall be only that portion of relocation costs that would be necessary to accomplish the relocation in accordance with the design standard that the State of Florida would apply under similar conditions of geography and traffic load, reduced by the salvage value of any removed items.

c. Relocation costs include actual costs of performing the relocation; planning, engineering, and design costs; supervision and administration costs; and documented incidental costs associated with performance of the relocation, as determined by the Government. Relocation costs do not include any costs associated with betterments, as determined by the Government, nor any additional cost of using new material when suitable used material is available.

4. In-Kind Contributions. The Government shall include in construction costs and credit towards the Non-Federal Sponsor's share of such costs, the value of in-kind contributions that are integral to the Project.

a. The value shall be equivalent to the costs, documented to the satisfaction of the Government, that the Non-Federal Sponsor incurred to provide the in-kind contributions. Such costs shall include, but not necessarily be limited to, actual costs of providing the in-kind contributions; engineering and design costs; supervision and administration costs; and documented incidental costs associated with providing the in-kind contributions, but shall not include any costs associated with betterments, as determined by the Government. Appropriate documentation includes invoices and certification of specific payments to contractors, suppliers, and the Non-Federal Sponsor's employees.

b. No credit shall be afforded for interest charges, or any adjustment to reflect changes in price levels between the time the in-kind contributions are completed and

credit is afforded; for the value of in-kind contributions obtained at no cost to the Non-Federal Sponsor; for any in-kind contributions performed prior to the effective date of this Agreement unless covered by an In-Kind MOU between the Government and Non-Federal Sponsor; or for costs that exceed the Government's estimate of the cost for such in-kind contributions if they had been provided by the Government.

5. Compliance with Federal Labor Laws. Any credit afforded under the terms of this Agreement is subject to satisfactory compliance with applicable Federal labor laws covering non-Federal construction, including, but not limited to, 40 U.S.C. 3141-3148 and 40 U.S.C. 3701-3708 (labor standards originally enacted as the Davis-Bacon Act, the Contract Work Hours and Safety Standards Act, and the Copeland Anti-Kickback Act), and credit may be withheld, in whole or in part, as a result of the Non-Federal Sponsor's failure to comply with its obligations under these laws.

D. Notwithstanding any other provision of this Agreement, the Non-Federal Sponsor shall not be entitled to credit for real property interests that were previously provided as an item of local cooperation for another Federal project, that are required for beach improvements with exclusively private benefits or improvements or other work located within the Coastal Barrier Resources System that the Government has determined are ineligible for Federal financial participation, or real property interests for initial construction of the Project (other than those acquired through relocations) that are owned or controlled by public entities.

ARTICLE VI – PAYMENT OF FUNDS

A. As of the effective date of this Agreement, total construction costs are projected to be \$144,695,000 with the Government's share of such costs projected to be \$27,013,000 and the Non-Federal Sponsor's share of such costs projected to be \$117,682,000. Construction costs allocated to coastal storm risk management for initial construction are projected to be \$26,452,000, with the Government's share of such costs projected to be \$6,084,000 and the Non-Federal Sponsor's share of such costs projected to be \$20,368,000; which includes creditable real property interests, relocations, and placement area improvements projected to be \$1,028,280, creditable in-kind contributions projected to be \$0, and the amount of funds required to meet its cost share projected to be \$19,339,720. Construction costs allocated to coastal storm risk management for periodic nourishment are projected to be \$118,243,000, with the Government's share of such costs projected to be \$20,929,000, and the Non-Federal Sponsor's share of such costs projected to be \$97,314,000. Construction costs allocated to beach improvements with exclusively private benefits are projected to be \$12,787,028 for initial construction and \$57,159,251 for periodic nourishment. Construction costs allocated to improvements or other work located within the Coastal Barrier Resources System that the Government has determined are ineligible for Federal financial participation are projected to be \$4,291,738 for initial construction and \$19,184,484 for periodic nourishment. Costs for betterments are projected to be \$0. These amounts are estimates only that are subject to adjustment by the Government and are not to be construed as the total financial responsibilities of the Government and the Non-Federal Sponsor.

B. Deferred Payment of Cash Contributions for Initial Construction of the Project. To the extent BBA 2018 funds are available for initial construction of the Project, the following provisions apply:

1. During initial construction of the Project, the Government will maintain records of monthly Federal obligations and determine non-Federal share of such obligations.

a. The Government shall charge interest on the non-Federal share of each monthly amount. Interest shall be compounded annually on the anniversary of each monthly amount until the date initial construction of the Project is completed or terminated, as applicable. If such anniversary is less than twelve months, the Government will prorate the interest charges.

b. The Government shall provide the Non-Federal Sponsor with monthly reports of all such monthly amounts incurred to date and the estimated interest charges applied to each monthly amount through that quarter.

c. If the Non-Federal Sponsor elects to make a payment of funds during initial construction of the Project or the Government determines at any time that it does not have sufficient funds to allow the Non-Federal Sponsor to defer its cash contributions pursuant to the provisions of paragraph B. of this Article, the Non-Federal Sponsor shall provide such funds by delivering a check payable to "FAO, USAED, Jacksonville (K3)" to the District Commander, or by providing an Electronic Funds Transfer of such funds in accordance with procedures established by the Government.

2. Pursuant to Article II.E. or Article VII, the District Commander shall provide written notification to the Non-Federal Sponsor of the date initial construction was completed or terminated, as applicable. After such notification, the Government shall conduct a final accounting to determine the construction costs for initial construction and each party's required share thereof, and each party's total contributions thereto. Such final accounting does not limit the Non-Federal Sponsor's responsibility to pay its share of construction costs for initial construction, including contract claims or any other liability that may become known after the final accounting. In addition, if the final accounting for initial construction determines that the Non-Federal Sponsor's credit for real property interests, placement area improvements, and relocations combined with credit for in-kind contributions exceed its share of construction costs for initial construction, the Government, subject to the availability of funds, shall enter into a separate agreement to reimburse the difference to the Non-Federal Sponsor.

3. Not later than 30 calendar days after the date of the District Commander's written notice pursuant to paragraph B.2. of this Article, the Government shall complete the final accounting and notify the Non-Federal Sponsor in writing of the principal amount, which includes that portion of the non-Federal cash contributions that have been deferred plus interest during construction, and the initial annual installments of the principal amount amortized over a period of 30-years using an interest rate determined in accordance with Section 106 of the Water Resources Development Act of 1986. The payment period begins on the date the Government notifies the Non-Federal Sponsor of the principal amount and the initial annual installments.

4. The Government shall recalculate the annual installments at five-year intervals by amortizing the outstanding portion of the principal amount over the remaining portion of the payment period using an interest rate determined in accordance with Section 106 of the Water Resources Development Act of 1986. The Government shall notify the Non-Federal Sponsor in writing of the recalculated annual installments. The last installment shall be adjusted upward or downward to assure payment of all the indebtedness.

5. The Non-Federal Sponsor shall pay the first installment no later than 30 calendar days after the date of the Government's notification pursuant to paragraph B.3. of this Article, and each annual installment thereafter on the anniversary date of such notification, by delivering a check payable to "FAO, USAED, Jacksonville (K3)" to the District Commander or providing an Electronic Funds Transfer in accordance with procedures established by the Government. The Non-Federal Sponsor, in its sole discretion, may prepay the principal amount, in whole or in part, at any time without penalty.

C. Payment of Funds for Each Cycle of Periodic Nourishment.

1. While undertaking periodic nourishment, the Government shall provide the Non-Federal Sponsor with quarterly reports setting forth the estimated construction costs and the Government's and Non-Federal Sponsor's estimated shares of such costs; costs incurred by the Government, using both Federal and Non-Federal Sponsor funds, to date; the amount of funds provided by the Non-Federal Sponsor to date; the estimated amount of any creditable real property interests, placement area improvements, and relocations; the estimated amount of any creditable in-kind contributions; and the estimated amount of funds required from the Non-Federal Sponsor during the upcoming fiscal year.

2. For each cycle of periodic nourishment, the Non-Federal Sponsor shall provide the funds required to meet its share of construction costs allocated to coastal storm risk management by delivering a check payable to "FAO, USAED, Jacksonville (K3)" to the District Commander, or verifying to the satisfaction of the Government that the Non-Federal Sponsor has deposited such required funds in an escrow or other account acceptable to the Government, with interest accruing to the Non-Federal Sponsor, or by providing an Electronic Funds Transfer of such required funds in accordance with procedures established by the Government.

3. The Government shall draw from the funds provided by the Non-Federal Sponsor to cover the non-Federal share of construction costs allocated to coastal storm risk management as those costs are incurred. If the Government determines at any time that additional funds are needed from the Non-Federal Sponsor to cover the Non-Federal Sponsor's required share of such construction costs, the Government shall provide the Non-Federal Sponsor with written notice of the amount of additional funds required. Within 120 calendar days from receipt of such notice, the Non-Federal Sponsor shall provide the Government with the full amount of such additional required funds.

4. Upon completion of each cycle of periodic nourishment, including resolution of all relevant claims and appeals and eminent domain proceedings, the Government shall

conduct a final accounting and furnish the Non-Federal Sponsor with the written results of such final accounting. Should such final accounting determine that additional funds are required from the Non-Federal Sponsor, the Non-Federal Sponsor, within 120 calendar days of receipt of written notice from the Government, shall provide the Government with the full amount of such additional required funds. Such final accounting does not limit the Non-Federal Sponsor's responsibility to pay its share of construction costs, including contract claims or any other liability that may become known after the final accounting. If a final accounting determines that funds provided by the Non-Federal Sponsor exceed the amount of funds required to meet its share of construction costs for periodic nourishment, the Government shall refund such excess amount, subject to the availability of funds for the refund. In addition, if such final accounting determines that the Non-Federal Sponsor's credit for real property interests, placement area improvements, and relocations combined with credit for in-kind contributions exceed its share of construction costs for periodic nourishment, the Government, subject to the availability of funds; shall enter into a separate agreement to reimburse the difference to the Non-Federal Sponsor.

D. If there are beach improvements with exclusively private benefits; improvements or other work located within the Coastal Barrier Resources System that the Government has determined are ineligible for Federal financial participation; or real property interests, placement area improvements, relocations, additional work, or betterments provided on behalf of the Non-Federal Sponsor; the Government shall provide written notice to the Non-Federal Sponsor of the amount of funds required to cover such costs. No later than 120 calendar days of receipt of such written notice, the Non-Federal Sponsor shall make the full amount of such required funds available to the Government by delivering a check payable to "FAO, USAED, Jacksonville (K3)" to the District Commander, or by providing an Electronic Funds Transfer of such funds in accordance with procedures established by the Government. If at any time the Government determines that additional funds are required to cover such costs, the Non-Federal Sponsor shall provide those funds within 30 calendar days from receipt of written notice from the Government.

ARTICLE VII - TERMINATION OR SUSPENSION

A. If at any time the Non-Federal Sponsor fails to fulfill its obligations under this Agreement, the Government may suspend or terminate construction of the Project unless the Assistant Secretary of the Army (Civil Works) determines that continuation of such work is in the interest of the United States or is necessary in order to satisfy agreements with other non-Federal interests.

B. If the Government determines at any time that the Federal funds made available for construction of the Project are not sufficient to complete such work, the Government shall so notify the Non-Federal Sponsor in writing within 30 calendar days, and upon exhaustion of such funds, the Government shall suspend construction, until there are sufficient funds appropriated by the Congress and funds provided by the Non-Federal Sponsor to allow construction to resume. In addition, the Government may suspend construction of periodic nourishment if the Maximum Cost Limit is exceeded.

C. If hazardous substances regulated under CERCLA are found to exist in, on, or under any required real property interests, the parties shall follow the procedures set forth in Article IV.

D. In the event of termination, the parties shall conclude their activities relating to construction of the Project. To provide for this eventuality, the Government may reserve a percentage of available funds as a contingency to pay the costs of termination, including any costs of resolution of real property acquisition, resolution of contract claims, and resolution of contract modifications.

E. Any suspension or termination shall not relieve the parties of liability for any obligation incurred. Any delinquent payment owed by the Non-Federal Sponsor pursuant to this Agreement shall be charged interest at a rate, to be determined by the Secretary of the Treasury, equal to 150 per centum of the average bond equivalent rate of the 13 week Treasury bills auctioned immediately prior to the date on which such payment became delinquent, or auctioned immediately prior to the beginning of each additional 3 month period if the period of delinquency exceeds 3 months.

ARTICLE VIII - HOLD AND SAVE

The Non-Federal Sponsor shall hold and save the Government free from all damages arising from design, construction, operation, maintenance, repair, rehabilitation, and replacement of the Project, except for damages due to the fault or negligence of the Government or its contractors.

ARTICLE IX - DISPUTE RESOLUTION

As a condition precedent to a party bringing any suit for breach of this Agreement, that party must first notify the other party in writing of the nature of the purported breach and seek in good faith to resolve the dispute through negotiation. If the parties cannot resolve the dispute through negotiation, they may agree to a mutually acceptable method of non-binding alternative dispute resolution with a qualified third party acceptable to the parties. Each party shall pay an equal share of any costs for the services provided by such a third party as such costs are incurred. The existence of a dispute shall not excuse the parties from performance pursuant to this Agreement.

ARTICLE X - MAINTENANCE OF RECORDS AND AUDITS

A. The parties shall develop procedures for the maintenance by the Non-Federal Sponsor of books, records, documents, or other evidence pertaining to costs and expenses for a minimum of three years after the final accounting. The Non-Federal Sponsor shall assure that such materials are reasonably available for examination, audit, or reproduction by the Government.

B. The Government may conduct, or arrange for the conduct of, audits of the Project. Government audits shall be conducted in accordance with applicable Government cost principles and regulations. The Government's costs of audits shall not be included in construction costs that are cost shared but shall be included in calculating the Maximum Cost Limit.

C. To the extent permitted under applicable Federal laws and regulations, the Government shall allow the Non-Federal Sponsor to inspect books, records, documents, or other evidence pertaining to costs and expenses maintained by the Government, or at the request of the Non-Federal Sponsor, provide to the Non-Federal Sponsor or independent auditors any such information necessary to enable an audit of the Non-Federal Sponsor's activities under this Agreement. The costs of non-Federal audits shall be paid solely by the Non-Federal Sponsor without reimbursement or credit by the Government.

ARTICLE XI - RELATIONSHIP OF PARTIES

In the exercise of their respective rights and obligations under this Agreement, the Government and the Non-Federal Sponsor each act in an independent capacity, and neither is to be considered the officer, agent, or employee of the other. Neither party shall provide, without the consent of the other party, any contractor with a release that waives or purports to waive any rights a party may have to seek relief or redress against that contractor.

ARTICLE XII - NOTICES

A. Any notice, request, demand, or other communication required or permitted to be given under this Agreement shall be deemed to have been duly given if in writing and delivered personally or mailed by registered or certified mail, with return receipt, as follows:

If to the Non-Federal Sponsor:

Chair
St. Johns County Board of County Commissioners
500 San Sebastian View
St. Augustine, Florida 32084

If to the Government:

District Commander
Jacksonville District
P.O. Box 4970
Jacksonville, Florida 32232-0019

B. A party may change the recipient or address to which such communications are to be directed by giving written notice to the other party in the manner provided in this Article.

ARTICLE XIII - CONFIDENTIALITY

To the extent permitted by the laws governing each party, the parties agree to maintain the confidentiality of exchanged information when requested to do so by the providing party.

ARTICLE XIV - THIRD PARTY RIGHTS, BENEFITS, OR LIABILITIES

Nothing in this Agreement is intended, nor may be construed, to create any rights, confer any benefits, or relieve any liability, of any kind whatsoever in any third person not a party to this Agreement.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, which shall become effective upon the date it is signed by the District Commander.

DEPARTMENT OF THE ARMY

ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS

BY: _____

Andrew D. Kelly
Colonel, U.S. Army

BY: _____

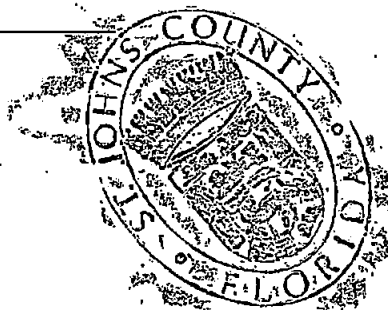
Paul M. Waldron
Chair

DATE: _____

4/23/19

DATE: _____

4/23/19

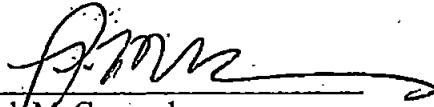


CERTIFICATE OF AUTHORITY

I, Patrick McCormack, do hereby certify that I am the principal legal officer of St. Johns County, that St. Johns County is a legally constituted public body with full authority and legal capability to perform the terms of the Agreement between the Department of the Army and St. Johns County in connection with the St. Johns County, Florida Coastal Storm Risk Management Project (South Ponte Vedra Beach and Vilano Beach Reaches), and to pay damages, if necessary, in the event of the failure to perform in accordance with the terms of the Agreement, as required by Section 221 of the Public Law 91-661, as amended (42 U.S.C. 1962d-5b), and that the person who executed the Agreement on behalf of St. Johns County acted within his statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification this

23 day of April 2019.



Patrick McCormack
County Attorney

CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

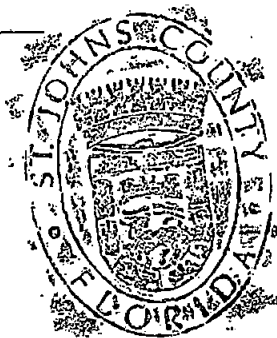
(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Paul M. Waldron

Paul M. Waldron, Chair
St. Johns County Board of County Commissioners

DATE: 4/23/19



RESOLUTION NO. 2019-77

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, APPROVING THE TERMS AND CONDITIONS OF, AND AUTHORIZING THE EXECUTION OF, A PROJECT PARTNERSHIP AGREEMENT BETWEEN THE DEPARTMENT OF THE ARMY AND ST. JOHNS COUNTY FOR THE ST. JOHNS COUNTY, FLORIDA, COASTAL STORM RISK MANAGEMENT PROJECT IN PORTIONS OF THE SOUTH PONTE VEDRA AND VILANO BEACH REACHES; PROVIDING FOR INCORPORATION OF RECITALS; PROVIDING FOR CORRECTION OF ERRORS; PROVIDING DIRECTION; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the United States Department of the Army, represented by the Jacksonville District of the U.S. Army Corps of Engineers, has presented the attached Project Partnership Agreement (the Agreement) to participate in a Coastal Storm Risk Management Project (the Project), consisting of an equilibrated sixty foot extension of the dry beach and restoration of the 2015 dune position along an approximately 2.6 mile section of beach immediately south of Serenata Ocean Villas on Vilano Beach, and periodic nourishments to restore the project, as needed but estimated to occur every twelve years, over a 50-year period; and

WHEREAS, the Project is defined in the St. Johns County, Florida South Ponte Vedra Beach, Vilano Beach and Summer Haven Reaches Coastal Storm Risk Management Project Final Integrated Feasibility Study and Environmental Assessment, dated March 2017, approved by the Chief of Engineers on August 8, 2017; and

WHEREAS, construction of the Project was authorized by Section 1401(3) of the Water Resources Development Act of 2018, Public Law 115-270; and

WHEREAS, the Agreement provides for the obligations of the County and the U.S. Army Corps of Engineers with respect to the Project, including cost-sharing requirements pursuant to Section 103 of the Water Resources Development Act of 1986, Public Law 99-662, as amended; and

WHEREAS, the federal share of the initial project is funded by appropriations provided under the Construction heading, Title IV, Division B of the Bipartisan Budget Act of 2018, Public Law 115-123 enacted February 9, 2018; and

WHEREAS, the County has reviewed the terms, provisions and requirements of the Agreement, and has determined that accepting the terms of the Agreement serves the public interests of the citizens of St. Johns County.

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

Section 1. The above recitals are hereby incorporated into the body of this resolution, and such recitals are adopted as findings of fact.

Section 2. The Board of County Commissioners hereby approves the terms, conditions, provisions, and requirements of the Agreement, and authorizes the Chair, or his designee, to execute the Agreement on behalf of the County in substantially the same form as attached.

Section 3. The Board of County Commissioners further authorizes the County Administrator, or his designee, to execute any supplemental paperwork or documentation necessary to accomplish the overall goal set forth in the agreement.

Section 4. To the extent that there are typographical, administrative or scrivener's errors that do not change the tone, tenor or concept of the resolution, this resolution may be revised without further action by the Board of County Commissioners.

Section 5. This resolution shall become effective immediately upon its adoption by the Board of County Commissioners.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, this 19th day of March 2019.

ATTEST: Hunter S. Conrad, Clerk

By: *Pam Satterman*
Deputy Clerk

Rendition Date: 3/21/19

BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA

By: *Paul M. Waldron*
Paul M. Waldron,

Chair Effective Date:

3/19/19





DEPARTMENT OF THE ARMY
CHIEF OF ENGINEERS
2600 ARMY PENTAGON
WASHINGTON, DC 20310-2600

AUG 08 2017

DAEN

SUBJECT: St. Johns County, Florida - South Ponte Vedra Beach, Vilano Beach, and Summer Haven Reaches - Coastal Storm Risk Management Project

THE SECRETARY OF THE ARMY

1. I submit for transmission to Congress my report on coastal storm risk management at St. Johns County, Florida. It is accompanied by the report of the district and division engineers. This report is an interim response to House Resolution 2646 adopted June 21, 2000 by the Committee on Transportation and Infrastructure of the United States House of Representatives. The resolution requested the Secretary of the Army, acting through the Chief of Engineers, "*to survey the shores of St. Johns County, Florida, with particular reference to the advisability of providing beach erosion control works in the area north of St. Augustine Inlet, the shoreline in the vicinity of Matanzas Inlet, and adjacent shorelines, as may be necessary in the interest of hurricane protection, storm damage reduction, beach erosion control, and other related purposes.*" Pre-construction engineering and design activities for the project will continue under the authority cited above.
2. The reporting officers recommend a project that will contribute to economic efficiency for providing coastal storm risk management. Based on an evaluation of alternative plan costs and economic benefits the recommended plan is the National Economic Development (NED) plan. The non-federal sponsor, St. Johns County, supports the NED plan.
 - a. The recommended plan includes beach and dune nourishment within the Vilano Beach reach and a small portion of the South Ponte Vedra Beach reach. The design includes construction of a 60-foot equilibrated berm extension from the +8.0 foot 1988 North Atlantic Vertical Datum contour between the R monuments R103.5 and R116.5 along 2.6 miles of shoreline. The project template will include a dune feature that reflects the average 2015 dune position. Tapers of a maximum length of one thousand feet will extend from the northern and southern ends of the berm extension, connecting the extension to the existing shoreline. The addition of tapers results in sand placement from R102.5 to R117.5 along 3 miles of shoreline.
 - b. Initial construction will require approximately 1,310,000 cubic yards of sand, and each periodic nourishment event will require approximately 866,000 cubic yards. The periodic nourishment interval is expected to be approximately 12 years, equaling an estimated 3 periodic nourishment events in addition to initial construction over the 50-year period of federal participation.

DAEN

SUBJECT: St. Johns County, Florida - South Ponte Vedra Beach, Vilano Beach, and Summer Haven Reaches - Coastal Storm Risk Management Project

c. The sand source identified for the project is the St. Augustine Inlet system, located adjacent to the project area to the south. There is approximately 6.5 million cubic yards (MCY) of beach quality sand in the inlet system. This volume is more than adequate to meet the initial construction volume. The periodic nourishment volume is approximately 866,000 cubic yards every 12 years. The Florida Department of Environmental Protection's inlet management plan for St. Augustine Inlet states a bypassing objective of 278,000 cubic yards per year of which one third should go to beaches to the north. One third of the bypassing objective is 92,666 cubic yards per year. Over 12 years, 1.1 MCY would be available to meet the 866,000 cubic yard need for a periodic nourishment event.

d. Native vegetation will be planted on areas of the existing dune disturbed by construction, as well as the newly constructed dune to stabilize the fill. It is assumed that dune planting will only be necessary for initial construction and that vegetation will naturally grow and spread to any areas that are nourished in the future.

e. A portion of the project is located in the Coastal Barrier Resource System (CBRS) unit P04A. In accordance with the Coastal Barrier Resources Act (CBRA), no federal funds will be expended for this portion of the project. The cost share for this area is a non-federal responsibility for both initial construction and periodic nourishment.

3. St. Johns County is the non-federal cost sharing sponsor for all features. Based on Fiscal Year 17 price levels, the estimated total nourishment cost of the NED Plan is \$78,417,000, which includes the project first cost of initial construction of \$24,834,000 and three periodic nourishments at a total cost of \$53,583,000. The three periodic nourishments are estimated to occur at 12-year intervals. Since the final nourishment is estimated to occur at year 36 following initial construction, the estimated cost of periodic nourishments accounts for approximately two years' worth of additional volume being placed during that final nourishment. Cost sharing is applied in accordance with the provisions of Section 103 of the Water Resources Development Act (WRDA) of 1986, as amended by Section 215 of WRDA 1999, as follows:

a. The federal share of the project first cost for initial construction would be approximately \$5,712,000 and the non-federal share would be approximately \$19,122,000, which equates to 23 percent federal and 77 percent non-federal. The non-federal costs include the value of lands, easements, rights-of-way, relocations and dredged or excavated material disposal areas (LERRD) estimated to be \$943,000.

b. The federal share of future periodic nourishment is estimated to be \$9,484,000 and the non-federal share is estimated to be \$44,099,000 which equates to 17.7 percent federal and 82.3 percent non-federal.

c. Operation, Maintenance, Repair, Rehabilitation, and Replacement (OMRR&R) costs are estimated to be \$35,000 annually. OMRR&R costs are a 100% non-federal responsibility.

DAEN

SUBJECT: St. Johns County, Florida - South Ponte Vedra Beach, Vilano Beach, and Summer Haven Reaches - Coastal Storm Risk Management Project

4. Based on a 2.875 percent discount rate and a 50-year period of analysis, the total equivalent average annual costs of the project are estimated to be \$2,031,000. All project costs are allocated to the authorized purpose of coastal storm risk management. The selected plan would reduce average annual coastal storm damages by approximately \$1,961,000. The equivalent average annual benefits, inclusive of recreation benefits, are estimated to be \$2,653,000 with net average annual benefits of \$622,000. The benefit to cost ratio is approximately 1.3 to 1. The project would reduce coastal damages including reduction of damage to a key piece of critical infrastructure, State Road (SR) A1A. In addition to functioning as a hurricane evacuation route; SR A1A also serves as a primary post storm emergency response and recovery route for the area. Thus, protection of A1A could potentially reduce loss of life pre- and post hurricane. The project would also establish at least 3.2 acres of beach habitat that will provide suitable nesting habitat for federally threatened and endangered species such as loggerhead, green, Kemp's ridley, hawksbill, and leatherback sea turtles and piping plover and rufa red knot shorebirds along approximately 3 miles of shoreline.

5. Risk and uncertainty has been explicitly factored into the economic analysis of this project. A statistical risk based model, Beach-fx, was used in this study to formulate and evaluate the project in a life-cycle approach. Beach-fx integrates the engineering and economic analyses and incorporates uncertainty in both physical parameters and environmental forcing, which enables quantification of risk with respect to project evolution and economic costs and benefits of project implementation. The application of Beach-fx in this study is to estimate future without project damages and quantify the damages prevented by various storm damage reduction alternatives for St. Johns County over the 50 year project life. The project is intended to address erosion and prevent damages to structures and infrastructure; it is not intended to, nor will it, reduce the risk to loss of life during major storm events. Loss of life can only be prevented by residents and visitors following the local evacuation plans that are already in place. These residual risks have been communicated to the residents of St. Johns County.

6. In accordance with the Corps Engineering Regulation (ER 1100-2-8162) on sea level change, the study performed a sensitivity analysis to evaluate the effects that different rates of sea level change could have on the recommended plan. The NED plan was formulated using the historical or low rate of sea level change. Beach-fx was used to model the performance of the NED plan for what the ER defines as intermediate and high rates of sea level rise. The benefits of the project increase significantly in the intermediate and high sea level rise scenarios, but the costs also increase. Thus, the project performance (in terms of the benefit-cost ratio) is relatively constant throughout the three scenarios. As both costs and benefits are increasing, the net benefits actually increase with increasing rates of sea-level rise. Overall, these results suggest that the NED plan is both effective and robust in all three simulated sea level rise scenarios. Adaptive management will be used including adjusting the timing of periodic nourishments and project volume requirements based on monitoring reports to compensate for any significant accelerated sea level rise beyond the historical or low rate should it become necessary.

7. In accordance with the Corps Engineering Circular (EC 1165-2-214) on review of decision documents, all technical, engineering and scientific work underwent an open, dynamic and

DAEN

SUBJECT: St. Johns County, Florida - South Ponte Vedra Beach, Vilano Beach, and Summer Haven Reaches - Coastal Storm Risk Management Project

rigorous review process to ensure technical quality. This included District Quality Control review, Agency Technical Review (ATR), Major Subordinate Command (MSC) review and a Corps Headquarters policy and legal review. All concerns of the ATR have been addressed and incorporated into the final report. The requirement to perform Independent External Peer Review was waived by Corps Headquarters since there was no Environmental Impact Statement for the study, it had negligible adverse impacts to the environment and is not controversial. All comments from the above referenced reviews have been addressed and incorporated into the final documents. Overall, the reviews resulted in improvements to the technical quality of the report.

8. Washington level review indicates that the project recommended by the reporting officers is technically sound, environmentally and socially acceptable, and economically justified. The plan complies with all essential elements of the 1983 U.S. Water Resources Council's Economic and Environmental Principles and Guidelines for Water and Land Related Resources Implementation studies and complies with other administrative and legislative policies and guidelines. Also the views of interested parties, including federal, state and local agencies have been considered.

9. I concur in the findings, conclusions and recommendations of the reporting officers. Accordingly, I recommend that the plan to reduce hurricane and storm damages for St. Johns County, Florida is authorized in accordance with the reporting officers' recommended plan at an estimated project-first cost of \$78,417,000 with such modifications as in the discretion of the Chief of Engineers may be advisable. My recommendation is subject to cost sharing, financing and other applicable requirements of federal and state laws and policies, including Section 103 of WRDA 1986, as amended by Section 215 of WRDA 1999. The non-federal sponsor would provide the non-federal cost share and all LERRD. Further, the non-federal sponsor would be responsible for all OMRR&R. This recommendation is subject to the non-federal sponsor agreeing to comply with all applicable federal laws and policies.

a. Provide 35% of design and initial construction costs assigned to coastal storm risk management plus 100% of costs assigned to protecting areas within the CBRS when such costs are not excepted from the CBRA's limitation on federal expenditures and 100% of the costs assigned to protecting undeveloped private lands and other private shores which do not provide public benefits; and 50% of periodic nourishment costs assigned to hurricane and storm damage reduction, plus 100% of periodic nourishment costs assigned to protecting areas within the CBRS when such costs are not excepted from the CBRA's limitation on federal expenditures and 100% of costs assigned to protecting undeveloped private lands and other private shores which do not provide public benefits and as further specified below:

1) Provide, during design, 35 percent of design costs;

2) Provide all lands, easements, and rights-of-way, perform or ensure the performance of any relocations, and provide all relocation assistance determined by the federal government to be necessary for the initial construction, periodic nourishment, and operation and maintenance of the project, all in compliance with applicable provisions of the Uniform Relocation and

DAEN

SUBJECT: St. Johns County, Florida - South Ponte Vedra Beach, Vilano Beach, and Summer Haven Reaches - Coastal Storm Risk Management Project

Assistance and Real Property Acquisition Policies Act of 1970, as amended (42 U.S.C. 4601-4655) and the regulations contained in 49 CFR Part 24.;

3) Pay, during construction, any additional amounts necessary to make its contribution equal to 35% of initial project costs assigned to hurricane and storm damage reduction, plus 100% of initial project costs assigned to protecting undeveloped private lands and other private shores which do not provide public benefits; and 50% of periodic nourishment costs assigned to hurricane and storm damage reduction, plus 100% of periodic nourishment costs assigned to protecting undeveloped private lands and other private shores which do not provide public benefits;

b. Operate, maintain, and repair the completed project, or functional portion of the project, at no cost to the federal government, in a manner compatible with the project's authorized purposes and in accordance with applicable federal laws and regulations, and any specific directions prescribed by the federal government;

c. Hold and save the United States free from all damages arising from the initial construction, periodic nourishment, operation, maintenance, repair, replacement, and rehabilitation of the projects, except for damages due to the fault or negligence of the United States or its contractors;

d. Perform, or ensure performance of, any investigations for hazardous substances that are determined necessary to identify the existence and extent of any hazardous substances regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Public Law 96-510, as amended, 42 U.S.C. 9601-9675, that may exist in, on, or under lands, easements, or rights-of-way that the federal government determines to be required for the initial construction, periodic nourishment, operation, and maintenance of the project. However, for lands that the federal government determines to be subject to the navigation servitude, only the federal government shall perform such investigations unless the federal government provides the non-federal sponsor with prior specific written direction, in which case the non-federal sponsor shall perform such investigations in accordance with such written direction;

e. Assume, as between the federal government and the non-federal sponsor, complete financial responsibility for all necessary cleanup and response costs of any CERCLA regulated materials located in, on, or under lands, easements, or rights-of-way that the federal government determines to be necessary for the initial construction, periodic nourishment, operation, or maintenance of the project;

f. Agree, as between the federal government and the non-federal sponsor, that the non-federal sponsor shall be considered the operator of the project for the purpose of CERCLA liability, and to the maximum extent practicable, operate, maintain, and repair the project in a manner that will not cause liability to arise under CERCLA;

DAEN

SUBJECT: St. Johns County, Florida - South Ponte Vedra Beach, Vilano Beach, and Summer Haven Reaches - Coastal Storm Risk Management Project

g. Prevent obstructions or encroachments on the project (including prescribing and enforcing regulations to prevent such obstructions or encroachments) that might reduce the level of protection the project affords, hinder operation and maintenance of the project, or interfere with the project's proper function;

h. Inform affected interests, at least annually, of the extent of risk reduction afforded by the project; participate in and comply with applicable federal floodplain management and flood insurance programs; comply with Section 402 of WRDA 1986, as amended (33 U.S.C. 701b-12); and publicize floodplain information in the area concerned and provide this information to zoning and other regulatory agencies for their use in adopting regulations, or taking other actions, to prevent unwise future development and to ensure compatibility with the project;

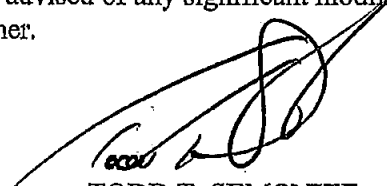
i. For shores, other than federal shores, protected using federal funds, ensure continued conditions of public use of such shores compatible with the authorized purpose of the project;

j. Provide and maintain necessary access roads, parking areas, and other public use facilities, open and available to all on equal terms; and

k. At least annually, and after storm events, perform surveillance of the project, at no cost to the government, to determine losses of material and provide the results of such surveillance to the federal government.

10. The recommendations contained herein reflect the information available at this time and current departmental policies governing formulation of individual projects. These recommendations do not reflect program and budgeting priorities inherent in the formulation of the national civil works construction program nor the perspective of higher review levels within the executive branch. Consequently, the recommendations may be modified before they are transmitted to the Congress as proposals for authorization and implementation funding. However, prior to transmittal to the Congress, the non-federal sponsor, the state, interested federal agencies and other parties will be advised of any significant modifications and will be afforded an opportunity to comment further.

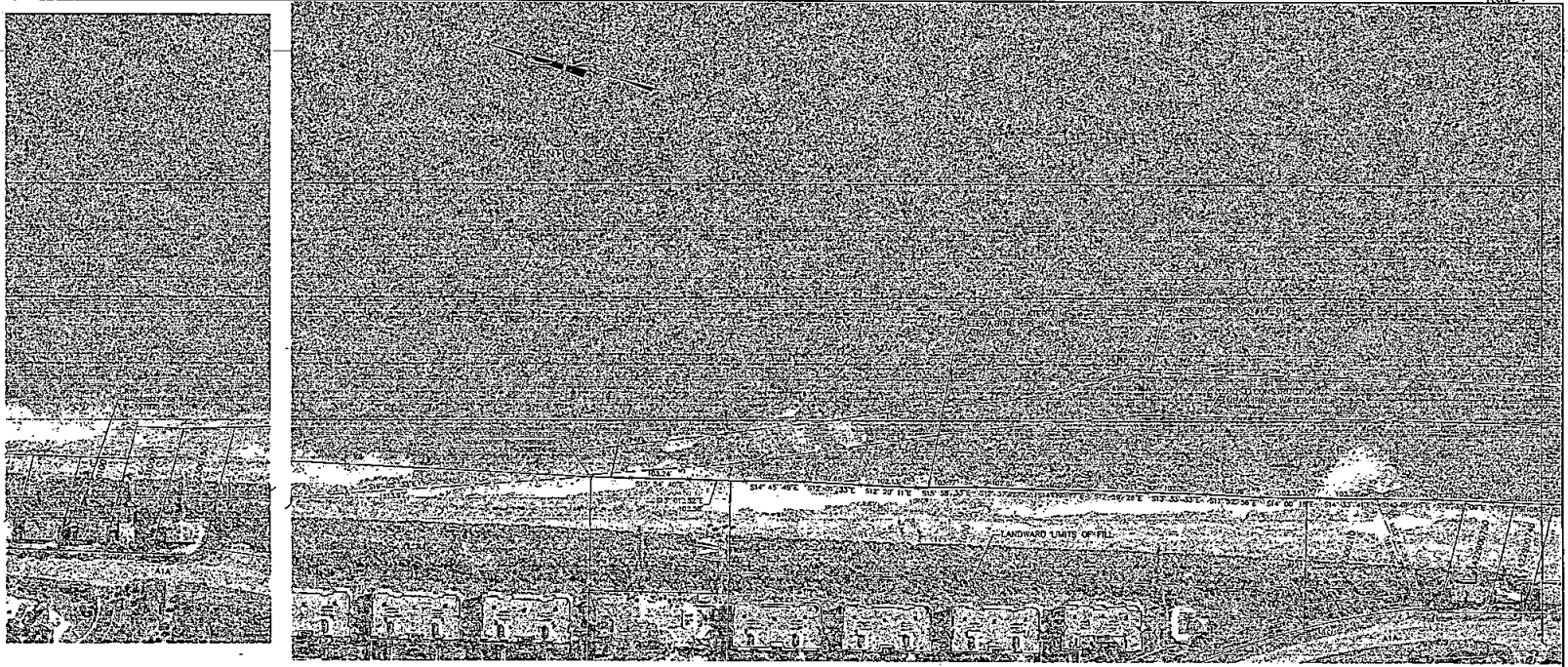
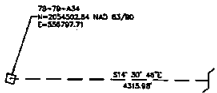
*PROUD TO BE
ABLE TO FINALIZE
THE "CHIEF'S REPORT"
ON THIS CRITICAL
PROJECT!*



TODD T. SEMONITE
Lieutenant General, USA
Chief of Engineers

South Ponte Vedra and Vilano Beach USACE Coastal Storm Risk Management Project link to Feasibility Study:

https://www.sai.usace.army.mil/Portals/44/docs/Planning/EnvironmentalBranch/EnvironmentalDocs/StJohns/StJohns_FeasibilityStudy_EA_Final_MainReport_20170315_508.pdf?ver=2017-04-19-084059-083



**MEAN HIGH WATER LINE
COORDINATE & ELEVATION VALUES**

POINT	NORTHING	EASTING	ELEVATION (NAVD 88)
501	2048983.89	556374.49	1.85
502	2048974.48	556366.89	1.85
503	2048974.25	556341.51	1.85
504	2048974.31	556338.83	1.85
505	2048924.74	556464.87	1.85
506	2048924.33	556458.28	1.85
507	2048924.56	556508.08	1.85
508	2048924.80	556538.84	1.85
509	2048924.43	556559.72	1.85
510	2048925.01	556534.44	1.85
511	2048924.53	556607.82	1.85
512	2048924.02	556631.86	1.85
513	2047924.12	556852.85	1.85
514	2047924.81	556877.85	1.85
515	2047924.91	556703.88	1.85
516	2047924.40	556730.19	1.85
517	2047924.92	556772.48	1.85
518	2047924.20	556773.58	1.85

PARCEL ID	OWNER NAME	SITE ADDRESS	NAMING ADDRESS
342230000	ERNEST STEVEN A. DAWN E	2125 S PONTE VEDRA BLVD, PONTE VEDRA BEACH, FL 32082-0000	2285 S PONTE VEDRA BLVD, PONTE VEDRA BEACH, FL 32082-0000
342230000	GLASS CASTLE LLC	3157 S PONTE VEDRA BLVD, PONTE VEDRA BEACH, FL 32082-0000	GLASS CASTLE LLC, C/O DWATI PATEL, 1650 RAN DALE MILL PL, ATLANTA, GA 30327-0000
342231000	TIDES EDGE HOMEOWNERS ASSOCIATION	1137 S PONTE VEDRA BLVD, PONTE VEDRA BEACH, FL 32082-0000	303 OVAL CIRCLE, PONTE VEDRA BEACH, FL 32082-0000
342230000	A14 HOLDINGS GROUP LLC	1141 S PONTE VEDRA BLVD, PONTE VEDRA BEACH, FL 32082-0000	A14 HOLDINGS GROUP LLC, 220 E CHESTNUT ST, WALKERSVILLE, OHIO 43081-0000
342230000	MARIPOSA LAND LLC	PONTE VEDRA BEACH, FL 32082-0000	MARIPOSA LAND LLC, 101 E TOWN PL STE 150, SAINT AUGUSTINE, FL 32082-0000
342231000	THE OCEAN VILLAS AT SERENATA BEACH CONDO	PONTE VEDRA BEACH, FL 32082-0000	
342230000	MARIPOSA BEACH CLUB LLC	1175 S PONTE VEDRA BLVD, PONTE VEDRA BEACH, FL 32082-0000	
342230000	MARIPOSA LAND LLC	PONTE VEDRA BEACH, FL 32082-0000	1405105A LAND LLC, 101 E TOWN PL STE 150, SAINT AUGUSTINE, FL 32082-0000
342230000	ANDERSON JOHN B	1600 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4464 RHINES PL, DALLAS, TX 75205-0000
342200728	BUN GISTON OLIVER HOMEOWNERS ASSOC, INC	SAINT AUGUSTINE, FL 32084-0000	7284 BRIGGTON CT, SAINT AUGUSTINE, FL 32084-0000
342200728	ANDERSON GEORGE M. CENTRALE	628 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	5728 LAUREL OAK DR, SAVANNAH, GA 30304-0000
342200728	ARGUELLA FREDOYE, JENNIFER	1522 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1172 BURGESS HWY, STE 304, CONROVE, GA 30201-0000
342200728	BATTS JAMES T III ET AL	1578 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	6878 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
342200990	FISHER ALAN M. TRINA JOHNSON	6270 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4470 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
342200000	CAF WEST CONSTRUCTION LLC	1522 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4800 BEACH BLVD STE 1, SAINT AUGUSTINE, FL 32084-0000
342310000	SOUTH PONTE VEDRA LLC	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4800 BEACH BLVD STE 1, SAINT AUGUSTINE, FL 32084-0000



SEE SHEET 1 FOR NOTES

Morgan & Eklund Inc.
PROFESSIONAL SURVEY CONSULTANTS

M&E

4909 US HIGHWAY #1
VERO BEACH, FL 32967
PHONE: (772) 358-5384
FAX: (772) 358-3185

1812 NW 2ND AVENUE
SUITE 2
BOCA RATON, FL 33432
PHONE: (954) 421-9522
FAX: (954) 421-0425

DATE OF SURVEY: 11/15/19
DRAWN BY: LFP
CHECKED BY: JRM
FIELD BOOK: ST JOHN 36
PAGE NO: 11 - 18
DATE OF SURVEY: 8/14/19
SHEET: 2 of 7

**ST JOHN'S R102.5 TO R117.5
EROSION CONTROL LINE
ST JOHN'S COUNTY, FLORIDA**

COMMISSION NO.
35716-1
SCALE
1" = 100'
DATE
8/27/19
SHEET 2 of 7



**MEAN HIGH WATER LINE
COORDINATE & ELEVATION VALUES**

POINT	NORTHING	EASTING	ELEVATION (NAVD 88)
518	204724.20	558775.58	1.65
518	204723.79	558805.97	1.65
520	204724.43	558823.18	1.65
521	2048825.18	558882.23	1.65
522	2048824.37	558879.23	1.65
523	204871.34	558903.70	1.65
524	2048824.71	558923.47	1.65
525	204824.85	558923.88	1.65
526	204842.67	558928.18	1.65
527	204823.80	559023.24	1.65
528	204832.88	559033.24	1.65
529	204813.81	559060.90	1.65
530	204802.85	559090.38	1.65
531	204824.75	559116.27	1.65
532	204829.57	559142.09	1.65
533	204837.81	559157.37	1.65
534	204862.52	559202.32	1.65
535	204852.454	559203.84	1.65
536	204842.50	559231.30	1.65
537	204822.47	559236.28	1.65
538	204822.47	559236.28	1.65
539	204824.85	559242.87	1.65
540	204824.85	559242.87	1.65
541	204824.85	559242.87	1.65
542	204824.85	559242.87	1.65
543	204824.85	559242.87	1.65
544	204824.85	559242.87	1.65
545	204824.85	559242.87	1.65
546	204824.85	559242.87	1.65
547	204824.85	559242.87	1.65
548	204824.85	559242.87	1.65
549	204824.85	559242.87	1.65
550	204824.85	559242.87	1.65

PARCEL ID	OWNER NAME	7074 ADDRESS	MAILING ADDRESS
142300756	ANDREW OF GEORGE BA CYRPIA E	6308 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3725 LAUREL OAK DR, SUWANEE, GA 30024-0000
142300772	ARGENTI, FREDRICK, JENNIFER	6302 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3725 BELFORD HWY SLATE 235-30A, CLAYTON, GA 30024-0000
142300782	BATES JAMES T III ET AL	4378 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4378 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142300796	POSER, ALENAK TRISA TOMSON	4378 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4378 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142300801	LAST-WEST CONSTRUCTION INC	4378 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4378 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142310000	SOUTH PONTE VEDRA LLC	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4800 BEACH BLVD STE 2, SAINT AUGUSTINE, FL 32087-0000
142310004	ASLAN REACH INVESTMENT LLC	4308, SAINT AUGUSTINE, FL 32084-0000	77 ALABAMA ST, SAINT AUGUSTINE, FL 32084-0000
142310004	THE VILANO BEACH LLC	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	925 REVERDOR AVENUE SW, JACKSONVILLE, FL 32209-0000
142310005	ASLAN BEACH LLC	4300 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	77 ALABAMA ST, SAINT AUGUSTINE, FL 32084-0000
142311008	MARCOZ USA LYNN FAMILY TRUST	4300 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 753, SAINT AUGUSTINE, FL 32084-0753
142320000	ORRMAN DONALD G, RANCY B	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	15414 PHASE B ANDERSON CYPRESS, TX 77429-0000
142320000	HOWARD, DEANES	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	12800 W CAMPBELL BLVD, JACKSONVILLE, FL 32223-0000
142320000	BEAR HEAD ENTERPRISES INC	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	12877 S HIGHWAY 47S, OCALA, FL 34460-0000
142320000	SCOVINO, T ROBERT	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142340000	CASA PROCAZOS LLC	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	308 W HIGHWAY 202N S, SANTA CRUZ, CA 95060-4328
142340000	GLEASON, JILL M	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142340000	BROWN, NANCY DAVIS ETAL	4404 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1861 ARDMORE PARK UNIT 5, ASHVILLE, NC 28801-0000
142340000	GRAVES, HARRY M III ETAL	4418 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	5862 JACOURS DR, JACKSONVILLE, FL 32217-2028
142340000	STUBBS, EUGENE L, CAROL B	4418 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 520, WOODBRIDGE, FL 32090-0202
142341000	SEATON BARBARA B LIVING TRUST	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142341000	HIDE PARK ROAD LLC	4400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	524 STOCKTON ST, JACKSONVILLE, FL 32206-0000
142341000	MURPHY, CARL J, FAYE G	4308 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	241 GUNNER CREEK TRAIL, FAYETTEVILLE, GA 30214-1018
142341000	COWAN, JOHN D, AMY B	4302 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1108 FAIRWAY ST, DOWLING GREEN, VA 24209-0000
142341000	MACAM ESTER S LIVING TRUST	4376 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4220 REDWOOD DR, JACKSONVILLE BEACH, FL 32250-1004
142341000	BULLOCK, JAMES B JR, ERVIN L***	4370 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4370 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142341000	WHELAN, THOMAS	4364 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	501 NW 200TH ST, GAINESVILLE, FL 32607-0000
142341000	SCHREIBER, SALLY	4348 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4348 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142341000	4342 COASTAL HIGHWAY LLC	4342 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	24 W CASTLE DR, SAINT AUGUSTINE, FL 32084-0000
142341000	JOSE M	4336 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4336 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142341000	GRANT, KEVIN WALTER TRUST D AND W/CHILD	4308 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	5048A WOODRIDGE, JACKSONVILLE, FL 32218-5074
142341000	WIGGINTON, WIGAL, STEPHANIE WOOD	4284 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4284 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142341000	NORTH BEACH	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142341000	FLORIDA BEACH HOME RENTALS	4200 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	441 E WOODHAVEN DR, PONTE VEDRA BEACH, FL 32080-0000
142341000	CHURCH, DANIEL M	4111 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4111 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142341000	POLENTE, JUDY M	4100 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1011 ST JAMES CROSSING IN, ATLANTA, GA 30319-0000
142341000	POLAND SUSAN POLAND LIVING TRUST	4000 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3800 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
142341000	BATH, RAYMOND Z ETAL	4070 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	2027 SABA, OAK LA, JACKSONVILLE, FL 32206-0000



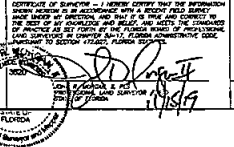
SEE SHEET 1 FOR NOTES

Morgan & Eklund Inc.
PROFESSIONAL SURVEY CONSULTANTS

4809 US HIGHWAY #1
SUITE 3
VERO BEACH, FL 32987
PHONE: (354) 421-6584
FAX: (772) 388-3165

1612 NW 2ND AVENUE
SUITE 3
BOCA RATON, FL 33432
PHONE: (561) 421-6584
FAX: (561) 421-0412

LD #4298



**ST JOHNS R102.5 TO R11.5
EROSION CONTROL LINE
ST JOHNS COUNTY, FLORIDA**

DATE: 8/27/19

SCALE: 1" = 100'

DRAWN BY LFP	CHECKED BY JRM	FIELD BOOK NO. 11 - 18	ST. JOHN'S CO. DATE 8/14/19	DATE OF SURVEY 8/14/19	SHEET 3 OF 7
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**MEAN HIGH WATER LINE
COORDINATE & ELEVATION VALUES**

POINT	NORTHING	EASTING	ELEVATION (NAVD 88)
550	2044024.23	898622.20	1.85
551	2043924.42	898647.89	1.25
552	2043824.61	898673.49	1.85
553	2043724.84	898699.26	1.85
554	2043624.91	898724.35	1.85
555	2043524.81	898749.65	1.85
556	2043424.30	898774.87	1.85
557	2043324.24	898799.13	1.85
558	2043224.85	898824.38	1.85
559	2043124.87	898849.19	1.85
560	2043024.68	898874.04	1.85
561	2042924.73	898898.57	1.85
562	2042824.59	898923.54	1.85
563	2042724.59	898948.20	1.85
564	2042624.51	898972.87	1.85
565	2042524.17	898997.47	1.85
566	2042424.51	899021.89	1.85
567	2042324.90	899046.33	1.85
568	2042224.43	899070.44	1.85
569	2042124.88	899094.78	1.85
570	2042024.36	899118.58	1.85
571	2041924.71	899142.21	1.85
572	2041824.58	899165.86	1.85
573	2041724.79	899189.14	1.85
574	2041624.32	899212.44	1.85
575	2041524.70	899235.33	1.85
576	2041424.74	899258.62	1.85
577	2041324.50	899281.90	1.85
578	2041224.84	899305.28	1.85
579	2041124.48	899328.17	1.85
580	2041024.51	899351.48	1.85
581	2040924.84	899374.55	1.85

PARCEL ID	OWNER NAME	SITE ADDRESS	MARKING ADDRESS
1454780000	UNION TRUST D-8-B-2019	1280 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	5000 W HIGHWAY 17 SOUTH BAY, FLEMING ISLAND, FL 32008-0000
1454800000	FRASER GIFFREY B, JOLEEN	4200 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4150 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1454820000	RANDI NIKI MICHAEL P, TERESA A	4200 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4240 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1454840000	ESTHER HOWARD L, WRELLA E	4200 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1891 PARK AVE, NEW YORK, NY 10015-0000
1454860000	USMA FRANK D TRUST ETAL	4200 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4322 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1454880000	MEYER JACQV M ***	4150 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	6718 OAKWOOD DR, JACKSONVILLE, FL 32211-0000
1454900000	PIEFEMAN ELIZABETH H ETAL	4150 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1000 AIA N STE 33, PONTE VEDRA BEACH, FL 32082-3287
1454920000	DWYER KATH	4150 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4150 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1454940000	LEWIS JOSEPH H ETAL	4150 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	414 CANTY WAY, DEL ANDO, FL 32052-0000
1454960000	LOH R EDWETH D, CONNIE R	4150 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4150 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1454980000	DAVID AGNES G	4130 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4130 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1455000000	WORTH BEACH INVEST INC	4125 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4125 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1455020000	GIFFREY JOHN RALPH D MD	302 Tenth St, SAINT AUGUSTINE, FL 32084-0000	1801 WETLANDER ST APT 223, SAN FRANCISCO, CA 94128-5277
1455040000	USMA FRANK D, ELIZABETH ETAL	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4125 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1455060000	BUCHANAN HAROLD GRAY TRUST ETAL	4070 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 8786, JACKSONVILLE, FL 32249-0000
1455080000	HUTCHINSON JENNIFER ETAL	4060 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3338 BURNHAM RD, CHILMARK, CA 94929-0000
1455100000	MALDRAN PAUL A	4060 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	2225 MILLER OAKS CT, JACKSONVILLE, FL 32217-0000
1455120000	RAILSBACK ELLENCE K (VGT TRUST D-8-24-83)	4060 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	C/O FRED ISAAC, 831 SAN JUAN DR, PONTE VEDRA BEACH, FL 32082-0000
1455140000	IRING LEGACY TRUST D-8-21-16	4060 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1314 94TH AVENUE, WABERON, WA 98048-0000
1455160000	ST JOHN CO CIVTY	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	5001 SH SEBASTIAN VIEW, SAINT AUGUSTINE, FL 32084-0000
1455180000	GENS LEGAL TRUST D-8-3-2006	4020 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	2834 96TH AVENUE NE, WABERON POINT, WA 98004-0000
1455200000	ROWE DAVID L, AMANDA M	4010 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4510 W DAJIE AVE, TAMPA, FL 33609-0000
1455220000	RUPINSIDE LARRY DAVID, DONNA	3790 D COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	209 E KARD CT, SAINT JOHN, FL 32258-2710
1455240000	BURNS DE LARRY DAVID, DONNA	3790 D COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1705 E EARL CT, SAINT JOHN, FL 32258-1118
1455260000	RODOLFS CANON R	3978 B COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1978 B COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1455280000	CAN NESTRA ANDREW F	3978 A COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4232 DATEGA FOREST DR, JACKSONVILLE, FL 32210-0000
1455300000	SATTS RESERV LTR CREDIT SHELTER TRUST	3766 A COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3888 RIVERSIDE AVE, JACKSONVILLE, FL 32205-9618
1455320000	SHAWN SHAWN ET AL	3766 A COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1855 SAINT PETERS RD, VALDOSTA, GA 31605-0000
1455340000	MARTIN JOHN H, MARTHA SUE	3766 A COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	7828 HUNTERS GROVE RD, JACKSONVILLE, FL 32256-0000

Morgan & Eklund Inc.
PROFESSIONAL SURVEY CONSULTANTS

4909 US HIGHWAY #1
VERO BEACH, FL 32907
PHONE: (772) 308-3344
FAX: (772) 388-3165

1612 HWY 2ND AVENUE
ROUTE 3
BOCA RATON, FL 33432
PHONE: (561) 368-3344
FAX: (561) 421-0425

STATE OF FLORIDA
Professional Seal
Morgan & Eklund Inc.
11/16/19

CONVEYANCE OF EVIDENCE - I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS ACCORDING WITH A REASONABLE BELIEF THAT THE SAME IS TRUE AND CORRECT AND THAT I AM NOT AWARE OF ANY FACTS OR CIRCUMSTANCES WHICH MIGHT CAUSE ME TO BELIEVE OTHERWISE. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY TO BEYOND MY BEST PROFESSIONAL JUDGMENT.

ST JOHNS R102.5 TO R117.5 EROSION CONTROL LINE ST JOHNS COUNTY, FLORIDA		CONVEYOR NO.
		35716-1
DRAWN BY LFP		SCALE
		1" = 100'
CHECKED BY JRM		DATE
		8/27/19
FIELD BOOK	ST JOHN 35	DATE OF SURVEY
11-18	11-18	8/14/19
SHEET 4 OF 7		

ASAP CONSULTING ENGINEERS, INC., 1000 N. W. 10TH AVE., SUITE 200, MIAMI, FL 33136



SEE SHEET 1 FOR NOTES

June 12



**MEAN HIGH WATER LINE
COORDINATE & ELEVATION VALUES**

POINT	NORTHING	EASTING	ELEVATION (NAVD 83)
582	2040824.85	580482.58	1.63
583	2040725.19	580915.47	1.63
584	2040924.53	580944.21	1.63
585	2040524.03	580973.23	1.63
586	2040424.64	580997.69	1.63
587	2040324.54	580825.44	1.63
588	2040224.53	580854.86	1.63
589	2040124.72	580881.29	1.63
590	2040024.68	580766.87	1.63
591	2039924.52	580732.25	1.63
592	2039825.09	580767.85	1.63
593	2039724.59	580796.83	1.63
594	2039624.81	580814.77	1.63
595	2039524.41	580854.99	1.63
596	2039424.84	580894.42	1.63
597	2039324.58	580914.37	1.63
608	2039224.44	580945.43	1.63
609	2039124.71	580973.07	1.63
600	2039024.77	581004.63	1.63
601	2038924.51	581034.32	1.63
602	2038824.50	581084.16	1.63
603	2038724.89	581095.01	1.63
604	2038624.97	581104.98	1.63
605	2038524.58	581126.14	1.63
606	2038424.83	581129.07	1.63
607	2038324.73	581129.32	1.63
608	2038224.54	581251.84	1.63
609	2038124.86	581281.38	1.63
610	2038024.71	581314.73	1.63
611	2037924.63	581346.83	1.63
612	2037824.54	581373.78	1.63
613	2037724.73	581402.49	1.63

PARCEL ID	OWNER NAME	SITE ADDRESS	MAPPING ADDRESS
146200079	TED CONROE	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	
146200080	ESTER L. SANWALD/VOICABLE QUALIFIED PERSONAL TRUST 2002	1860 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	2122 SW 75TH AVE, GAINESVILLE, FL 32609-0000
146200081	ERINOWATTE/BOHARD	8930 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	11995 LITTLE CREEK LN, JACKSONVILLE, FL 32223-7117
146200082	SEA V. JOSEPH G. COASTAL DUAL PEARL TRUST ET AL	8830 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4182 SHARLEY AVE, JACKSONVILLE, FL 32210-0000
146200083	ANTONIA T. TEOCENO, MARIA	7917 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3923 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
146200084	WAZETT W. WILLIAM SCOTT ET AL	8910 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	7910 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
146200085	TALIAFERRO ARTHUR COURTLAND	8900 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3890 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
146200086	LOCYNHOZE FRANK, IRMA	3880 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 557, SEDALIA, CO 87155-0000
146200087	MYTEL JOHN R, VALARIE E	3860 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	2870 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
146200088	SCOTT ROBERT KEVIN, BRANDI M	3860 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3860 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
146200089	BLODSOM KEY TRUST D/S 5-14-2002	3840 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	CARLSBAD, CA 92015-0000
146200090	WALLACE WILLIAM IV ET AL	3830 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3830 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
146200091	MICHON PAULA TRUESDALE REVELY TRUST	3820 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1804 CEDAR CREEK DR, JACKSONVILLE, FL 32209-0000
146200092	BEN HAROLD MICHAEL J, BILLY L	3810 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	7727 FOREST HILL LN, JACKSONVILLE, FL 32205-0000
146200093	SHIRE VANDANA Y	3790 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1038 OXFORD DR, SAINT AUGUSTINE, FL 32084-0000
146200094	PAS BANARASEE LIVING TRUST D/S 7/29/06	3780 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	7709 WATERHARRE LN S, JACKSONVILLE, FL 32256-4109
146200095	SAH HODINGS LLC	3750 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1481 S MARSH AVE, BEYONN, IL 60005-2247
146200096	POWERY ROGEE E	3720 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	HWY 175R 95, 89313 KIRCHZELL, GERMANY
146200097	AMENDIAGHIE MICHAEL, MARILYN	3700 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	11535 CRYSTAL MORRIS BLVD STE 200, DAYTONA BEACH, FL 32119-1510
146200098	ST JOHNS COUNTY	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	500 SAN SEBASTIAN VFW, SAINT AUGUSTINE, FL 32084-0000
146200099	ST JOHNS COUNTY	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	500 SAN SEBASTIAN VFW, SAINT AUGUSTINE, FL 32084-0000
146200100	ST JOHNS COUNTY	8600 COASTAL HWY, COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	500 SAN SEBASTIAN VFW, SAINT AUGUSTINE, FL 32084-0000

ST. JOHNS COUNTY, FLORIDA



SEE SHEET 1 FOR NOTES

Morgan & Eklund Inc.
PROFESSIONAL SURVEY CONSULTANTS

4800 US HIGHWAY #1
VERO BEACH, FL 32987
PHONE: (888) 421-5585
FAX: (772) 385-3165

1612 NW 2ND AVENUE
BOCA RATON, FL 33432
PHONE: (954) 421-5585
FAX: (954) 421-0425

STATE OF FLORIDA
PROFESSIONAL SURVEYOR
NO. 11878

**ST JOHNS R102.5 TO R117.5
EROSION CONTROL LINE
ST JOHNS COUNTY, FLORIDA**

CONTRACT NO. 35716-1
SCALE 1" = 100'
DATE 8/27/19
SHEET 5 OF 7

DESIGNED BY LFF
CHECKED BY JRM
FIELD BOOK ST JOHN 36
PRICE NO. 11 - 18
DATE OF SURVEY 8/16/19



MEAN HIGH WATER LINE COORDINATE & ELEVATION VALUES (NAD 83)			
POINT	NORTHING	EASTING	ELEVATION
813	2037724.73	561402.49	1.65
814	2037824.80	561402.99	1.65
815	2037924.24	561402.18	1.65
816	2037424.23	561401.68	1.65
817	2037324.61	561528.18	1.65
818	2037224.45	561502.50	1.65
819	2037124.63	561503.05	1.65
820	2037024.18	561523.08	1.65
821	2036924.68	561658.37	1.65
822	2036824.69	56189.16	1.65
823	2037724.05	561721.62	1.65
824	2036628.33	561721.67	1.65
825	2036524.94	561721.33	1.65
826	2036424.53	56181.88	1.65
827	2036324.87	561547.05	1.65
828	2036224.24	561880.82	1.65
829	2036124.56	56181.87	1.65
830	2036028.27	561844.40	1.65
831	2035924.80	561914.56	1.65
832	2035824.77	561908.83	1.65
833	2035724.79	562008.91	1.65
834	2035624.62	562072.83	1.65
835	2035524.49	562104.06	1.65
836	2035424.90	562134.73	1.65
837	2035324.40	562170.12	1.65
838	2035224.67	562205.88	1.65
839	2035124.60	562238.94	1.65
840	2035024.47	562280.91	1.65
841	2034924.52	562304.52	1.65
842	2034824.79	562340.51	1.65
843	2034724.50	562378.48	1.65
844	2034624.71	562412.65	1.65
845	2034524.46	562451.21	1.65

PARCEL ID	OWNER NAME	SITE ADDRESS	MAILING ADDRESS
1424000001	VILLAGES OF VILANO HOMEOWNERS ASSOCIATION INC	101 VILLAGE DR, SAINT AUGUSTINE, FL 32084-0000	3942 ALA S, SAINT AUGUSTINE, FL 32084-0003
1424000002	KALLES MATT	1300 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	2 PRING RD TRAIL CL, ARDOR, NC 28704-0749
1424000003	WILCOX MORTGAGE TRUST 2007-2	1370 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	VALET TRPY, 8700 RIVER LAKE DR, WEST PALM BEACH, FL 33411-0000
1424000004	THOMAS ARCHIBALD, MARTHA A	1350 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4653 SAULSBURY RD STE 205, JACKSONVILLE, FL 32216-0000
1424100001	KODJE BIRNIDA J BRYNEN	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3066 REGINA RD, JACKSONVILLE, FL 32257-6070
1424200001	HEART LARA LEE TRUST	1830 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	2821 TALL MAPLE LOOP, DUNEDO, FL 32785-0000
1424300001	STOKES GARDEN D ET AL	1300 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	31260 ACACIA RD, JACKSONVILLE, FL 32224-0000
1424400001	BRINCONI RONALD J, SARA H	1408 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3643 MINDEOLA DR, SASSACOTA, FL 32439-0000
1424500001	RUENO L LLC	1404 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	4328 E ALL ENING JR DR, WINNEVILLE, GA 31153-3635
1424600001	MC MARTIN FIRSINA F, GRAY P	1407 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1424700001	DELORENZO WALMA R REVOCABLE TRUST OF 1995	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	30 OCEAN WAY, SAINT AUGUSTINE, FL 32089-6504
1424800001	DELORENZO WALMA R REVOCABLE TRUST OF 1995	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	30 OCEAN WAY, SAINT AUGUSTINE, FL 32089-6504
1424900001	MC DOAN SANDS HENRIETY D C	1405 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3465 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1425000001	WASS COASTAL HIGHWAY LAND TRUST	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	19 OGDANSON AVE, SAINT AUGUSTINE, FL 32084-0000
1425100001	LUYS MARY M, EWEN ***	1400 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	173 SHADY BRANCH TRAIL, ORCHARD BEACH, FL 32174-0000
1425200001	TUTT DEP	1410 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	16400 WILSON AVE, SAINT AUGUSTINE, FL 32084-0000
1425300001	WATSON WALTER MARITAL TRUSTA	1408 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	253 SOUTHBEND RD, PALM BEACH, FL 33480-3417
1425400001	TUTT DEP	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	15400 WILSON AVE, SAINT AUGUSTINE, FL 32084-0000
1425500001	ST JOHN'S COUNTY	COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	100 SAN SEBASTIAN YW, SAINT AUGUSTINE, FL 32084-0000
1425600001	TISDALE RICHARD M	1340 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 444, METROPE, FL 32066-0000
1425700001	TISDALE RICHARD M	1420 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 444, METROPE, FL 32066-0000
1425800001	TISDALE RICHARD M	1312 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 444, METROPE, FL 32066-0000
1425900001	SEVART GREG S, PATRICIA K	1308 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3304 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1426000001	SEVART GREG S, PATRICIA K	1304 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3304 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1426100001	COASTAL HWY LLC	1300 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	2130 WASHINGTON AVE, PHOENIX, ARIZONA, FL 33154-0000
1426200001	LONDON, JAMES M REVOCABLE TRUST D-12-37-2018	1200 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	8024 S SAINT 721, SAINT AUGUSTINE, FL 32086-7400
1426300001	811 OF JACKSONVILLE LLC	1178 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 2821, POINTE VIEUX BEACH, FL 32064-2821
1426400001	DOLL CHARLES E, CYNTHIA A	1172 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 60035, JACKSONVILLE, FL 32209-0035
1426500001	SMITH LIGHTING BEAUTY LLC	1154 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	5669 W WICKLEWOOD, ORLANDO, FL 32811-0000



SEE SHEET 1 FOR NOTES

Morgan & Eklund Inc.
PROFESSIONAL SURVEY CONSULTANTS

4909 US HIGHWAY #1
VENO RD, BEACH, FL 32207
PHONE: (772) 398-5354
FAX: (772) 368-3155

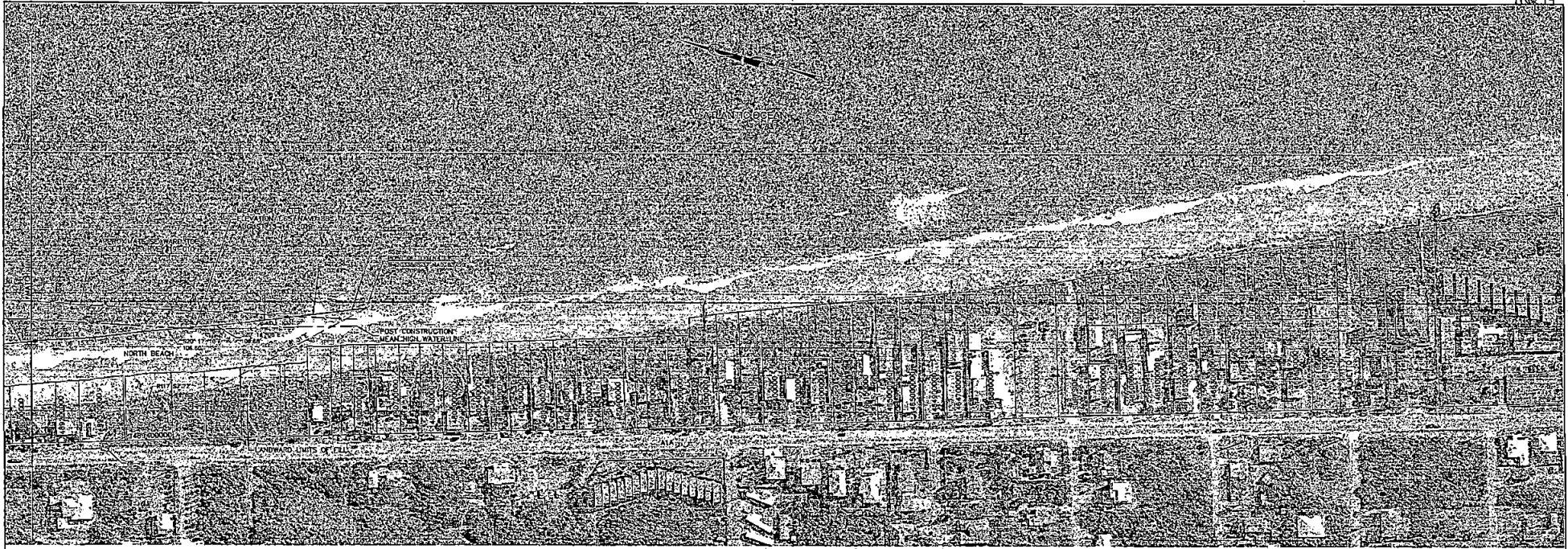
1612 NW 2ND AVENUE
SUITE 3
BOCA RATON, FL 33432
PHONE: (854) 421-5882
FAX: (854) 421-0425

LB #4298

STATE OF FLORIDA
COUNTY OF ST. JOHNS
I, JRM, Surveyor
do hereby certify that I am a duly licensed Professional Surveyor in the State of Florida.
My Commission Expires 08/14/19

**ST JOHNS R102.5 TO R117.5
EROSION CONTROL LINE
ST JOHNS COUNTY, FLORIDA**

DRAWN BY LFP	CHECKED BY JRM	FIELD BOOK PAGE NO.	ST. JOHN 38 11 - 18	DATE OF SURVEY 8/14/19	CONNECTION NO. 35716-1
SCALE 1" = 100'					DATE 8/27/19
					SHEET 6 OF 7



MEAN HIGH WATER LINE
COORDINATE & ELEVATION VALUES

POINT	NORTHING	EASTING	ELEVATION (NAVD 88)
645	2034524.46	562491.21	1.85
646	2034614.30	562483.89	1.85
647	2034524.73	562523.82	1.85
648	2034224.74	562560.88	1.85
649	2034144.64	562597.78	1.85
650	2034024.51	562637.70	1.85
651	2033924.82	562677.84	1.85
652	2033885.27	562701.98	1.85

PARCEL ID	OWNER NAME	STREET ADDRESS	MAPPING ADDRESS
1489200000	KAPLER BAREN ELIZABETH	3250 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	3250 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000
1489300000	VILAND BEACHHOUSE LLC	3282 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 51347, JACKSONVILLE BEACH, FL 32240-1140
1489400000	COLE DAVID W JR LIVING TRUST	3244 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	PO BOX 51347, JACKSONVILLE BEACH, FL 32240-1140
1489500000	JA LAND TRUST	3240 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	C/O FRANK R KEALER JR TRUSTEE, PO BOX 51347, JACKSONVILLE BEACH, FL 32240-1140
1489600000	JA LAND TRUST	3242 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	C/O FRANK R KEALER JR TRUSTEE, PO BOX 51347, JACKSONVILLE BEACH, FL 32240-1140
1489700000	SEVINT NICHOLAS JAMES	3204 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	7000 LEVINS SP EDWAY, SAINT AUGUSTINE, FL 32084-0000
1489800000	SAVATHI LIVING TRUST 008-00-2014	3202 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	1956 FOREST HOLLOW, PISCATAWAY, NJ 08854-0000
1489900000	LLOYD JOHN H	3218 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	115848 DEXTER AVE, ATLANTA, GA 30356-0000
1490000000	BEACH HOUSE TRUST	3208 COASTAL HWY, SAINT AUGUSTINE, FL 32084-0000	132 SURFSIDE AVE, SAINT AUGUSTINE, FL 32084-2331



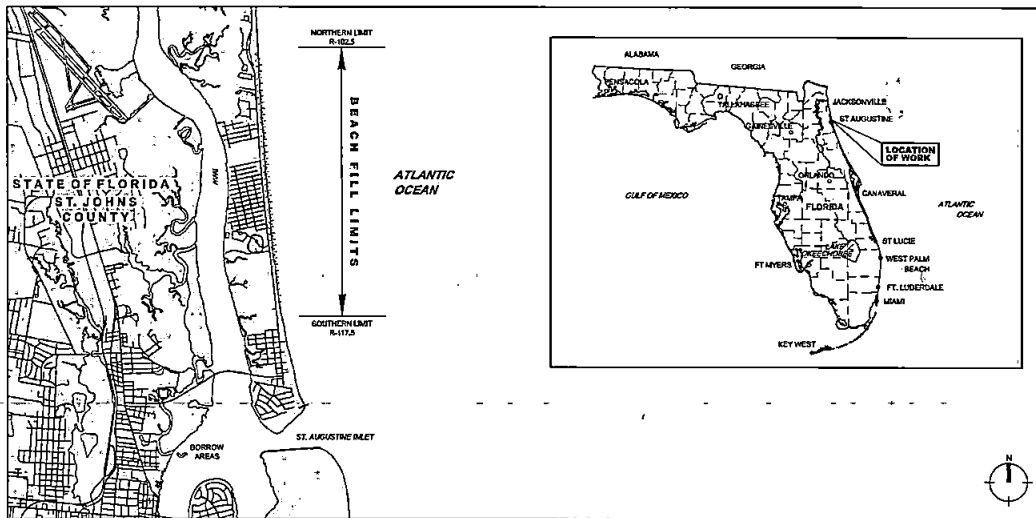
SEE SHEET 1 FOR NOTES

<p>Morgan & Eklund Inc. PROFESSIONAL SURVEY CONSULTANTS</p> <p>4809 ILC HIGHWAY #1 VERO BEACH, FL 32957 PHONE: (772) 386-3544 FAX: (772) 388-3105</p> <p>1812 NW 25th AVENUE SUITE 3 BOCA RATON, FL 33432 PHONE: (561) 421-0882 FAX: (561) 421-0423</p> <p>JOHN S. MORGAN & PETER FLORIDA CERTIFICATION #1200</p>	<p><small>CERTIFICATE OF SURVEYOR - I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE AND TRUTHFUL AND WAS OBTAINED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED SURVEYOR IN THE STATE OF FLORIDA. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY OF ANY KIND, INCLUDING BUT NOT LIMITED TO, THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY OF ANY KIND, INCLUDING BUT NOT LIMITED TO, THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.</small></p> <p><i>[Signature]</i> 11/15/19</p>	<p>ST JOHNS R102.5 TO R117.5 EROSION CONTROL LINE ST JOHNS COUNTY, FLORIDA</p>		<p>COMMISSION NO. 35716-1</p>
		<p>DATE 8/27/19</p>	<p>SCALE 1" = 100'</p>	<p>DATE OF SURVEY 8/14/19</p>



US Army Corps
of Engineers®
JACKSONVILLE DISTRICT

COASTAL STORM RISK MANAGEMENT PROJECT SOUTH PONTE VEDRA AND VILANO BEACH INITIAL CONSTRUCTION 2020 ST. JOHNS COUNTY, FLORIDA



SOLICITATION NO.: GROUP1-18-R-J0015

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GENERAL	
G-01	COVER AND SHEET INDEX
G-02	TERMS, ABBREVIATIONS, AND GENERAL SYMBOLOLOGY
G-03	PROJECT NOTES
G-04	PROJECT OVERVIEW
G-05	CONTROL DATA - STA. 1020+00 TO STA. 1087+00
G-06	CONTROL DATA - STA. 1087+00 TO STA. 1150+00
G-07	CONTROL DATA - STA. 1150+00 TO STA. 1187+58
G-08	CONTROL DATA - LANDWARD LIMIT OF FILL - STA. 1020+00 TO STA. 1037+00
G-09	CONTROL DATA - LANDWARD LIMIT OF FILL - STA. 1037+00 TO STA. 1063+00
G-10	CONTROL DATA - LANDWARD LIMIT OF FILL - STA. 1063+00 TO STA. 1088+00
G-11	CONTROL DATA - LANDWARD LIMIT OF FILL - STA. 1088+00 TO STA. 1114+00
G-12	CONTROL DATA - LANDWARD LIMIT OF FILL - STA. 1114+00 TO STA. 1139+00
G-13	CONTROL DATA - LANDWARD LIMIT OF FILL - STA. 1139+00 TO STA. 1165+00
G-14	CONTROL DATA - LANDWARD LIMIT OF FILL - STA. 1165+00
CIVIL	
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C-02	BEACH FILL PLAN - STA. 1037+00 TO STA. 1063+00
C-03	BEACH FILL PLAN - STA. 1063+00 TO STA. 1088+00
C-04	BEACH FILL PLAN - STA. 1088+00 TO STA. 1114+00
C-05	BEACH FILL PLAN - STA. 1114+00 TO STA. 1139+00
C-06	BEACH FILL PLAN - STA. 1139+00 TO STA. 1165+00
C-07	BEACH FILL PLAN - STA. 1165+00 TO SHEET C-08
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C-09	PIPELINE CORRIDOR PLAN
C-10	PIPELINE CORRIDOR PLAN
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C-18	BEACH PROFILES - R-115 TO R-117
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C-20	BORROW AREA - IWW SHOAL
C-21	BORROW AREA - NORTH FLOOD SHOAL AND IWW WIDENER
C-22	BORROW AREA - DAVIS SHOAL



US Army Corps
of Engineers®

NO.	DATE	REVISION

ISSUE DATE:	4/12/2018
DESIGNED BY:	SAUL MATHIAS
DRAWN BY:	SAUL MATHIAS
CHECKED BY:	SAUL MATHIAS
APPROVED BY:	SAUL MATHIAS
PROJECT NO.:	GROUP1-18-R-J0015
SHEET NO.:	1
TITLE:	COVER AND SHEET INDEX

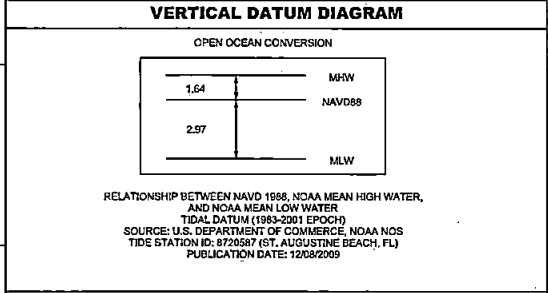
U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT
ST. JOHNS COUNTY, FLORIDA
COASTAL STORM RISK MANAGEMENT PROJECT
SOUTH PONTE VEDRA AND VILANO BEACH
INITIAL CONSTRUCTION 2020
ST. JOHNS COUNTY, FLORIDA
GENERAL
COVER AND SHEET INDEX

SHEET ID
G-01

DRAWING SET TABLE OF CONTENTS

DISCIPLINE DESIGNATOR	
G	GENERAL
C	CIVIL

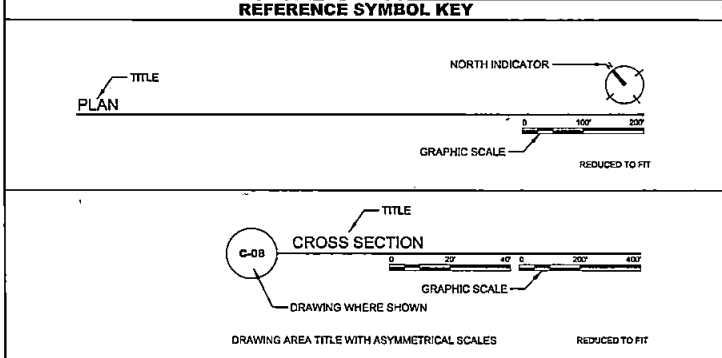
TERMS AND ABBREVIATIONS	
CBL	CONSTRUCTION BASELINE
CSRM	COASTAL STORM RISK MANAGEMENT
DWG	DRAWING
E	EAST
ELEV	ELEVATION
ECL	EROSION CONTROL LINE
ENV	ENVIRONMENTAL
EOB	EDGE OF BERM
EXIST	EXISTING
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
LLOF	LANDWARD LIMIT OF FILL
MHW	MEAN HIGH WATER
MHWL	MEAN HIGH WATER LEVEL
MLW	MEAN LOW WATER
N	NORTH
NADS83	NORTH AMERICAN DATUM OF 1983
NAVD83	NORTH AMERICAN VERTICAL DATUM OF 1988
NTS	NOT TO SCALE
OC	ON CENTER
PI	POINT OF INTERSECTION
PT	PRESSURE TREATED
RGE	RANGE
S	SOUTH
STA	STATIONING
TOL	TOLERANCE
TYP	TYPICAL
USACE	U S ARMY CORPS OF ENGINEERS
USCG	U S COAST GUARD
W	WEST



LEGEND - AIDS TO NAVIGATION	
	RED LIGHTED BUOY / GREEN LIGHTED BUOY
	GREEN DAY BEACON
	NUN BUOY

PROJECT LEGEND	
BEACH FILL AREA (PLAN VIEW)	
BEACH FILL AREA (PROFILE VIEW)	
EXISTING GRADE	
AVOIDANCE AREA WITH BUFFER	
PIPELINE CORRIDOR	
APPROXIMATE TOE OF FILL	
VIBRACORE BORING	
GRAB SAMPLE	
DUNE VEGETATION (PLAN VIEW)	
DUNE VEGETATION (PROFILE VIEW)	
ECL - PLAN SHEETS	
STAGING AND ACCESS AREA	
BORROW AREA TARGET DEPTHS	
EXISTING GRADE	
EXISTING CONTOUR LINE WITH NOTATION	
SOUNDING / ELEV.	
EBB - FLOOD	
LOCATION FALLS OFF PAGE	
NO EASEMENT	
PUBLIC ACCESS FOR POST & ROPE, AND DUNE SIGNS, SEE SPECIFICATION 02 83 20 DUNE PROTECTION FOR DETAILS	
PUBLIC ACCESS TO INCLUDE INFORMATIONAL AWARENESS SIGN, SEE SPECIFICATION 02 83 20 DUNE PROTECTION FOR DETAILS	

IDENTITY SYMBOL KEY	
	CONSTRUCTION BASELINE POINT WITH STATIONING
	EROSION CONTROL LINE / POINT
	LANDWARD LIMIT OF FILL LINE / POINT
	FILL SLOPE 1" VERTICAL TO 10' HORIZONTAL
	FILL SLOPE INDICATOR SYMBOL
	FDEP RANGE MONUMENT WITH AZMETH BEARING



US Army Corps of Engineers

DATE	DESCRIPTION

ISSUE DATE					
DESIGNER					
DRIVER					
CHECKER					
DATE					

U.S. ARMY CORPS OF ENGINEERS
101 SOUTH BRIDGE BLVD
FORT MONROE DISTRICT
JACKSONVILLE, FL 32207
JACOBSVILLE, FL 32077

GENERAL CONTRACTOR:

GENERAL CONTRACTOR:

GENERAL CONTRACTOR:

SHEET ID

G-02

GENERAL NOTES

BEACH SURVEY NOTES

BORROW AREA SURVEY NOTES

1. THIS PROJECT WAS DESIGNED BY THE JACKSONVILLE DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-4-6152.
2. ALL PLANIMETRIC LAND FEATURES DEPICTED ON THESE PLANS ARE FOR INFORMATION ONLY AND WERE NOT PHYSICALLY LOCATED BY SURVEY UNLESS OTHERWISE INDICATED.
3. UNLESS OTHERWISE STATED, THE SPATIAL COORDINATES SHOWN HEREIN ARE IN U.S. SURVEY FEET AND REFERENCE THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE (6601) AND ARE REFERENCED TO THE 2011 ADJUSTMENT OF THE NORTH AMERICAN DATUM OF 1983 (NAD83(2011)).
4. DESIGN ELEVATIONS ARE IN U.S. SURVEY FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). ALL ELEVATIONS SHOWN ABOVE REFERENCED DATUM WILL BE ASSIGNED THE PLUS SYMBOL (+). ELEVATIONS BELOW THE REFERENCED DATUM ARE NOT ASSIGNED A SYMBOL.
5. BERM WIDTHS ARE MEASURED ALONG ESTABLISHED AZIMUTHS OF FEEDS RANGE MONUMENTS. POSITIVE VALUES INDICATE SEAWARD DISTANCE.
6. 2016 AND 2019 AERIAL PHOTOGRAPHY SHOWN FOR GENERAL INFORMATION ONLY AND NOT TO BE USED FOR MEASUREMENTS.

1. REFER SURVEY NO. 19-237, ST. JOHNS COUNTY, FLORIDA.
2. SURVEY WAS PERFORMED BY DEGROVE SURVEYORS, INC., BETWEEN THE DATES 17 OCTOBER AND 04 NOVEMBER, 2018.
3. HORIZONTAL COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, REALIZATION OF 2011, NAD83 (2011), AND ARE REPORTED IN THE STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE.
4. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. ALL POSITIONS AND ELEVATIONS ARE EXPRESSED IN THE UNITS OF U.S. SURVEY FEET.
6. THE SURVEY INCLUDED PROFILES OF RANGE LINES BEGINNING 500' NORTH OF AND PARALLEL TO R-101 ON THE NORTH END AND RUNNING THROUGH 500' SOUTH OF AND PARALLEL TO R-119 AT THE SOUTH END. REFER TO PLAN SHEETS FOR A DEPICTION OF THESE DATA SHOWN AS SPOT ELEVATIONS.
7. ALL TOPOGRAPHIC DATA WAS COLLECTED VIA RTK GPS.
8. ALL HYDROGRAPHIC DATA WAS COLLECTED WITH AN ODOM CV100 DUAL FREQUENCY 200/30 KHZ TRANSDUCER, AIDED BY RTK GPS POSITIONING AND REAL-TIME TIDE MEASUREMENTS AND AN APPLIX POS MV SURFMASTER MOTION COMPENSATOR.
9. THE INFORMATION DEPICTED ON THESE DRAWINGS REPRESENTS THE RESULT OF THE SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.
10. ADDITIONS OR DELETIONS TO THE SURVEY MAPS OR REPORT BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

1. REFER TO SURVEY NO. 20-004.
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. NOAA TIDAL STATION 872-0554 USED FOR THE ENTIRE PROJECT (PID: DL5712)
4. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO NAVD88. A TIDE STAFF PREVIOUSLY SET FROM SURVEY MONUMENT 872 0554 BY LOCATED ON A WOODEN PILING SOUTH OF THE CONTROL POINT, WAS USED TO VERIFY RTK TIDES PRIOR TO SURVEYING.
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:
REFERENCE BASE LOCATED AT "J SHERIFF" (PID: BBC150)
7. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMARTSOUNDER DUAL-FREQUENCY 200/30 KHZ SINGLE-BEAM TRANSDUCER. ALL DEPTHS SHOWN ARE IN HIGH FREQUENCY.

VESSEL DATE OF SURVEY CUT
SR-5011 OCT 2019 INW CUTS 28 & 28A, FLOOD SHOAL, DAVIS SHORES SHOAL
8. AIDS TO NAVIGATION WERE COLLECTED DURING THIS SURVEY.
9. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY.
10. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 2013.



DATE	DESCRIPTION

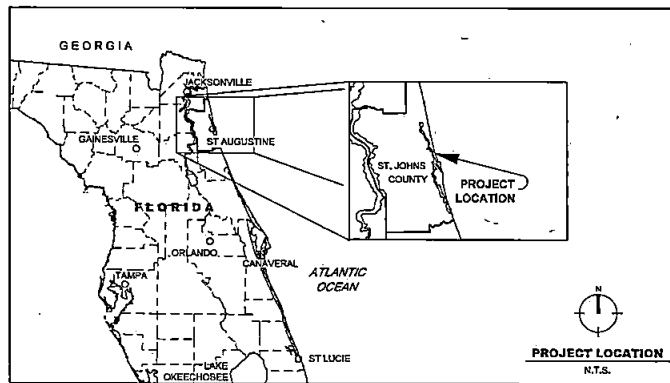
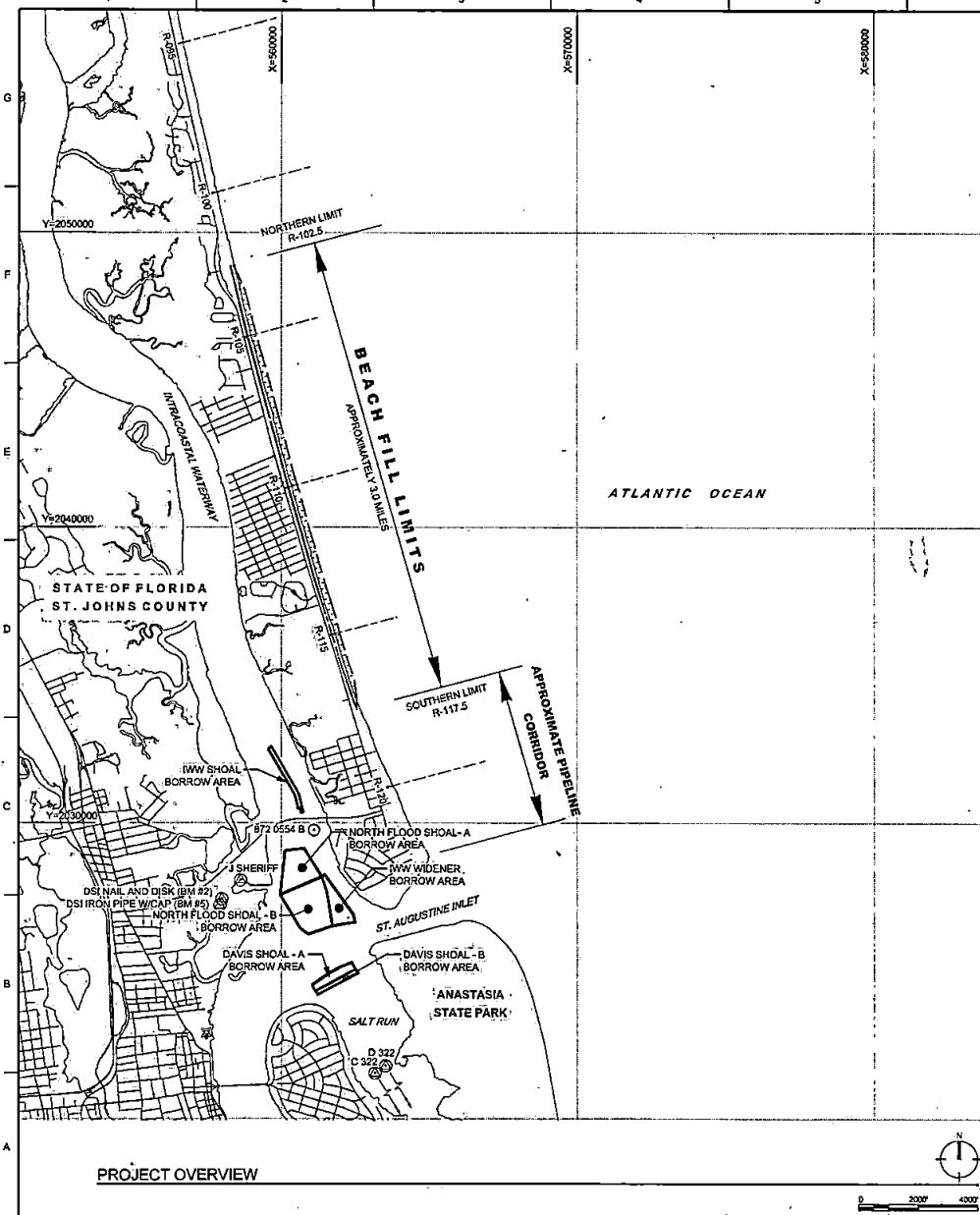
DESIGNER: D. DEARLY	CHECKED BY: D. DEARLY	DATE: 4/17/2020
SCALE FOR THIS DRAWING: AS SHOWN	CONTRACT NO. 27	PROJECT NO. 009-001
DATE: 4/17/2020		

U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT
700 SAN JUAN BLVD
JACKSONVILLE, FL 32207

COASTAL STORM RISK MANAGEMENT PROJECT
SOUTH OF R-101 BEACH
RECONSTRUCTION 2018
ST. JOHNS COUNTY, FL

GENERAL
PROJECT NOTES

SHEET ID
G-03



SURVEY CONTROL (USACE SURVEY 20-004)

DESIGNATION	PID	NORTHING	EASTING	NAVDB83	MLLW
J. SHERIFF	BBCJ50	2,028,071.68	588,618.78	4.11	N/A
872 0554 B	ELS712	2,029,750.5C	581,110.5C	12.65	15.54

⊕ HORIZONTAL AND VERTICAL CONTROL POINT
 ○ VERTICAL CONTROL / TIDE CALIBRATION POINT

NOTE: "SC" INDICATES A SCALED HORIZONTAL POSITION; DO NOT USE FOR HORIZONTAL CONTROL.

SURVEY CONTROL (USACE SURVEY 19-237)

DESIGNATION	PID	NORTHING	EASTING	NAVDB83
D 322	A00346	2,008,138.08	571,958.17	10.07
C 322	A00347	2,007,663.78	571,591.08	7.51
DSI NAIL AND DISK (BM #2)	N/A	2,028,312.67	587,987.68	5.82
DSI IRON PIPE W/CAP (BM #5)	N/A	2,028,100.53	587,925.48	6.03

⊕ HORIZONTAL AND VERTICAL CONTROL POINT



US Army Corps of Engineers

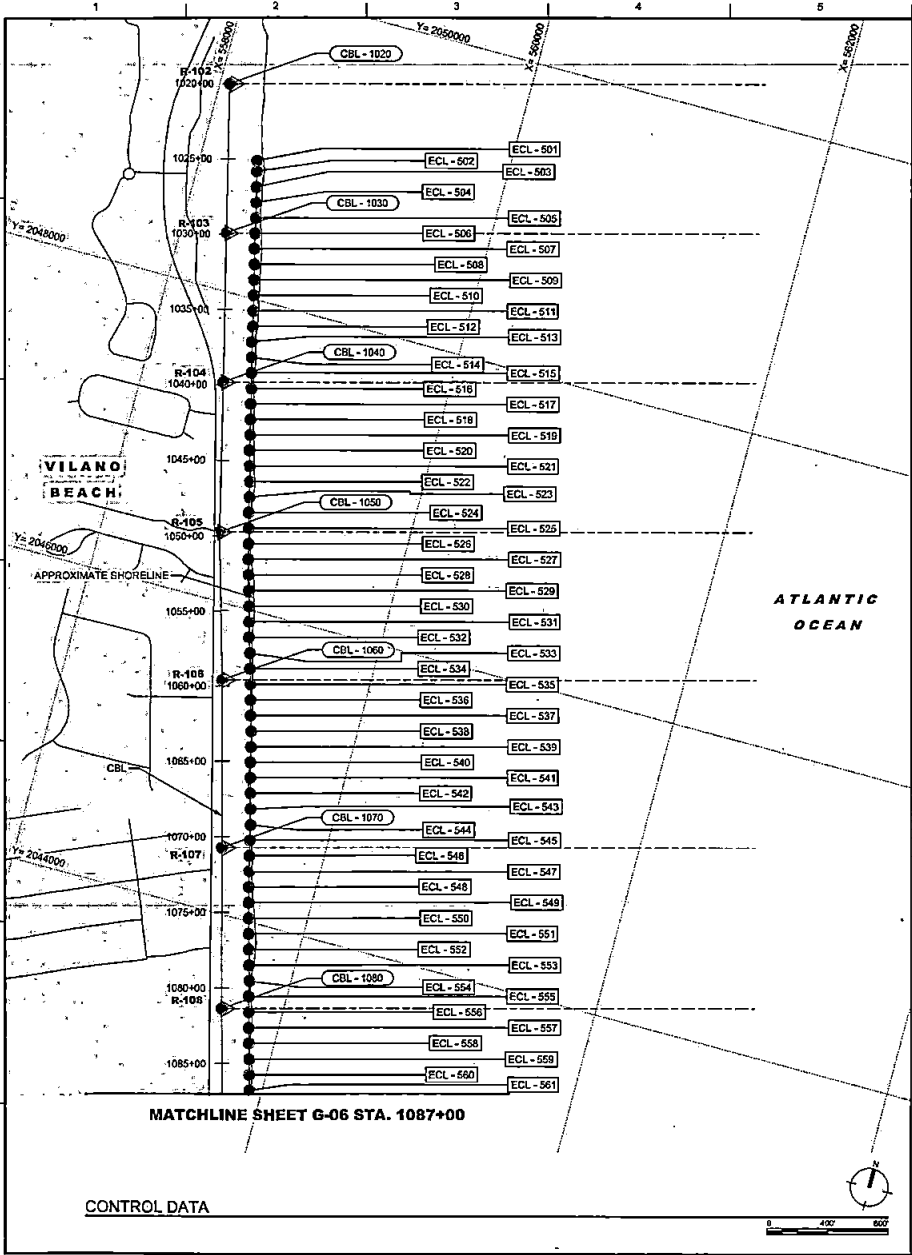
ISSUE DATE:	DATE:
SOLICITATION NO.:	PROJECT NAME:
GROUP / PLAN NO.:	PROJECT NO.:
NO.:	ISSUED DATE:
DATE:	ISSUED DATE:

DESIGNED BY:	DATE:
DRAWN BY:	DATE:
CHECKED BY:	DATE:
APPROVED BY:	DATE:

U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT
 SOUTH FLORIDA AND PANAMA BEACH
 ST. JOHNS COUNTY, FL
 GENERAL
 PROJECT OVERVIEW AND SURVEY CONTROL

SHEET ID
G-04

\\P:\COE-SUPP\F02\AX\g\k\usace\army.mt\SA\FWD\document\Store Protection Project\St Johns Co-1131725\Beach Reinforcement 2019 - Vtano Beach\03 - Plans\01 General\G-04



EROSION CONTROL LINE (ECL)			
NAD83 (2011) - STATE PLANE COORDINATES FLORIDA EAST U.S. SURVEY FEET			
PT.	(Y) - NORTHING	(X) - EASTING	
ECL - 601	2,048,893.89	556,374.49	
ECL - 602	2,048,824.46	556,390.69	
ECL - 603	2,048,724.25	556,415.51	
ECL - 604	2,048,624.31	556,438.83	
ECL - 605	2,048,524.74	556,464.87	
ECL - 606	2,048,424.33	556,486.26	
ECL - 607	2,048,324.56	556,508.08	
ECL - 608	2,048,224.80	556,536.64	
ECL - 609	2,048,124.43	556,559.12	
ECL - 610	2,048,025.01	556,584.44	
ECL - 611	2,047,924.53	556,607.62	
ECL - 612	2,047,824.02	556,631.86	
ECL - 613	2,047,724.12	556,652.88	
ECL - 614	2,047,624.81	556,677.85	
ECL - 615	2,047,524.91	556,703.80	
ECL - 616	2,047,424.40	556,730.19	
ECL - 617	2,047,324.52	556,752.49	
ECL - 618	2,047,224.39	556,775.58	
ECL - 619	2,047,123.79	556,800.97	
ECL - 620	2,047,024.43	556,823.68	
ECL - 621	2,046,925.18	556,852.29	
ECL - 622	2,046,824.37	556,879.23	
ECL - 623	2,046,724.34	556,903.70	
ECL - 624	2,046,624.71	556,925.47	
ECL - 625	2,046,524.85	556,952.58	
ECL - 626	2,046,425.07	556,978.18	
ECL - 627	2,046,324.86	556,993.54	
ECL - 628	2,046,224.66	556,993.24	
ECL - 629	2,046,124.95	556,990.90	
ECL - 630	2,046,024.85	556,990.38	
ECL - 631	2,045,924.75	556,987.27	
ECL - 632	2,045,824.51	556,981.09	
ECL - 633	2,045,724.91	556,975.37	
ECL - 634	2,045,624.52	556,970.32	
ECL - 635	2,045,524.54	556,964.64	
ECL - 636	2,045,424.50	556,959.30	
ECL - 637	2,045,324.47	556,954.28	
ECL - 638	2,045,224.67	556,949.36	
ECL - 639	2,045,124.85	556,944.61	
ECL - 640	2,045,024.38	556,939.85	
ECL - 641	2,044,925.14	556,935.12	
ECL - 642	2,044,824.89	556,930.42	
ECL - 643	2,044,724.98	556,925.72	
ECL - 644	2,044,624.47	556,921.02	
ECL - 645	2,044,524.44	556,916.32	
ECL - 646	2,044,424.48	556,911.61	
ECL - 647	2,044,324.27	556,906.91	
ECL - 648	2,044,224.54	556,902.20	
ECL - 649	2,044,124.34	556,897.50	
ECL - 650	2,044,024.23	556,892.80	
ECL - 651	2,043,924.42	556,888.10	
ECL - 652	2,043,824.61	556,883.40	
ECL - 653	2,043,724.34	556,878.70	
ECL - 654	2,043,624.51	556,874.00	
ECL - 655	2,043,524.61	556,869.30	
ECL - 656	2,043,424.20	556,864.60	
ECL - 657	2,043,324.24	556,859.90	
ECL - 658	2,043,224.65	556,855.20	
ECL - 659	2,043,124.82	556,850.50	
ECL - 660	2,043,024.66	556,845.80	
ECL - 661	2,042,924.73	556,841.10	

FDEP RANGE MONUMENT CONTROL			
NAD83 - STATE PLANE COORDINATES FLORIDA EAST U.S. SURVEY FEET			
POINT	(Y) - NORTHING	(X) - EASTING	AZIMUTH (DEGREES)
R-102	2,049,348.97	556,103.42	75
R-103	2,048,381.47	556,321.91	75
R-104	2,047,202.02	556,557.68	75
R-105	2,046,454.35	556,792.65	75
R-106	2,045,513.28	556,973.67	75
R-107	2,044,435.73	559,357.69	75
R-108	2,043,488.20	559,630.27	75

ALL AZIMUTHS ARE GRID MEASURED CLOCKWISE FROM NORTH

CONSTRUCTION BASELINE (CBL)			
NAVD88 - STATE PLANE COORDINATES FLORIDA EAST - U.S. SURVEY FEET			
PT.	(Y) - NORTHING	(X) - EASTING	CBL STATIONING
CBL - 1020	2,049,340.76	556,064.82	1020+00.00
CBL - 1030	2,048,378.24	556,301.99	1029+91.29
CBL - 1040	2,047,417.26	556,538.67	1039+83.58
CBL - 1050	2,046,449.36	556,772.54	1049+75.74
CBL - 1060	2,045,504.33	559,043.13	1059+58.74
CBL - 1070	2,044,428.00	559,328.37	1070+73.23
CBL - 1080	2,043,400.70	559,602.89	1081+35.56



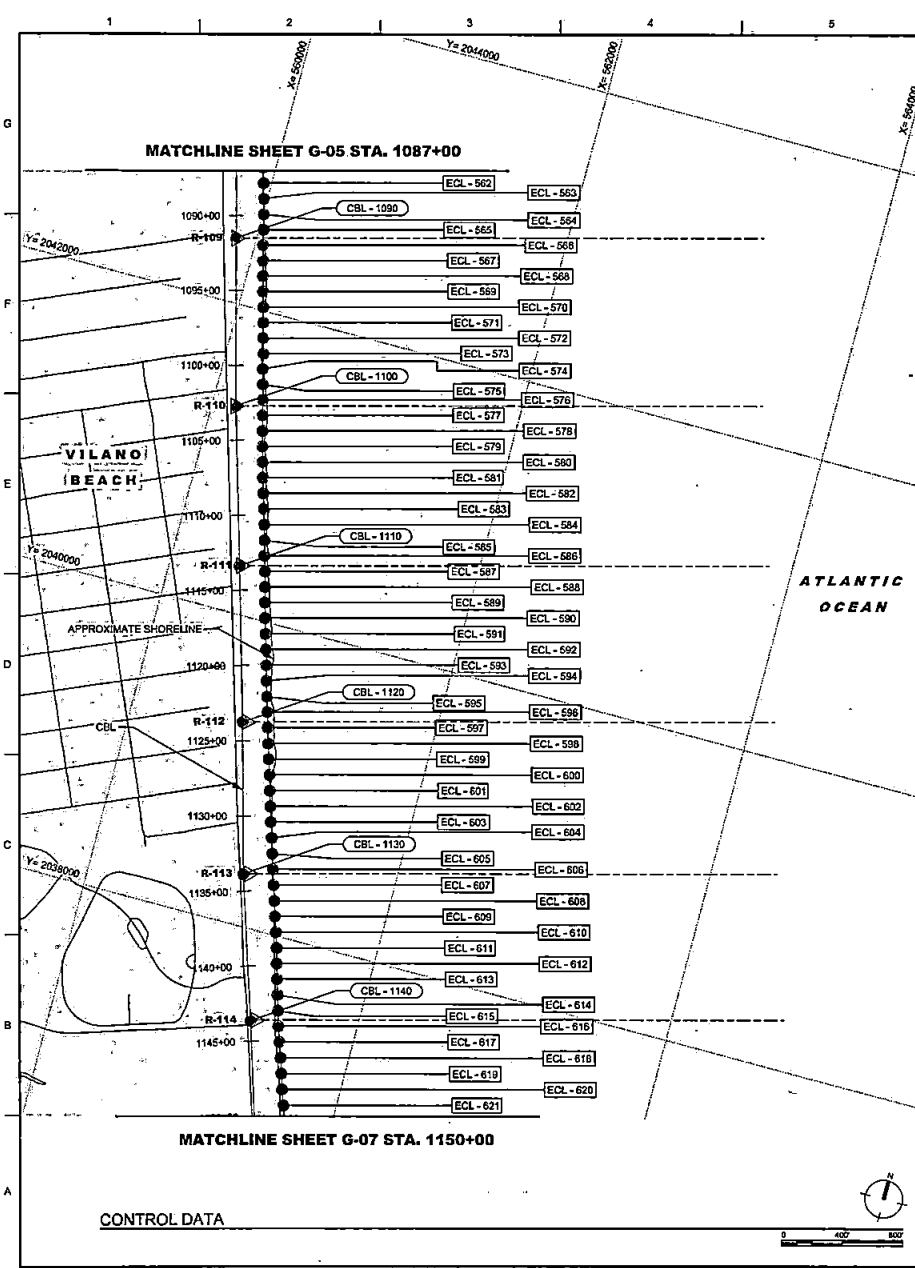
NO.	DATE	DESCRIPTION

ISSUE DATE: 4/12/2020
 FILE NAME: C:\PROJECTS\13172\COASTAL\G-05
 SHEET: 5 OF 5
 PROJECT: COASTAL STORM RISK MANAGEMENT PROJECT
 SOUTH PALM BEACH AND WILANO BEACH
 ST. JOHNS COUNTY, FL
 GENERAL CONTROL DATA
 STA. 1020+00 TO STA. 1087+00

U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT
 CIVIL ENGINEERING
 D. DUBLEY
 JACSONVILLE, FL 32207
 SUBMITTED BY: 4/12/2020

SHEET ID
G-05

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FDEP RANGE MONUMENT CONTROL

NA893 - STATE PLANE COORDINATES FLORIDA EAST
U.S. SURVEY FEET

POINT	(Y) - NORTHING	(X) - EASTING	AZIMUTH (DEGREES)
R-109	2,042,423.81	559,870.56	75
R-110	2,041,337.85	560,153.48	75
R-111	2,040,320.32	560,488.29	75
R-112	2,039,255.32	560,788.11	75
R-113	2,038,255.17	561,043.54	75
R-114	2,037,423.69	561,335.16	75

ALL AZIMUTHS ARE GRID MEASURED CLOCKWISE FROM NORTH

EROSION CONTROL LINE (ECL)

NA893 (2011) - STATE PLANE COORDINATES
FLORIDA EAST U.S. SURVEY FEET

PT.	(Y) - NORTHING	(X) - EASTING
ECL - 562	2,042,825.23	559,949.34
ECL - 563	2,042,724.59	559,977.20
ECL - 564	2,042,624.51	560,003.67
ECL - 565	2,042,524.17	560,029.47
ECL - 566	2,042,424.61	560,052.69
ECL - 567	2,042,324.90	560,079.55
ECL - 568	2,042,224.45	560,106.44
ECL - 569	2,042,124.86	560,132.76
ECL - 570	2,042,024.38	560,161.58
ECL - 571	2,041,924.71	560,188.21
ECL - 572	2,041,824.56	560,214.60
ECL - 573	2,041,724.79	560,243.14
ECL - 574	2,041,624.32	560,265.46
ECL - 575	2,041,524.70	560,292.33
ECL - 576	2,041,424.74	560,318.02
ECL - 577	2,041,324.50	560,343.90
ECL - 578	2,041,224.64	560,370.28
ECL - 579	2,041,124.48	560,396.17
ECL - 580	2,041,024.51	560,424.48
ECL - 581	2,040,924.64	560,452.55
ECL - 582	2,040,824.85	560,482.56
ECL - 583	2,040,725.19	560,513.47
ECL - 584	2,040,624.53	560,542.21
ECL - 585	2,040,524.05	560,571.73
ECL - 586	2,040,424.64	560,597.85
ECL - 587	2,040,324.54	560,628.44
ECL - 588	2,040,224.53	560,654.68
ECL - 589	2,040,124.72	560,681.29
ECL - 590	2,040,024.69	560,708.87
ECL - 591	2,039,924.50	560,737.35
ECL - 592	2,039,825.06	560,767.55
ECL - 593	2,039,724.59	560,796.93
ECL - 594	2,039,624.81	560,824.77
ECL - 595	2,039,524.41	560,854.99
ECL - 596	2,039,424.64	560,884.42
ECL - 597	2,039,324.56	560,913.37
ECL - 598	2,039,224.44	560,942.43
ECL - 599	2,039,124.71	560,973.07
ECL - 600	2,039,024.77	561,004.93
ECL - 601	2,038,924.51	561,034.22
ECL - 602	2,038,824.50	561,064.16
ECL - 603	2,038,724.89	561,095.01
ECL - 604	2,038,624.91	561,126.86
ECL - 605	2,038,524.38	561,158.14
ECL - 606	2,038,424.63	561,189.07
ECL - 607	2,038,324.73	561,219.32
ECL - 608	2,038,224.34	561,251.94
ECL - 609	2,038,124.86	561,281.39
ECL - 610	2,038,025.01	561,314.79
ECL - 611	2,037,924.65	561,346.82
ECL - 612	2,037,824.34	561,373.78
ECL - 613	2,037,724.73	561,402.49
ECL - 614	2,037,624.60	561,431.91
ECL - 615	2,037,524.24	561,462.19
ECL - 616	2,037,425.23	561,491.66
ECL - 617	2,037,324.91	561,525.18
ECL - 618	2,037,224.45	561,560.50
ECL - 619	2,037,124.95	561,590.85
ECL - 620	2,037,024.16	561,623.69
ECL - 621	2,036,924.86	561,659.37

CONSTRUCTION BASELINE (CBL)

NAV88 - STATE PLANE COORDINATES
FLORIDA EAST - U.S. SURVEY FEET

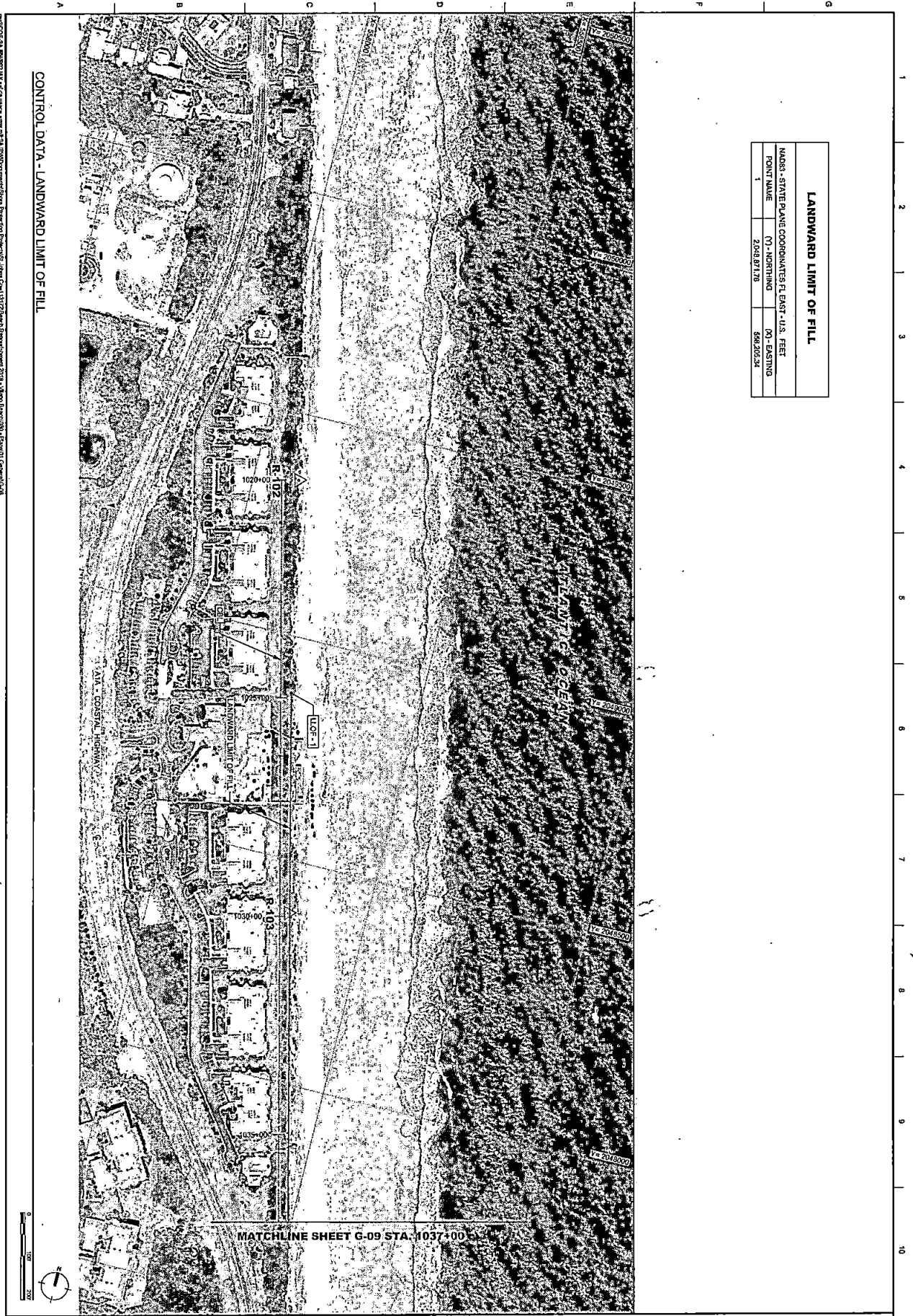
PT.	(Y) - NORTHING	(X) - EASTING	CBL STATIONING
CBL - 1090	2,042,423.04	559,868.84	1091+49.70
CBL - 1100	2,041,337.38	560,166.45	1102+72.86
CBL - 1110	2,040,315.43	560,456.13	1113+37.85
CBL - 1120	2,039,317.59	560,743.27	1123+78.18
CBL - 1130	2,038,342.83	561,006.89	1133+85.65
CBL - 1140	2,037,410.85	561,303.80	1143+64.04

US Army Corps of Engineers

ISSUE DATE: _____ SOLICITATION NO.: _____
 DRAWN BY: _____ COUNTY: BAY COUNTY
 CHECKED BY: _____ PROJECT NO.: _____
 DATE: _____
 SCALE: _____
 SHEET NO.: _____ OF _____
 PROJECT: COASTAL EROSION CONTROL PROJECT
 LOCATION: SOUTH POINT VILANO BEACH
 STATIONING: STA. 1097+00 TO STA. 1150+00

SHEET ID
G-06

PROJECT: COASTAL EROSION CONTROL PROJECT, LOCATION: SOUTH POINT VILANO BEACH, STATIONING: STA. 1097+00 TO STA. 1150+00



CONTROL DATA - LANDWARD LIMIT OF FILL

LANDWARD LIMIT OF FILL			
NAVD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET			
POINT NAME	01 - NORTHING	00 - EASTING	
1	2048.87170	696.202324	

MATCHLINE SHEET G-09 STA. 1037+00

BCOES CERT

SHEET ID
G-08

COASTAL STORM RISK MANAGEMENT PROJECT
SOUTH PONTE VEDRA AND VILANO BEACH
INITIAL CONSTRUCTION 2003
ST. JOHNS COUNTY, FL

GENERAL
CONTROL DATA
LANDWARD LIMIT OF FILL

U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT
701 SAN MARCO BLVD
JACKSONVILLE, FL 32207

DESIGNED BY:
V. RIBLY
DRAWN BY:
R. PHITO
CHECKED BY:
D. DUPLEY
SUBMITTED BY:

ISSUE DATE:
SOLICITATION NO.:
GROUP L-B-R-0015
CONTRACT NO.:
N/A
DRAWING DATE:
04/23/00

SIZE: A3510
FILE NAME: C:\SRM\G-18-02008.dwg

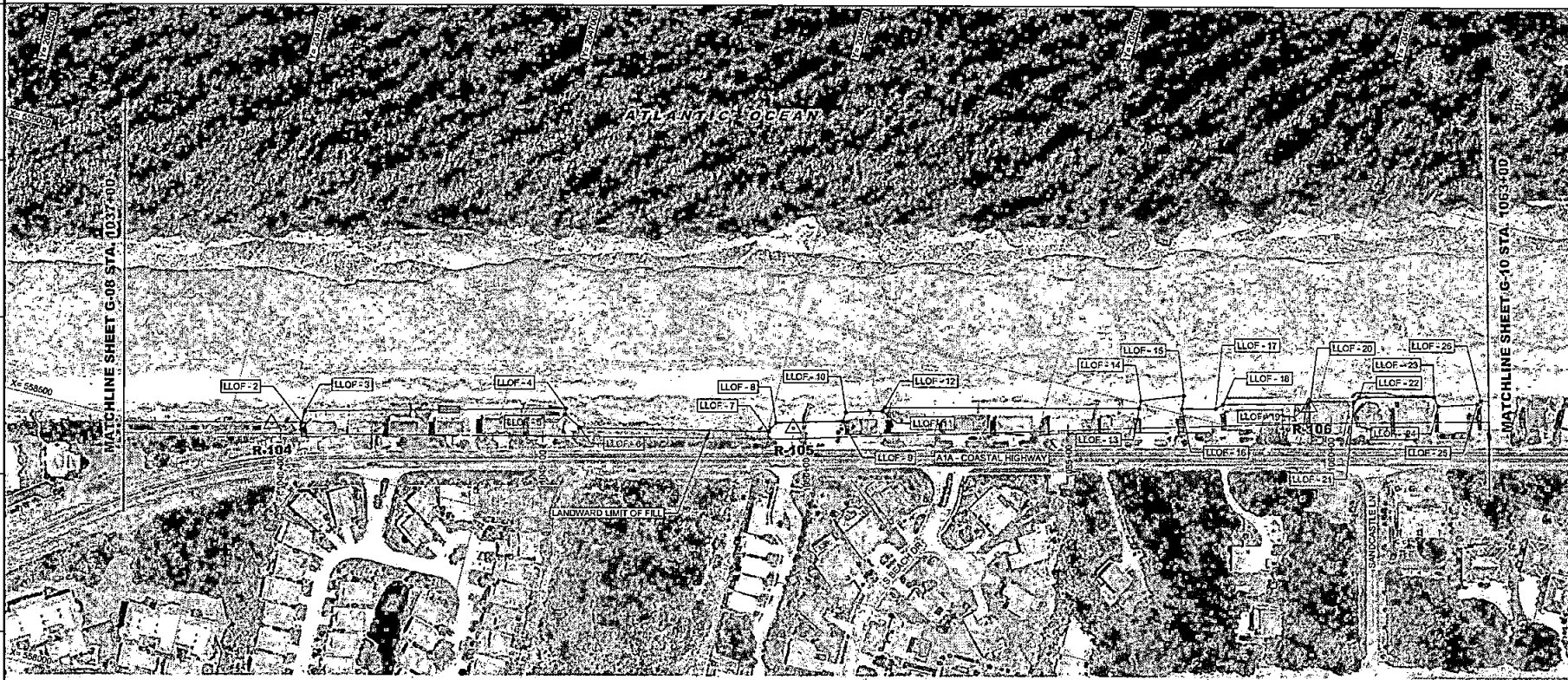
MARK	DESCRIPTION	DATE

US Army Corps of Engineers

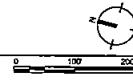
LANDWARD LIMIT OF FILL		
NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
2	2,047,364.84	558,573.86
3	2,047,363.49	558,595.91
4	2,046,882.53	558,722.69
5	2,046,880.90	558,711.18
6	2,046,847.32	558,693.61
7	2,046,498.02	558,774.82
8	2,046,468.63	558,794.57
9	2,046,368.09	558,828.06

LANDWARD LIMIT OF FILL		
NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
10	2,048,363.91	558,846.39
11	2,048,297.35	558,865.76
12	2,048,294.48	558,873.79
13	2,045,825.11	558,950.87
14	2,045,825.35	559,005.89
15	2,045,748.65	559,003.56
16	2,045,746.54	559,010.49
17	2,045,684.35	559,026.00

LANDWARD LIMIT OF FILL		
NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
18	2,045,672.69	559,037.48
19	2,045,516.19	559,078.04
20	2,045,513.64	559,085.15
21	2,045,433.25	559,104.17
22	2,045,425.26	559,114.70
23	2,045,288.03	559,150.51
24	2,045,275.87	559,135.19
25	2,045,204.85	559,157.51
26	2,045,200.38	559,165.38



CONTROL DATA - LANDWARD LIMIT OF FILL



NO.	DATE	DESCRIPTION

ISSUE DATE: 4/13/2020
 U.S. ARMY CORPS OF ENGINEERS
 DRAWN BY: JON SAMUELSON
 CHECKED BY: JON SAMUELSON
 DESIGNED BY: JON SAMUELSON
 PROJECT NO.: 16R0200009-004
 TITLE: STA. 1037+00 TO STA. 1063+00

CONTRACT NO.: 16R0200009-004
 PROJECT TITLE: STA. 1037+00 TO STA. 1063+00
 SHEET NO.: G-09
 SHEET TITLE: GENERAL CONTROL DATA

SHEET ID: G-09

BCOES CERT

LANDWARD LIMIT OF FILL

NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
27	2,044,903.92	559,242.87
28	2,044,900.52	559,257.96
29	2,044,873.95	559,265.61
30	2,044,749.83	559,281.33
31	2,044,683.27	559,303.49
32	2,044,681.93	559,297.30
33	2,044,323.59	559,382.44
34	2,044,284.27	559,413.14
35	2,044,186.31	559,438.50
36	2,044,192.75	559,453.47
37	2,044,094.85	559,476.94
38	2,044,076.77	559,437.06
39	2,044,026.07	559,451.56

LANDWARD LIMIT OF FILL

NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
40	2,044,030.16	559,469.77
41	2,043,968.40	559,484.65
42	2,043,776.12	559,531.97
44	2,043,780.39	559,537.38
45	2,043,682.41	559,582.23
44	2,043,681.21	559,559.00
46	2,043,680.70	559,563.47
47	2,043,721.77	559,705.13
48	2,043,826.37	559,734.09
49	2,043,552.51	559,565.12
50	2,043,270.26	559,650.79
51	2,043,271.79	559,670.21
52	2,043,228.00	559,684.82

LANDWARD LIMIT OF FILL

NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
53	2,043,126.82	559,699.44
54	2,043,132.31	559,714.49
55	2,043,076.61	559,721.13
56	2,043,063.75	559,709.00
57	2,043,047.09	559,706.27
58	2,042,817.23	559,780.27
59	2,042,767.53	559,782.13



CONTROL DATA - LANDWARD LIMIT OF FILL



DATE	DESCRIPTION

US STATE: FL COUNTY: JACKSONVILLE DISTRICT DRAWN BY: J. D. DUBREY CHECKED BY: J. D. DUBREY SUBMITTED DATE: 4/15/2010 SHEET: 1063+00 TO STA. 1088+00	SCALE DATE: N/A SURVEY NO.: N/A CONTRACT NO.: N/A DRAWING NO.: N/A DATE: 4/15/2010 SHEET: 1063+00 TO STA. 1088+00
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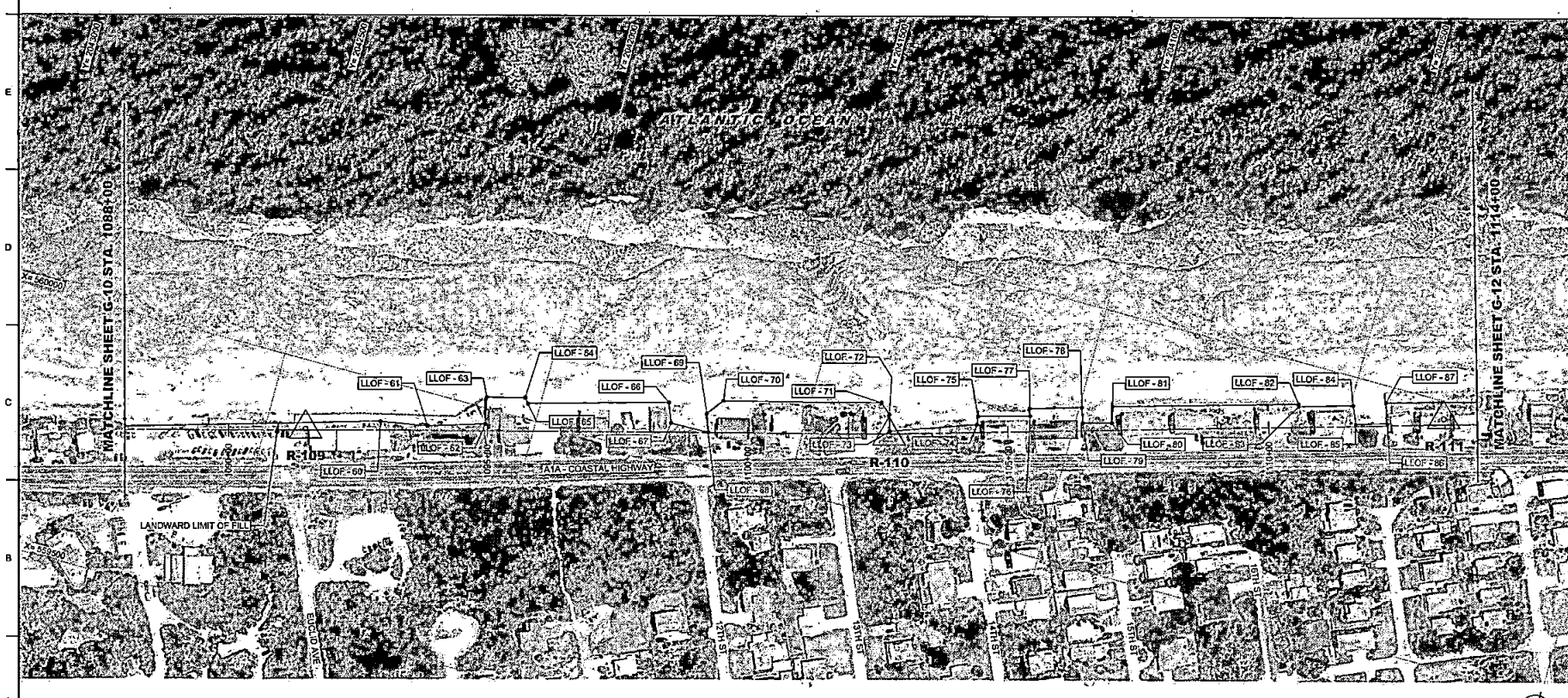
COASTAL FLOOD RISK MANAGEMENT PROJECT
 SOUTH POINT VERRANO BEACH
 ST. JOHNS COUNTY, FL
 GENERAL CONTROL DATA
 STA. 1063+00 TO STA. 1088+00

SHEET ID
G-10

LANDWARD LIMIT OF FILL		
NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
60	2,042,287.30	559,922.25
61	2,042,197.94	559,937.40
62	2,042,091.63	559,970.14
63	2,042,102.73	560,021.21
64	2,042,031.68	560,039.63
65	2,042,023.54	560,030.00
66	2,041,762.67	560,103.19
67	2,041,748.54	560,058.36
68	2,041,675.02	560,067.81
69	2,041,688.67	560,102.23
70	2,041,662.10	560,134.13

LANDWARD LIMIT OF FILL		
NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
71	2,041,358.20	560,210.91
72	2,041,347.77	560,192.88
73	2,041,338.69	560,161.72
74	2,041,180.33	560,218.33
75	2,041,183.13	560,234.30
76	2,041,086.41	560,261.79
77	2,041,090.87	560,276.53
78	2,040,994.91	560,303.96
79	2,040,985.42	560,275.24
80	2,040,932.02	560,290.40
81	2,040,939.07	560,321.01

LANDWARD LIMIT OF FILL		
NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
82	2,040,696.00	560,419.88
83	2,040,694.74	560,415.93
84	2,040,494.73	560,445.57
85	2,040,480.17	560,412.00
86	2,040,422.15	560,428.04
87	2,040,435.35	560,467.27



CONTROL DATA - LANDWARD LIMIT OF FILL

US Army Corps of Engineers®

NO.	DATE

U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT
 701 SAN MARCO BLVD
 JACKSONVILLE, FL 32207

SCALE DATE: _____
 W. SHEETS: _____
 DRAWN BY: _____
 D. DATE: _____
 CHECKED BY: _____
 SUBMITTED BY: _____
 NAD: _____
 NAD: _____
 NAD: _____

COASTAL STRM RISK MANAGEMENT PROJECT
 SOUTH ATLANTIC COASTAL HURRICANE MITIGATION STUDY
 ST. JOHNS COUNTY, FL

GENERAL CONTROL DATA
 STA. 1088+00 TO STA. 1114+00

SHEET ID
G-11

LANDWARD LIMIT OF FILL

NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET			
POINT NAME	(Y) - NORTHING	(X) - EASTING	
88	2,040,237.90	560,523.29	
89	2,040,202.11	560,501.55	
90	2,040,182.57	560,505.45	
91	2,040,182.93	560,549.85	
92	2,040,119.03	560,566.49	
93	2,040,088.27	560,563.38	
94	2,039,941.06	560,538.50	
95	2,039,925.21	560,517.73	
96	2,039,841.49	560,548.73	
97	2,039,575.59	560,730.88	
98	2,039,483.73	560,743.68	
99	2,039,241.06	560,814.63	

LANDWARD LIMIT OF FILL

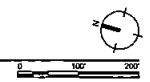
NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET			
POINT NAME	(Y) - NORTHING	(X) - EASTING	
100	2,039,226.36	560,781.20	
101	2,039,162.96	560,797.69	
102	2,039,173.68	560,829.34	
103	2,039,085.24	560,854.59	
104	2,039,089.12	560,827.81	
105	2,038,500.57	560,876.63	
106	2,038,507.40	560,900.06	
107	2,038,832.70	560,921.89	
108	2,038,828.00	560,906.16	
109	2,038,819.82	560,906.70	
110	2,038,828.37	560,927.85	

LANDWARD LIMIT OF FILL

NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET			
POINT NAME	(Y) - NORTHING	(X) - EASTING	
111	2,038,730.30	560,855.67	
112	2,038,722.60	560,939.22	
113	2,038,715.05	560,941.65	
114	2,038,561.02	560,934.66	
115	2,038,672.08	560,972.18	
116	2,038,584.78	560,996.78	
117	2,038,572.78	560,978.25	



CONTROL DATA - LANDWARD LIMIT OF FILL



p:\NWOC-SA\FW\G2\AX\aj.ca.zsaca.army.mil\SA\FW\Documents\Show Protection Projects\Johns Co-11217\Beach Reinforcement 2018 - Viano Beach\01-Plans\G12

US Army Corps
of Engineers®

DATE	DESCRIPTION

<small>U.S. SHEET BY:</small>	<small>ISSUE DATE:</small>
<small>U.S. ARMY CORPS OF ENGINEERS</small>	<small>ADJUVANVILLE DISTRICT</small>
<small>JACKSONVILLE, FL 32207</small>	<small>JACKSONVILLE, FL 32207</small>
<small>PROJECT NO.:</small>	<small>DATE:</small>
<small>PROJECT TITLE:</small>	<small>SCALE:</small>

<small>COASTAL STORM RISK MANAGEMENT PROJECT</small>	<small>GENERAL CONTROL DATA</small>
<small>SOUTH PONTIC BEACH AND BEACH BEACH</small>	<small>STA. 114+00 TO STA. 113+00</small>
<small>ST. JOHNS COUNTY, FL</small>	

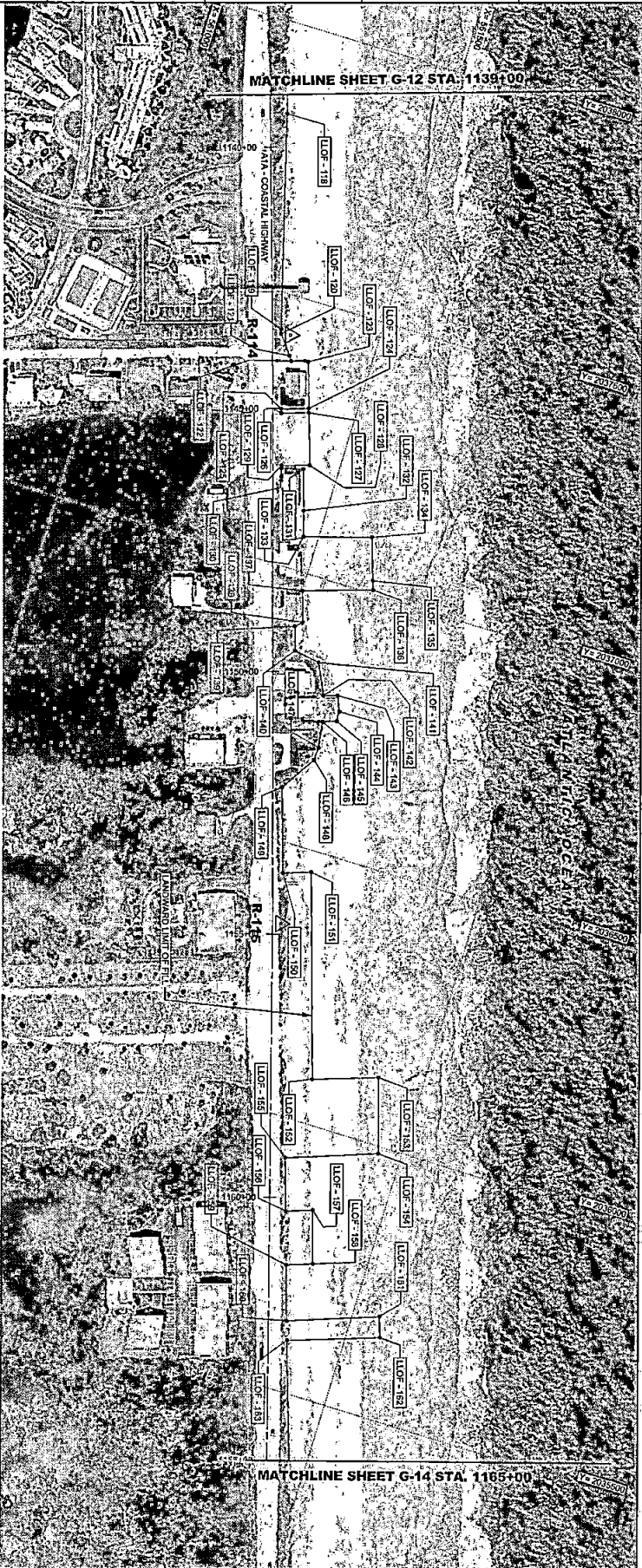
<small>SHEET ID</small>	<small>DATE</small>
G-12	

BCOES CERT

LANDWARD LIMIT OF FILL			
POINT NAME	(Y) - NORTHING	(X) - EASTING	
118	2,037,628.23	561,204.44	
119	2,037,428.37	561,315.49	
120	2,037,421.40	561,317.71	
121	2,037,386.33	561,345.12	
122	2,037,377.28	561,322.97	
123	2,037,385.53	561,410.00	
124	2,037,301.70	561,329.90	
125	2,037,255.42	561,329.25	
126	2,037,277.58	561,412.48	
127	2,037,254.53	561,412.48	
128	2,037,198.37	561,443.24	
129	2,037,177.49	561,392.05	
130	2,037,182.12	561,301.50	
131	2,037,188.04	561,624.01	
132	2,037,113.00	561,426.02	
133	2,037,055.58	561,472.69	
134	2,037,022.55	561,528.15	

LANDWARD LIMIT OF FILL			
POINT NAME	(Y) - NORTHING	(X) - EASTING	
135	2,037,024.16	561,623.69	
136	2,037,007.63	561,628.63	
137	2,038,986.71	561,590.74	
138	2,038,909.11	561,518.02	
139	2,038,897.43	561,596.34	
140	2,038,853.16	561,520.75	
141	2,038,845.25	561,570.61	
142	2,038,787.72	561,527.91	
143	2,038,785.99	561,623.95	
144	2,038,768.76	561,623.56	
145	2,038,748.81	561,628.70	
146	2,038,739.81	561,611.12	
147	2,038,699.34	561,618.82	
148	2,038,655.37	561,618.82	
149	2,038,597.74	561,612.97	
150	2,038,442.17	561,623.67	
151	2,038,450.00	561,675.00	

LANDWARD LIMIT OF FILL			
POINT NAME	(Y) - NORTHING	(X) - EASTING	
152	2,038,084.26	561,733.26	
153	2,038,124.67	561,613.64	
154	2,038,986.52	561,655.10	
155	2,038,926.57	561,788.38	
156	2,038,830.14	561,619.18	
157	2,038,846.94	561,697.94	
158	2,038,749.85	561,695.49	
159	2,038,727.21	561,650.31	
160	2,038,631.70	561,622.26	
161	2,038,691.65	562,050.13	
162	2,038,653.90	562,052.20	
163	2,038,596.49	561,694.27	



CONTROL DATA - LANDWARD LIMIT OF FILL


	SHEET ID G-13	COASTAL STORM RISK MANAGEMENT PROJECT SOUTH POINTS VIEIRA AND VILANO BEACH INITIAL CONSTRUCTION 2020 ST. JOHNS COUNTY, FL	U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT 701 SAN MARCO BLVD JACKSONVILLE FL, 32207	DESIGNED BY: W. KELLY DRAWN BY: R. PINTO CHECKED BY: D. DUDLEY SUBMITTED BY: D. DUDLEY	ISSUE DATE: 05/13/2020 SOLICITATION NO.: GROUP#154-20015 CONTRACT NO.: N/A DRAWING DATE: 05/13/2020	FILE NAME: ANSLD_GSRM20-0513.dwg	MARK DESCRIPTION	DATE
	BOOES CERT	GENERAL CONTROL DATA STA. 1139+00 TO STA. 1165+00	MATCHLINE SHEET G-12 STA. 1139+00	MATCHLINE SHEET G-14 STA. 1165+00	SCALE: 1" = 100'	NORTH ARROW		

LANDWARD LIMIT OF FILL		
NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
164	2,035,114.73	562,054.31
165	2,035,103.78	562,083.21
166	2,034,992.40	562,133.99
167	2,034,880.18	562,150.16
168	2,034,817.98	562,206.61
169	2,034,805.91	562,172.11
170	2,034,783.06	562,167.41
171	2,034,711.54	562,197.99
172	2,034,720.40	562,227.41
173	2,034,637.59	562,257.99
174	2,034,636.77	562,255.16

LANDWARD LIMIT OF FILL		
NAD83 - STATE PLANE COORDINATES FL EAST - U.S. FEET		
POINT NAME	(Y) - NORTHING	(X) - EASTING
175	2,034,561.41	562,285.02
176	2,034,478.76	562,315.86
177	2,034,431.20	562,318.63
178	2,034,427.39	562,304.62
179	2,033,868.27	562,486.60
180	2,033,953.82	562,501.70
181	2,033,840.00	562,557.00
182	2,033,813.00	562,564.00



CONTROL DATA - LANDWARD LIMIT OF FILL



US Army Corps of Engineers*

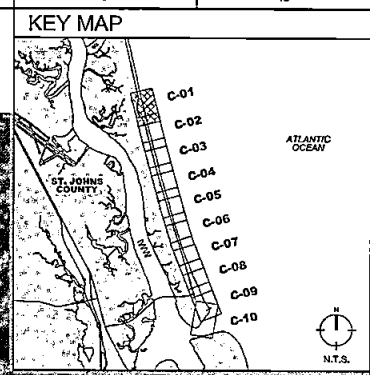
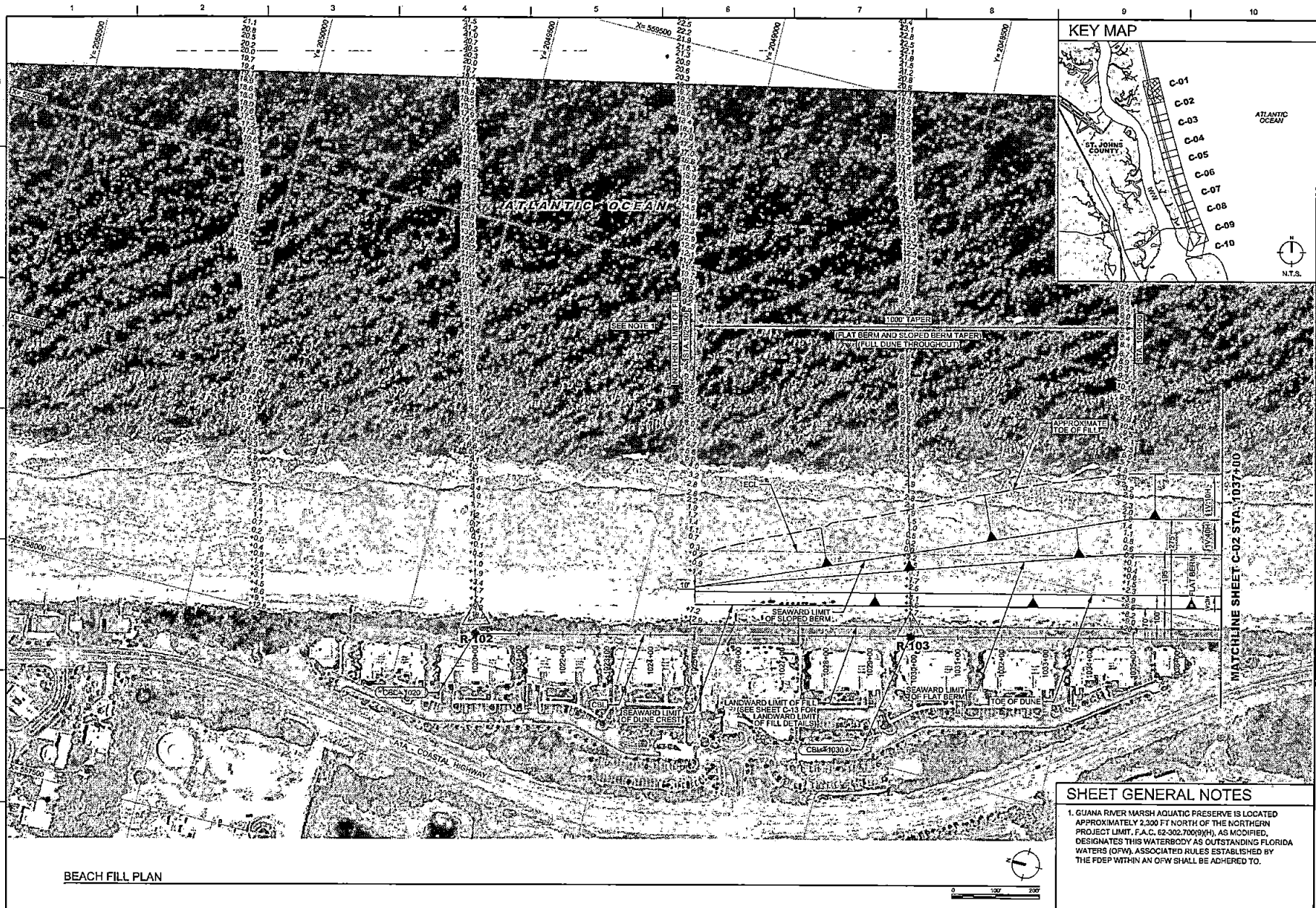
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DESIGNER:	SCALE:	DATE:
PROJECT NO.:	SCALE:	DATE:
PROJECT TITLE:	SCALE:	DATE:
PROJECT LOCATION:	SCALE:	DATE:
PROJECT NUMBER:	SCALE:	DATE:
PROJECT DATE:	SCALE:	DATE:
PROJECT STATUS:	SCALE:	DATE:
PROJECT DESCRIPTION:	SCALE:	DATE:
PROJECT OWNER:	SCALE:	DATE:
PROJECT CONTACT:	SCALE:	DATE:
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PROJECT CITY:	SCALE:	DATE:
PROJECT STATE:	SCALE:	DATE:
PROJECT ZIP:	SCALE:	DATE:
PROJECT COUNTY:	SCALE:	DATE:
PROJECT DISTRICT:	SCALE:	DATE:
PROJECT REGION:	SCALE:	DATE:
PROJECT OFFICE:	SCALE:	DATE:
PROJECT BRANCH:	SCALE:	DATE:
PROJECT DIVISION:	SCALE:	DATE:
PROJECT SECTION:	SCALE:	DATE:
PROJECT SUBSECTION:	SCALE:	DATE:
PROJECT DRAWING:	SCALE:	DATE:
PROJECT SHEET:	SCALE:	DATE:
PROJECT TITLE:	SCALE:	DATE:
PROJECT NUMBER:	SCALE:	DATE:
PROJECT DATE:	SCALE:	DATE:
PROJECT STATUS:	SCALE:	DATE:
PROJECT DESCRIPTION:	SCALE:	DATE:
PROJECT OWNER:	SCALE:	DATE:
PROJECT CONTACT:	SCALE:	DATE:
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PROJECT STATE:	SCALE:	DATE:
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PROJECT COUNTY:	SCALE:	DATE:
PROJECT DISTRICT:	SCALE:	DATE:
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PROJECT OFFICE:	SCALE:	DATE:
PROJECT BRANCH:	SCALE:	DATE:
PROJECT DIVISION:	SCALE:	DATE:
PROJECT SECTION:	SCALE:	DATE:
PROJECT SUBSECTION:	SCALE:	DATE:
PROJECT DRAWING:	SCALE:	DATE:
PROJECT SHEET:	SCALE:	DATE:

COASTAL STRUCTURE MANAGEMENT PROJECT
SOUTH PONTE VERA AND VLAND BEACH
SAN JOSE COUNTY
ST. JOSE COUNTY, CA
GENERAL
STA. 1185-08

SHEET ID
G-14

PROJECT: SA-PPW021AX.dwg; DATE: 11/11/2019; PROJECT: St. Johns Co-11317202 Beach Renourishment 2019 - Vland Beach (00) - Plans (01) General (G-14)

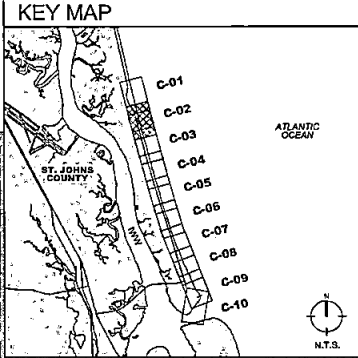
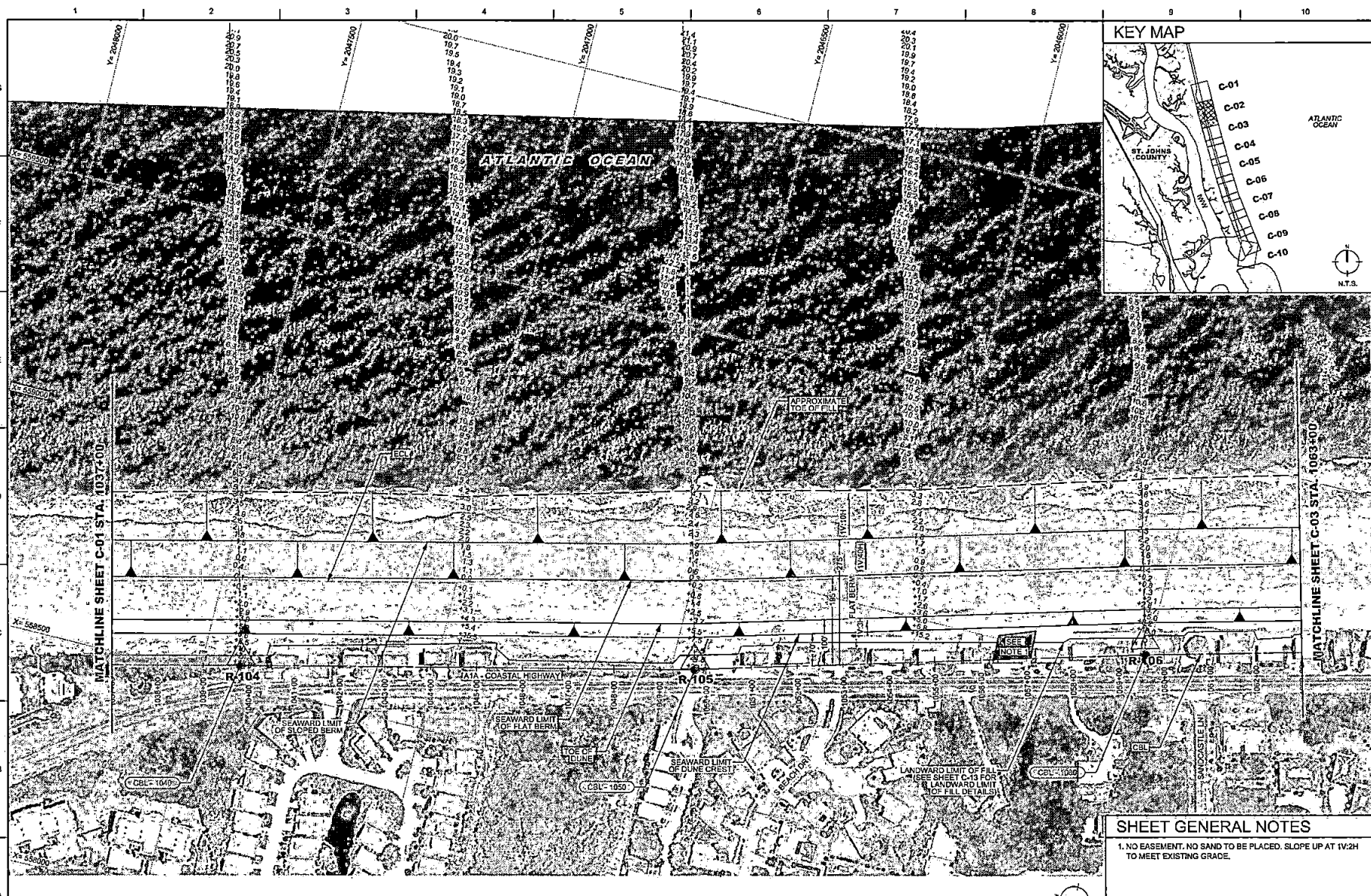


U.S. Army Corps of Engineers

PROJECT NO.: DRAWN BY: CHECKED BY: SUBMITTED BY:	SHEET NO.: DATE:
U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT SOUTH POINT VETERANS AND MARINA BEACH PROJECT ST. JOHN'S COUNTY, FL.	
SOLICITATION NO.: CONTRACT NO.: DATE OF ISSUE: DATE OF REVISION: DATE OF APPROVAL: DATE OF SUBMISSION: DATE OF REVISION: DATE OF APPROVAL:	
U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT SOUTH POINT VETERANS AND MARINA BEACH PROJECT ST. JOHN'S COUNTY, FL.	
SHEET ID: C-01	

SHEET GENERAL NOTES

1. GUANA RIVER MARSH ATLANTIC PRESERVE IS LOCATED APPROXIMATELY 2,300 FT NORTH OF THE NORTHERN PROJECT LIMIT. F.A.C. 62-302.700(9)(H), AS MODIFIED, DESIGNATES THIS WATERBODY AS OUTSTANDING FLORIDA WATERS (OPFW). ASSOCIATED RULES ESTABLISHED BY THE FDPF WITHIN AN OPFW SHALL BE ADHERED TO.



US Army Corps of Engineers®

NO.	DATE

NO.	DATE

U.S. ARMY CORPS OF ENGINEERS
 701 SAN MARCO BLVD
 JACKSONVILLE, FL 32202

DESIGNED BY: CIVIL
 DRAWN BY:
 CHECKED BY:
 STA. 1067+00 TO STA. 1083+00

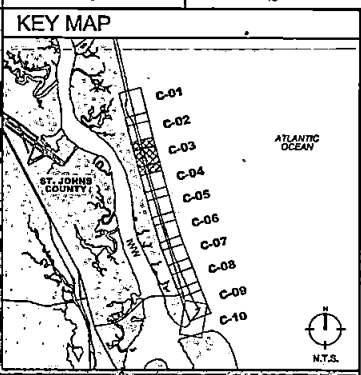
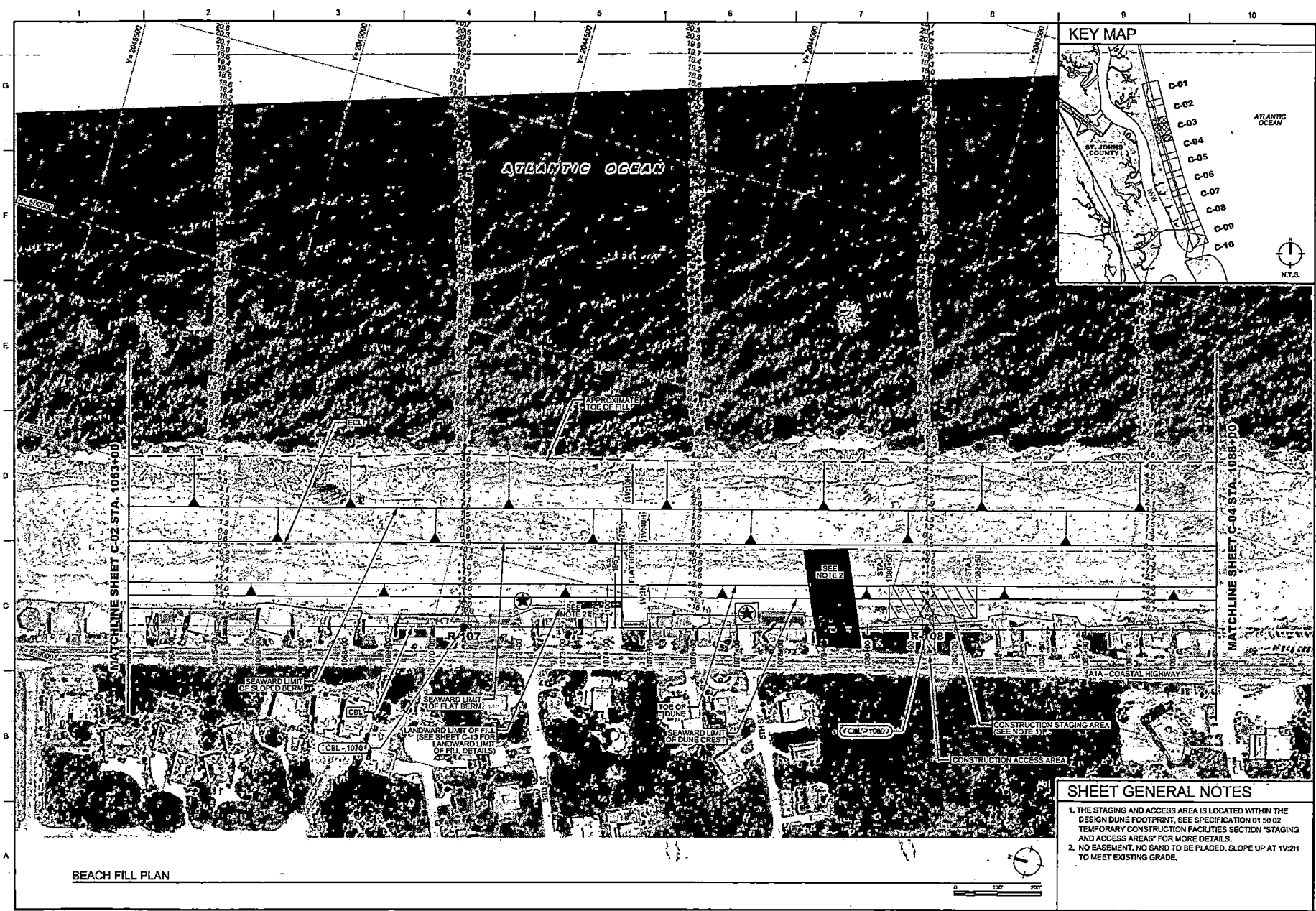
SHEET GENERAL NOTES

- NO EASEMENT, NO SAND TO BE PLACED. SLOPE UP AT 1V:2H TO MEET EXISTING GRADE.



BEACH FILL PLAN

SHEET ID
C-02



US Army Corps of Engineers®

DATE

ISSUED FOR CONSTRUCTION

DESIGNED BY:	ISSUE DATE:
DRAWN BY:	SCALE/ANNOTATION:
CHECKED BY:	COORDINATOR:
SUBMITTED BY:	ISSUE DATE:
ISSUE DATE:	ISSUE DATE:
ISSUE DATE:	ISSUE DATE:

U.S. ARMY CORPS OF ENGINEERS
ADRIANVILLE DISTRICT
SOUTH PONTIAC RIVER AND WINDWARD BEACH
ST. JOHNS COUNTY, FL 32077

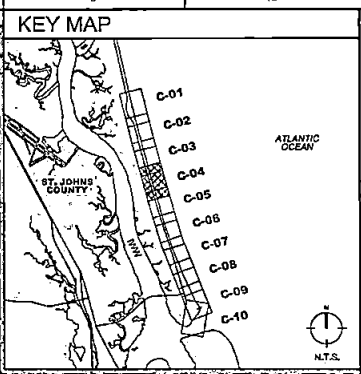
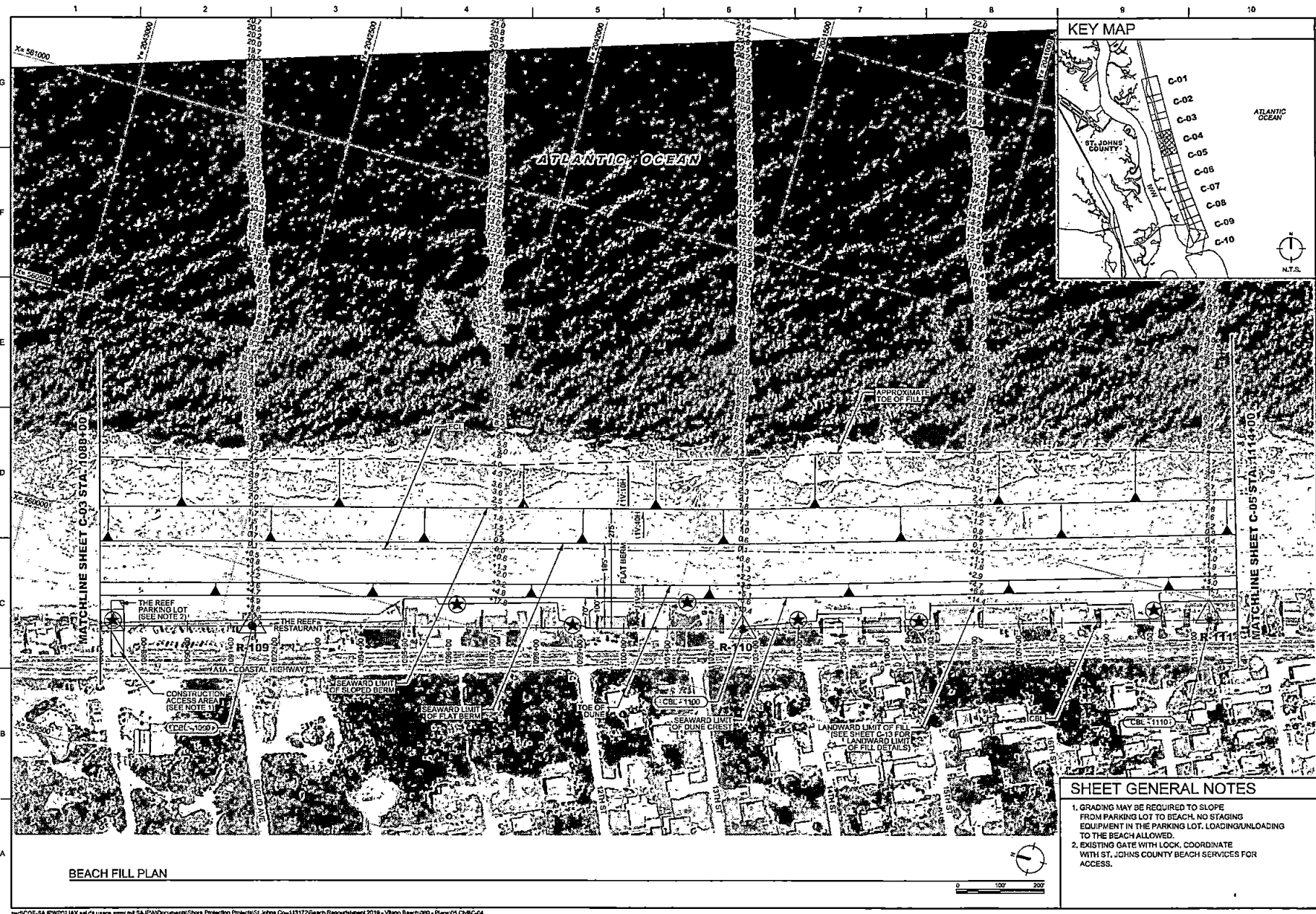
COASTAL STORM RISK MANAGEMENT PROJECT
SOUTH PONTIAC RIVER AND WINDWARD BEACH
ST. JOHNS COUNTY, FL 32077

C-03

BEACH FILL PLAN
STA. 1063+00 TO STA. 1088+00

- SHEET GENERAL NOTES**
1. THE STAGING AND ACCESS AREA IS LOCATED WITHIN THE DESIGN DUNE FOOTPRINT, SEE SPECIFICATION 01 50 02 TEMPORARY CONSTRUCTION FACILITIES SECTION "STAGING AND ACCESS AREAS" FOR MORE DETAILS.
 2. NO EASEMENT, NO SAND TO BE PLACED, SLOPE UP AT 1V:2H TO MEET EXISTING GRADE.

SHEET ID
C-03



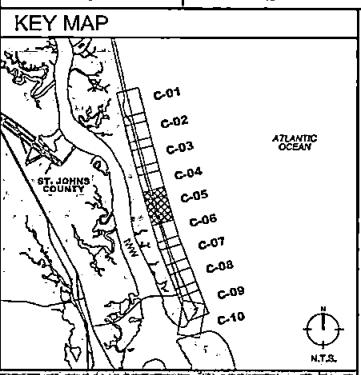
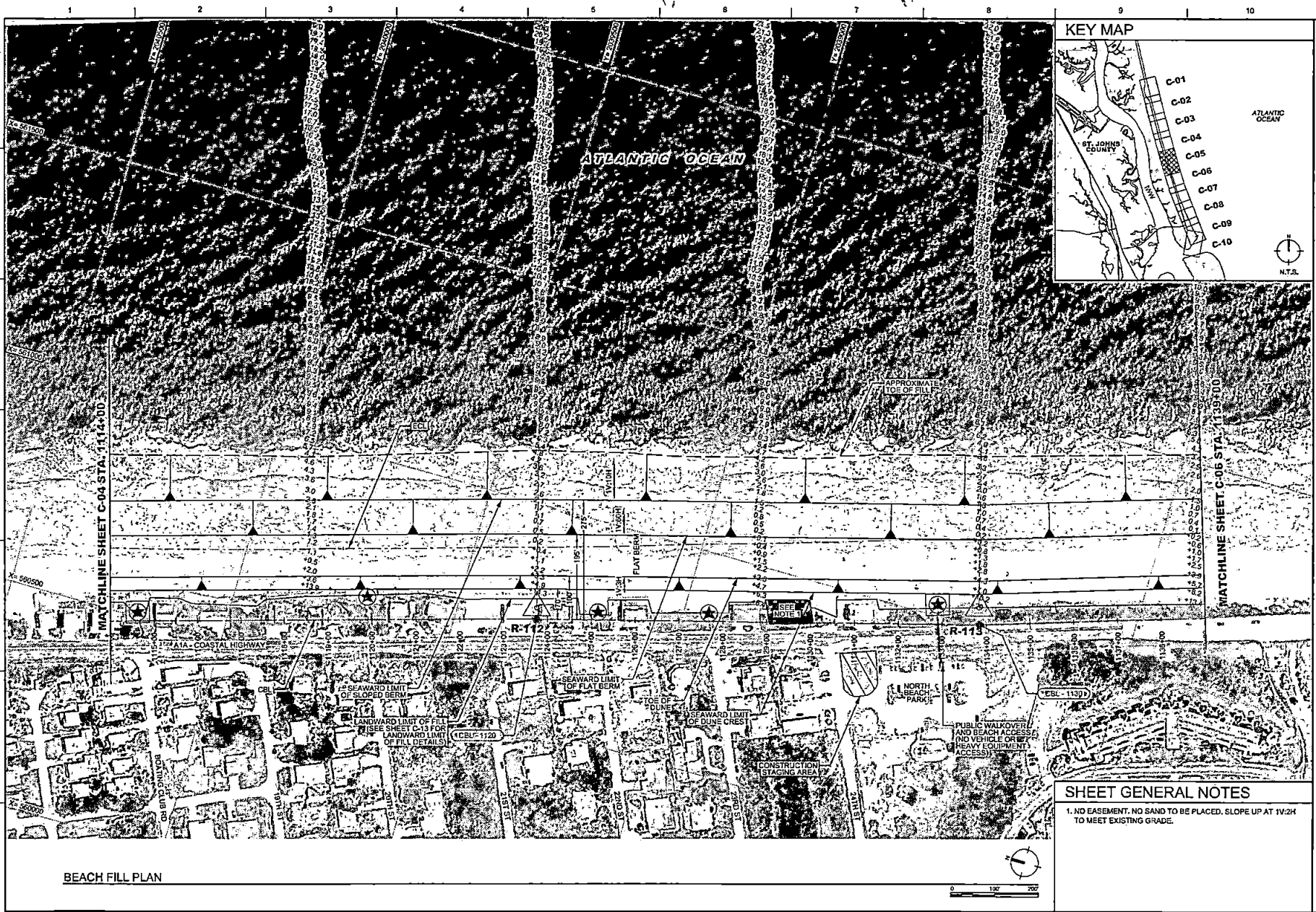
DATE	
REVISION	
NO.	
DESCRIPTION	

DESIGNED BY:	DATE:
DRAWN BY:	CHECKED BY:
IN CHARGE:	PROJECT NO.:
SCALE:	PROJECT NAME:
ASST.:	PROJECT LOCATION:

CIVIL PLAN
 STA. 1088+00 TO STA. 1114+00
 SOUTH MOBILE BEACH AND MARINA BEACH
 ST. JOHNS COUNTY, FLA.

- ### SHEET GENERAL NOTES
1. GRADING MAY BE REQUIRED TO SLOPE FROM PARKING LOT TO BEACH. NO STAGING EQUIPMENT IN THE PARKING LOT. LOADING/UNLOADING TO THE BEACH ALLOWED.
 2. EXISTING GATE WITH LOCK. COORDINATE WITH ST. JOHNS COUNTY BEACH SERVICES FOR ACCESS.

SHEET ID
C-04



DATE	DESCRIPTION

DESIGNED BY U.S. ARMY CORPS OF ENGINEERS	DATE 11/14/00
DRAWN BY J. DUDLEY	SCALE AS SHOWN
CHECKED BY J. DUDLEY	PROJECT NO. 1114-90
APPROVED BY J. DUDLEY	CONTRACT NO. NA
DATE 11/14/00	ISSUE DATE 11/14/00
PROJECT NO. 1114-90	ISSUE NO. 001

U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT
 2200 W. UNIVERSITY BLVD.
 JACKSONVILLE, FL 32207

PROJECT NO. 1114-90
 CONTRACT NO. NA
 ISSUE DATE 11/14/00
 ISSUE NO. 001

COASTAL STORM RISK MANAGEMENT PROJECT
 SOUTH PALM BEACH COUNTY
 PARTIAL CONSTRUCTION OF A
 BEACH FILL PLAN
 ST. JOHNS COUNTY, FL

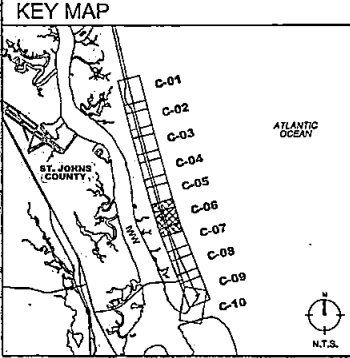
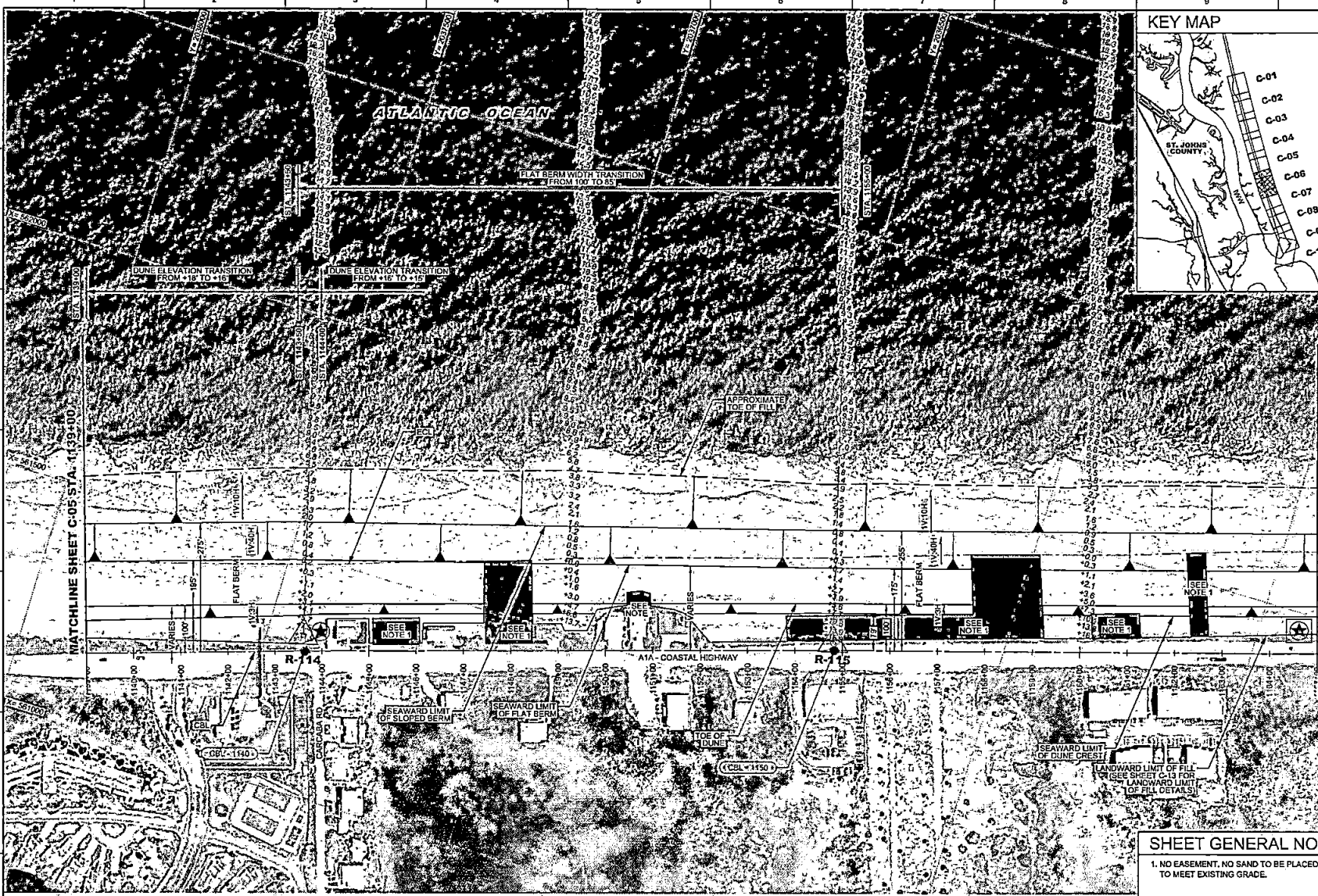
CIVIL
 BEACH FILL PLAN
 STA. 1114+00 TO STA. 1139+00

SHEET GENERAL NOTES

1. NO EASEMENT. NO SAND TO BE PLACED. SLOPE UP AT 1V:2H TO MEET EXISTING GRADE.

BEACH FILL PLAN

SHEET ID
C-05



 US Army Corps of Engineers*		
DATE	DESIGNER	CHECKER

ISSUE DATE	ISSUE NO.
DESIGNED BY	DESIGNED BY
CHECKED BY	CHECKED BY
DATE	DATE

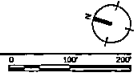
U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT
 1601 W. 8TH STREET, SUITE 2000
 JACKSONVILLE, FL 32207

COASTAL EROSION RISK MANAGEMENT PROJECT
 COUNTY OF ST. JOHNS AND BAY COUNTY
 ST. JOHNS COUNTY, FL

SHEET ID
C-06

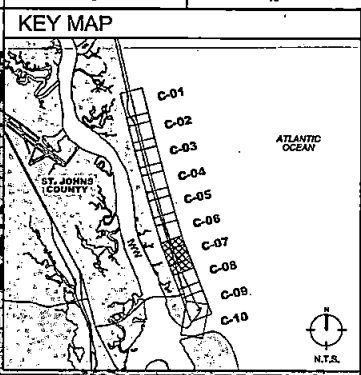
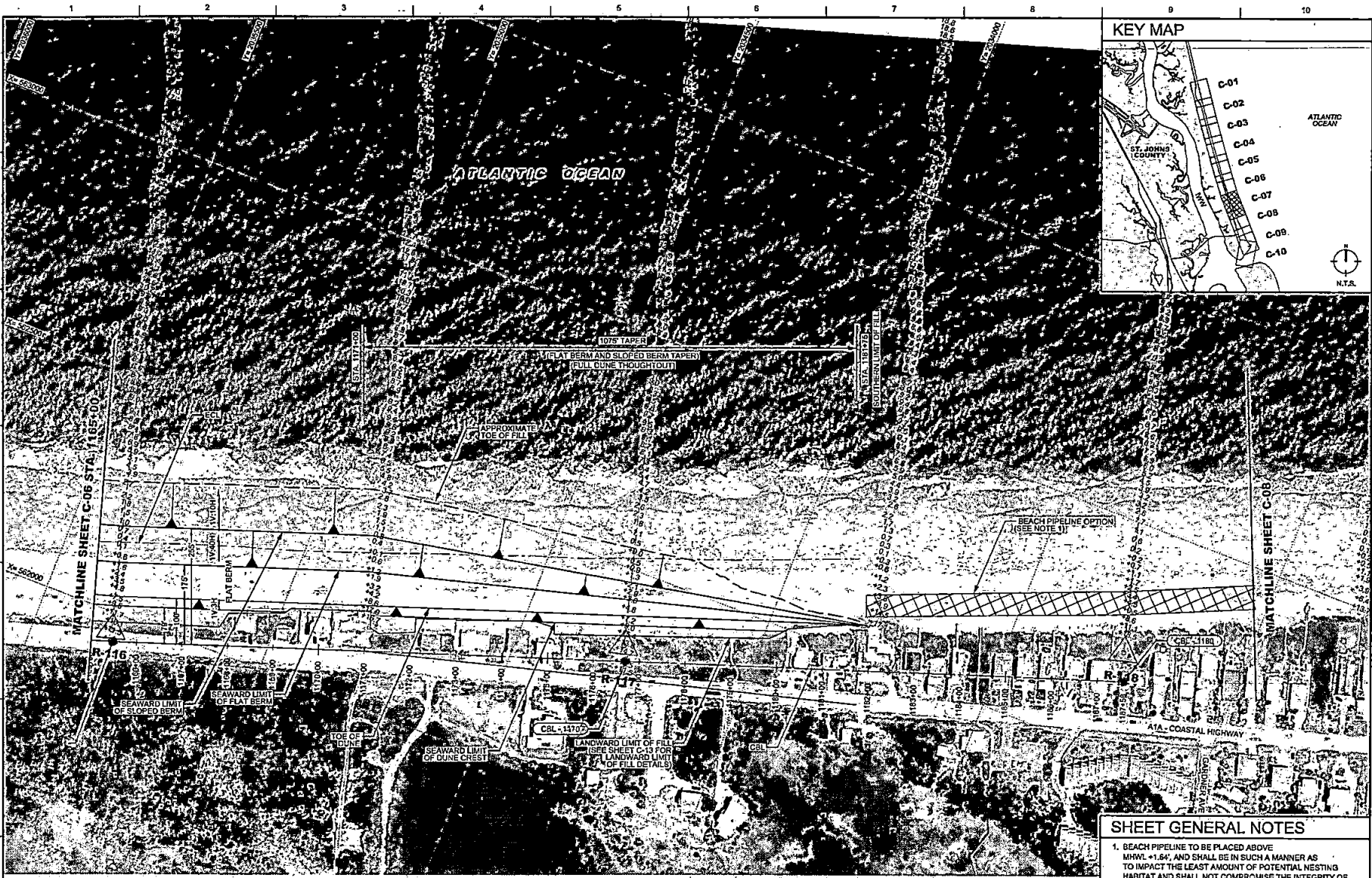
BCOES CERT

SHEET GENERAL NOTES
 1. NO EASEMENT, NO SAND TO BE PLACED, SLOPE UP AT 1V:2H TO MEET EXISTING GRADE.



BEACH FILL PLAN

proj:\C0E-SA-RPWP02\AUX\as\ca\ca.sca.army.mil\SA\RP\Documents\Shore Protection Projects\St Johns Co-113172\Beach Reinforcement 2019 - Vlaro Beach\00 - Plans\05 CV-C-06



US Army Corps of Engineers

NO.	DESCRIPTION	DATE

DESIGN DATE: 08/04/2016	DESIGNER: US Army Corps of Engineers
SOLUTION NO.: 14032	DRAWN BY: J. B. HARRIS
GROUP: 1403015	CHECKED BY: D. D. HARRIS
PROJECT NAME: BEACH PIPELINE	DATE: 08/04/2016
SUBMITTED BY: J. B. HARRIS	SCALE: AS SHOWN

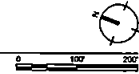
COASTAL STORM RISK MANAGEMENT PROJECT
SOUTH POINTE BEACH AND MARIANA BEACH
14032
ST. JOHNS COUNTY, FL

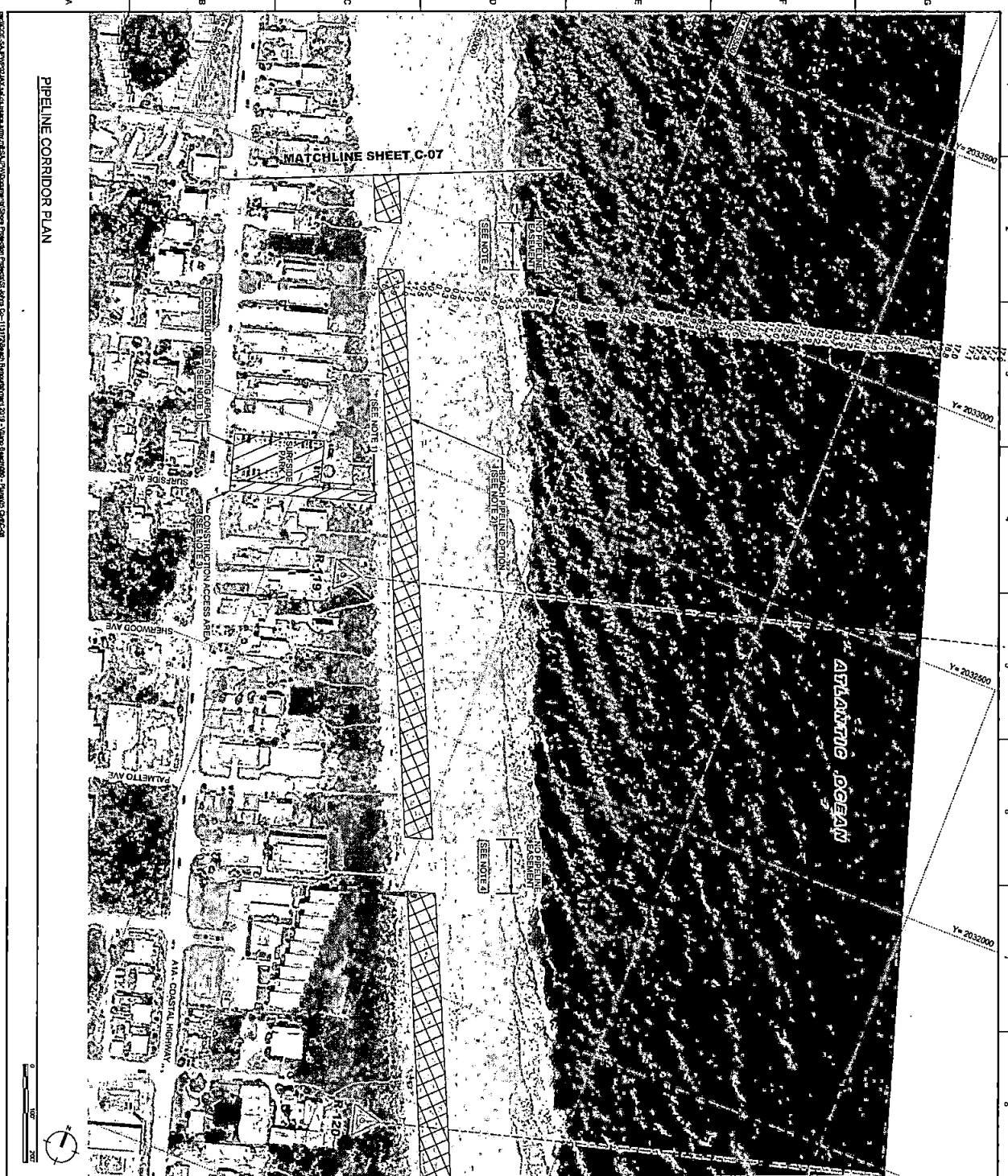
C-07
BEACH FILL PLAN
STA. 1165+00 TO SHEET C-08

SHEET GENERAL NOTES

1. BEACH PIPELINE TO BE PLACED ABOVE MHWL +1.6'; AND SHALL BE IN SUCH A MANNER AS TO IMPACT THE LEAST AMOUNT OF POTENTIAL NESTING HABITAT AND SHALL NOT COMPROMISE THE INTEGRITY OF THE DUNE SYSTEMS OR EXISTING STRUCTURES (I.E. WALKOVERS).

BEACH FILL PLAN

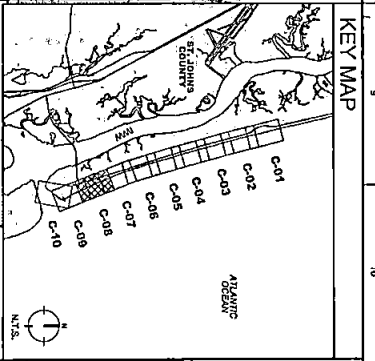




PIPELINE CORRIDOR PLAN

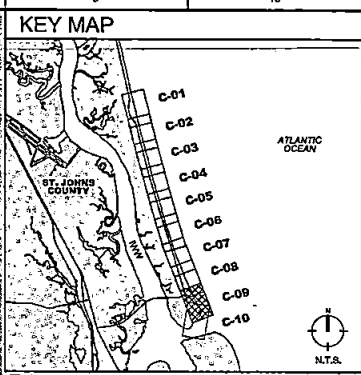
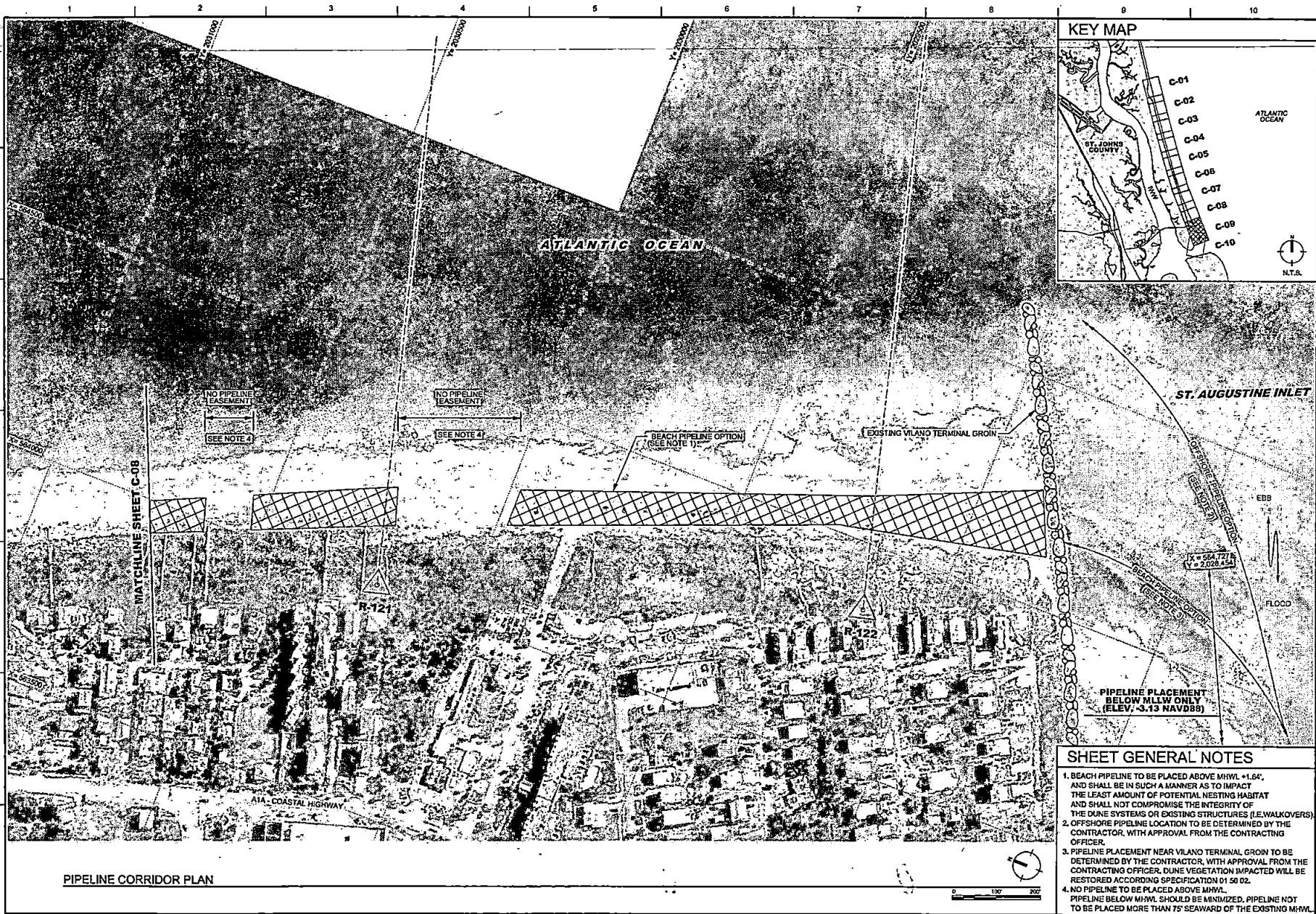
SHEET GENERAL NOTES

1. EXISTING GATE WITH LOCK COORDINATE WITH ST. JOHNS COUNTY PUBLIC WORKS FOR ACCESS.
2. BENCH PRELIME TO BE PLACED ABOVE HWY. 1187 AND SHALL BE IN SUCH A MANNER AS TO NOT IMPAIR THE INTEGRITY OF THE DUNE SYSTEMS OR EXISTING STRUCTURES (E.G. WALKOVERS).
3. CONSTRUCTION ACCESS AREA IS TO REMAIN OPEN TO THE CONSTRUCTION FACILITIES SECTION STAGING AND ACCESS AREAS FOR MORE DETAILS.
4. NO PRELIME TO BE PLACED ABOVE HWY. 1187. PRELIME BELOW HWY. 1187 SHOULD BE MINIMIZED. PRELIME NOT TO BE PLACED MORE THAN 75 SEWARD OF THE EXISTING HWY. 1187.



SHEET ID C-08	CIVIL PIPELINE CORRIDOR PLAN	U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT 701 SAN MARCO BLVD JACKSONVILLE, FL 32207	DESIGNED BY: W. REILLY DRAWN BY: R. PRITO CHECKED BY: D. DUDLEY SUBMITTED BY:	ISSUE DATE: SOLICITATION NO.: GROUP PLAN NO.: CONTRACT NO.: N/A DRAWING DATE: 01/30/2008	MARK: DESCRIPTION DATE
		COASTAL STORM RISK MANAGEMENT PROJECT SOUTH PONTE VEDRA AND VILANO BEACH INITIAL CONSTRUCTION 2008 ST. JOHNS COUNTY, FL	SIZE: A3(1) D	FILE NAME: CSRMC-16-113172-CW1056.dwg	U.S. Army Corps of Engineers

BCOES CERT



DATE	DESCRIPTION

DESIGNER: U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT 2000 W. UNIVERSITY BLVD JACKSONVILLE, FL 32207	SCALE: AS SHOWN EASTING: 111720 NORTHING: 17060
ISSUE DATE: 11/20/2019 GROUP: 11/20/2019 DRAWN BY: J. B. BERRY CHECKED BY: D. BERRY SUBMITTED BY: J. B. BERRY DATE: 11/20/2019	PROJECT: COASTAL BIODIVERSITY MANAGEMENT PROJECT SOUTH PORT VILANO AND VILANO BEACH VILANO BEACH ST. JOHNS COUNTY, FL

CIVIL
PIPELINE CORRIDOR PLAN

SHEET ID
C-09

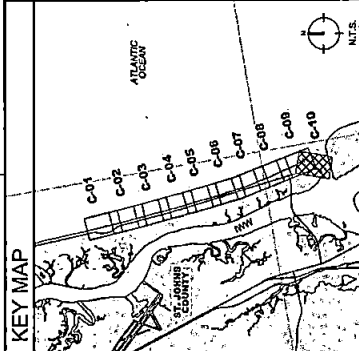
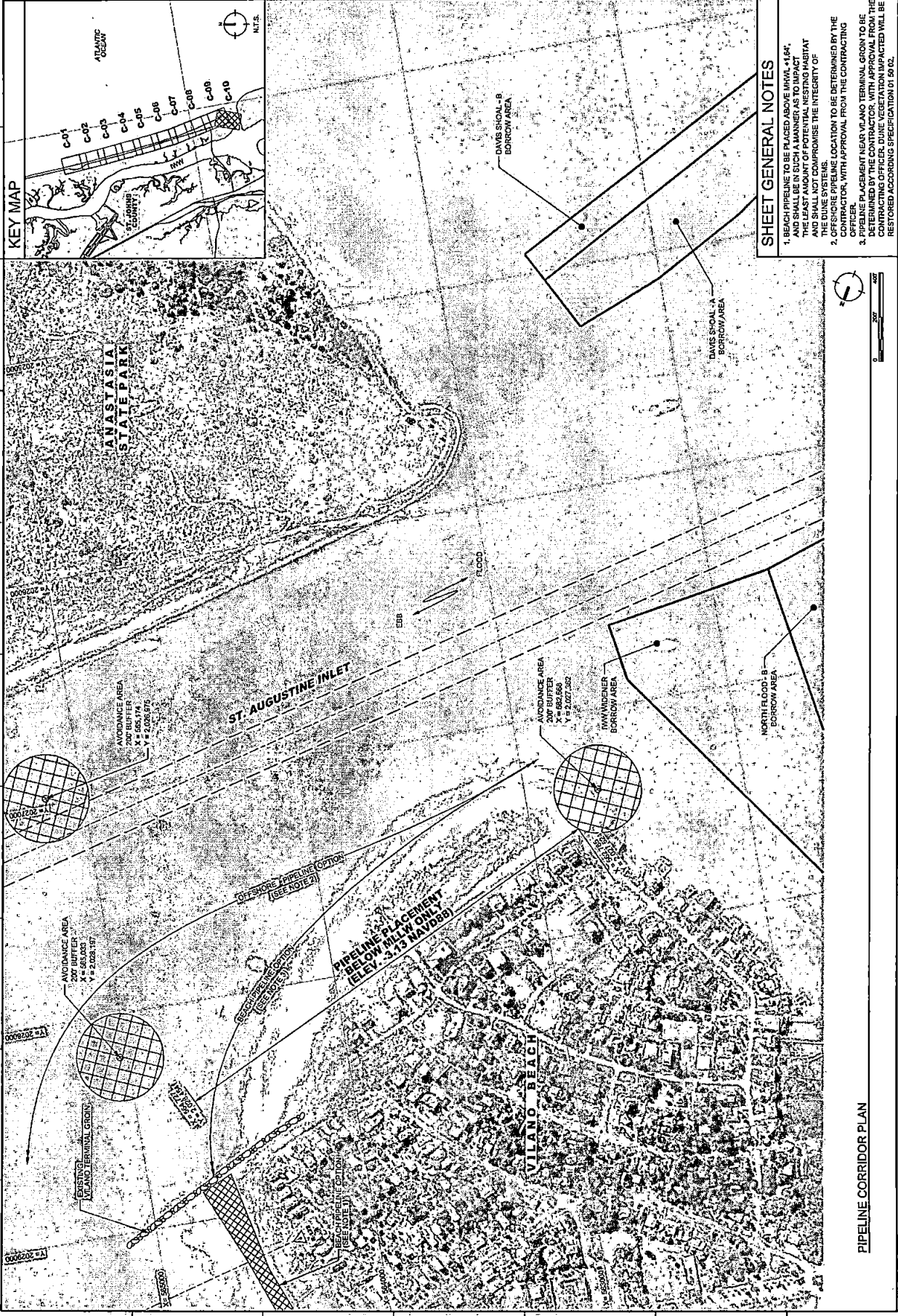
SHEET GENERAL NOTES

1. BEACH PIPELINE TO BE PLACED ABOVE MHWL +1.64' AND SHALL BE IN SUCH A MANNER AS TO IMPACT THE LEAST AMOUNT OF POTENTIAL NESTING HABITAT AND SHALL NOT COMPROMISE THE INTEGRITY OF THE DUNE SYSTEMS OR EXISTING STRUCTURES (E.G. WALKOVERS).
2. OFFSHORE PIPELINE LOCATION TO BE DETERMINED BY THE CONTRACTOR, WITH APPROVAL FROM THE CONTRACTING OFFICER.
3. PIPELINE PLACEMENT NEAR VILANO TERMINAL GROIN TO BE DETERMINED BY THE CONTRACTOR, WITH APPROVAL FROM THE CONTRACTING OFFICER. DUNE VEGETATION IMPACTED WILL BE RESTORED ACCORDING SPECIFICATION 01 50 02.
4. NO PIPELINE TO BE PLACED ABOVE MHWL. PIPELINE BELOW MHWL SHOULD BE MINIMIZED. PIPELINE NOT TO BE PLACED MORE THAN 75' SEAWARD OF THE EXISTING MHWL.

project:\COE-SA-RP\P22\AKA4\GIS\saacs.army.mil\SA-RP\Documents\Shore Protection Projects\St Johns Co-1131720\Beach Renovation\2019 - Vilano Beach\000 - Plans\05 CIV\C-09

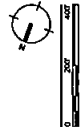
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NAME DESCRIPTION DRAWING NO. CONTRACT NO. LOCATION NO. SCALE SHEET NO. OF TOTAL SHEETS	TITLE PROJECT NO. DRAWING DATE DESIGNED BY CHECKED BY CONTRACT NO. LOCATION NO. SCALE SHEET NO. OF TOTAL SHEETS	U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT JACKSONVILLE, FL 32207 201 SAN MARCO BLVD JACKSONVILLE, FL 32207 PROJECT NO. 11773-CH-10 DRAWING NO. C-10	CORPUS DISTRICT PROJECT SOUTH POINT VILANO AND VILANO BEACH 8714 CONSTRUCTION RD ST. JOHNS COUNTY, FL PIPELINE CORRIDOR PLAN CIVIL

SHEET ID
C-10



SHEET GENERAL NOTES

1. BEACH PIPELINE TO BE PLACED ABOVE MLLW +1.64', AND SHALL NOT COMPROMISE THE INTEGRITY OF THE DUINE SYSTEMS.
2. OFFSHORE PIPELINE LOCATION TO BE DETERMINED BY THE CONTRACTOR, WITH APPROVAL FROM THE CONTRACTING OFFICER. DUINE VEGETATION IMPACTED WILL BE RESTORED ACCORDING TO SPECIFICATION 01 50 02.
3. PIPELINE PLACEMENT NEAR VILANO TERMINAL GROIN TO BE DETERMINED BY THE CONTRACTOR, WITH APPROVAL FROM THE CONTRACTING OFFICER. DUINE VEGETATION IMPACTED WILL BE RESTORED ACCORDING TO SPECIFICATION 01 50 02.



PIPELINE CORRIDOR PLAN

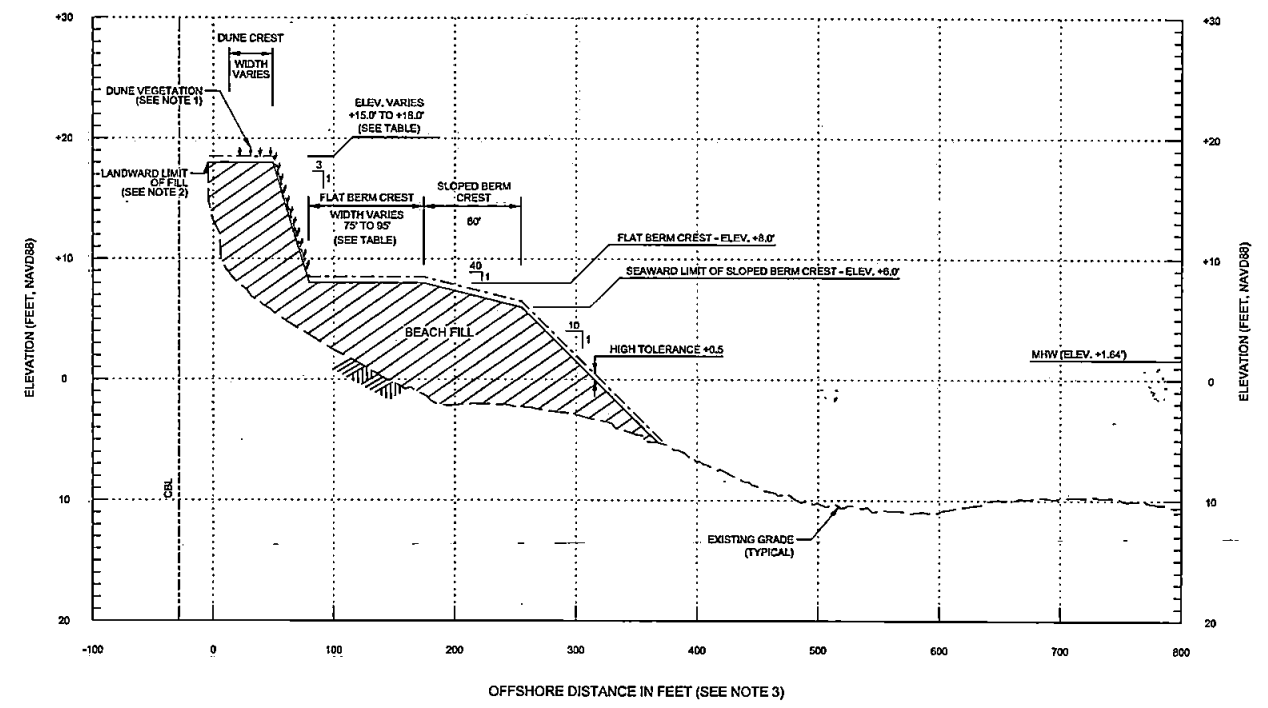
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SHEET GENERAL NOTES

1. SEE SHEET C-14 FOR DUNE VEGETATION DETAILS.
2. SEE SHEET C-13 FOR DETAILED SCENARIOS OF THE LANDWARD LIMIT OF FILL TIE IN.
3. HORIZONTAL DISTANCES ARE SHOWN PERPENDICULAR TO THE CBL. DISTANCES MEASURED ALONG R-MONUMENTS, WILL BE SLIGHTLY DIFFERENT DUE TO MINOR DIFFERENCES IN THE BEARING.

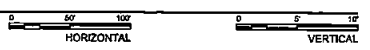


NO.	DATE	DESCRIPTION



STATION OFF CBL	DUNE CREST ELEVATION	DISTANCE OFFSET OF CBL	
		LANDWARD	SEAWARD
STA. 1025+00 TO STA. 1139+00	18'	70'	
STA. 1139+00 TO STA. 1143+50	TRANSITION 18' TO 16'	TRANSITION 70' TO 75'	
STA. 1143+50 TO STA. 1144+00	TRANSITION 18' TO 15'	TRANSITION 75' TO 79'	
STA. 1144+00 TO STA. 1181+50	15'	79'	

STATION ALONG CBL	BERM CREST WIDTH (FEET)		
	TOE OF DUNE	DISTANCE OFFSET OF CBL	
		FLAT	SLOPED
STA. 1025+00	100'	0'	0'
STA. 1025+00 TO STA. 1035+00	100'	TRANSITION 100' TO 195'	TRANSITION 100' TO 275'
STA. 1035+00 TO STA. 1143+50	100'	195'	275'
STA. 1143+50 TO STA. 1155+00	100'	TRANSITION 195' TO 175'	TRANSITION 175' TO 255'
STA. 1155+00 TO STA. 1171+00	100'	175'	255'
STA. 1171+00 TO STA. 1181+50	100'	TRANSITION 175' TO 100'	TRANSITION 255' TO 100'
STA. 1181+50	100'	100'	100'



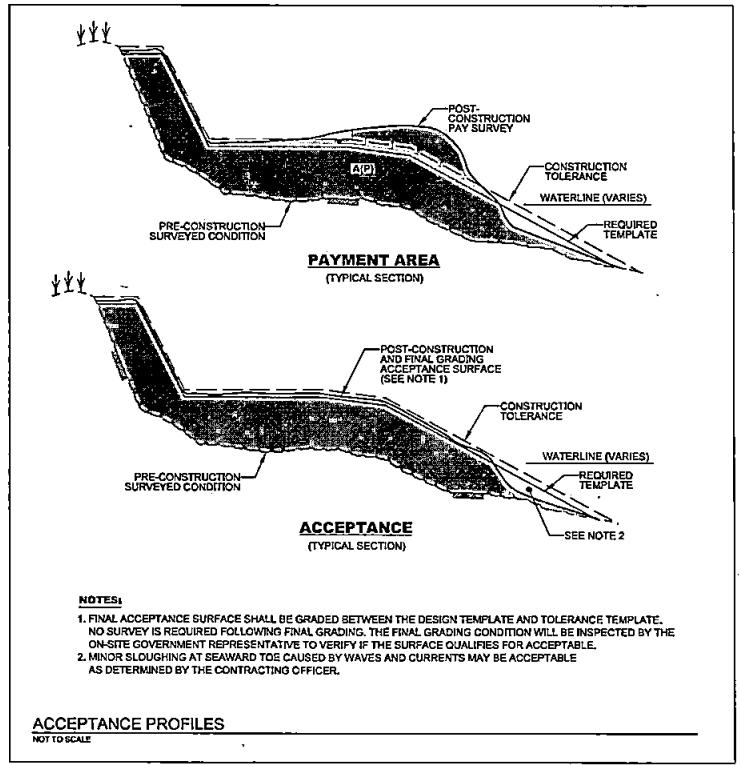
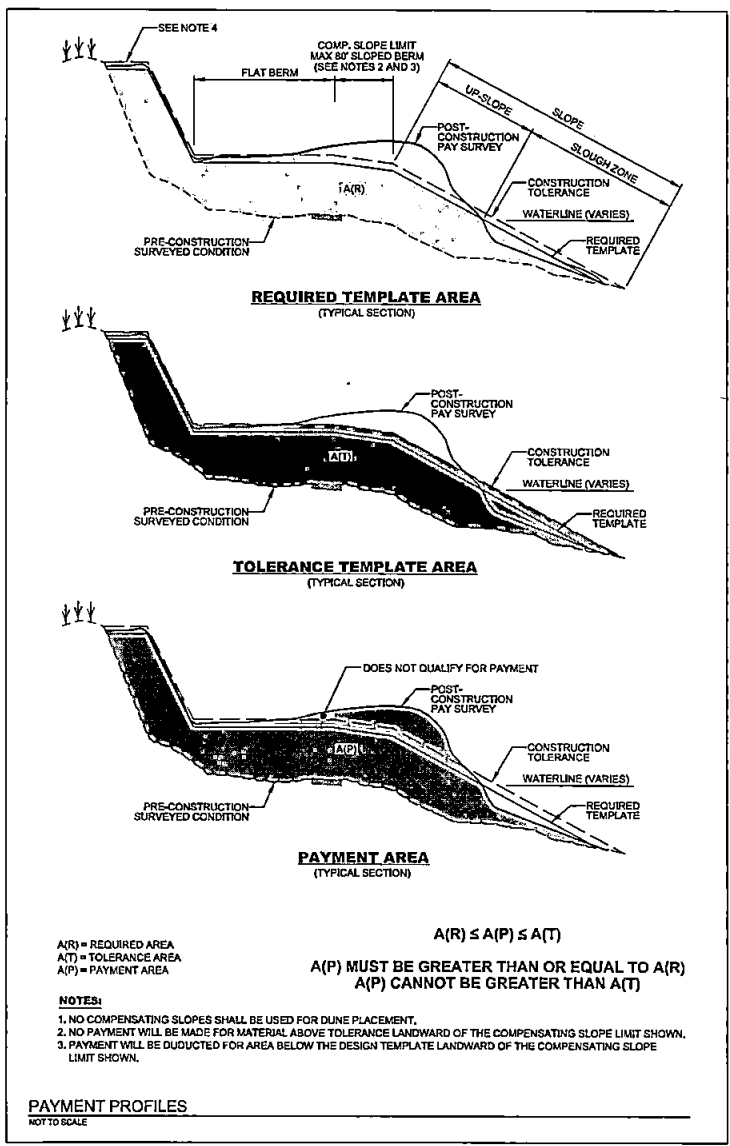
DESIGNED BY:	SUBMIT DATE:
CHECKED BY:	DATE:
DATE:	DATE:
DATE:	DATE:

U.S. ARMY CORPS OF ENGINEERS
JACKSONVILLE DISTRICT
1810 W. UNIVERSITY BLVD.
JACKSONVILLE, FL 32207

COASTAL STORM RISK MANAGEMENT PROJECT
SOUTH POINTE VETERANS AND TRAILS BEACH
AREA
ST. JOHNS COUNTY, FL
CIVIL
BEACH FILL
TYPICAL PROFILE

SHEET ID
C-11

BCOES CERT



US Army Corps of Engineers

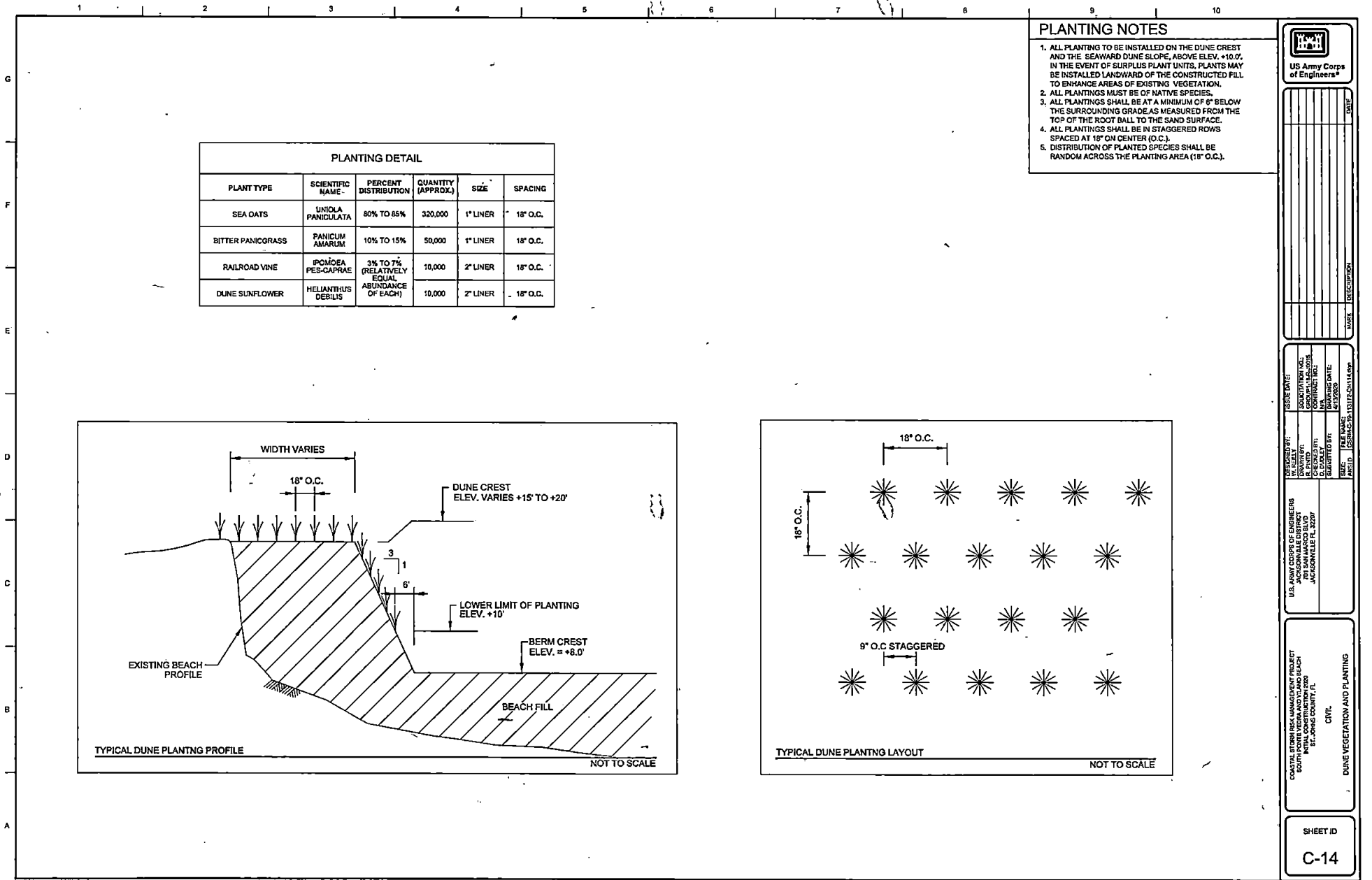
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DESIGN NO.:	DATE:
PROJECT NO.:	DATE:
CONTRACT NO.:	DATE:
CONTRACT DATE:	DATE:
ISSUED BY:	DATE:
APPROVED BY:	DATE:
SCALE:	DATE:
ASST.:	DATE:

U.S. ARMY CORPS OF ENGINEERS
701 SANDHURST ROAD
FORT BELLEVILLE, ILLINOIS 62204-5098

COUNTY: ST. CHARLES
PROJECT: SOUTH FORT BELLEVILLE AND SAND BEACH
INITIAL CONSTRUCTION YEAR: 2008
SHEET NO.: 14

CIVIL
PAYMENT AND ACCEPTANCE PROFILES

SHEET ID
C-12



PLANTING DETAIL

PLANT TYPE	SCIENTIFIC NAME	PERCENT DISTRIBUTION	QUANTITY (APPROX.)	SIZE	SPACING
SEA OATS	UNIOLOA PANICULATA	80% TO 85%	320,000	1" LINER	18" O.C.
BITTER PANICGRASS	PANICUM AMARUM	10% TO 15%	50,000	1" LINER	18" O.C.
RAILROAD VINE	IPOMOEA PES-CAPRAE	3% TO 7% (RELATIVELY EQUAL ABUNDANCE OF EACH)	10,000	2" LINER	18" O.C.
DUNE SUNFLOWER	HELIANTHUS DEBILIS		10,000	2" LINER	18" O.C.

PLANTING NOTES

- ALL PLANTING TO BE INSTALLED ON THE DUNE CREST AND THE SEAWARD DUNE SLOPE, ABOVE ELEV. +10.0'. IN THE EVENT OF SURPLUS PLANT UNITS, PLANTS MAY BE INSTALLED LANDWARD OF THE CONSTRUCTED FILL TO ENHANCE AREAS OF EXISTING VEGETATION.
- ALL PLANTINGS MUST BE OF NATIVE SPECIES.
- ALL PLANTINGS SHALL BE AT A MINIMUM OF 8" BELOW THE SURROUNDING GRADE AS MEASURED FROM THE TOP OF THE ROOT BALL TO THE SAND SURFACE.
- ALL PLANTINGS SHALL BE IN STAGGERED ROWS SPACED AT 18" ON CENTER (O.C.).
- DISTRIBUTION OF PLANTED SPECIES SHALL BE RANDOM ACROSS THE PLANTING AREA (18" O.C.).



US Army Corps of Engineers

DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
PROJECT NO.	
DATE	
TITLE	DESCRIPTION

ISSUE DATE	REVISION NO.
ISSUED BY	GROUP/DATE
REVISION	BY
DATE	
APPROVED BY	DATE
PROJECT NO.	
TITLE	DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT
 JACKSONVILLE, FL 32207
 CIVIL
 DUNE VEGETATION AND PLANTING

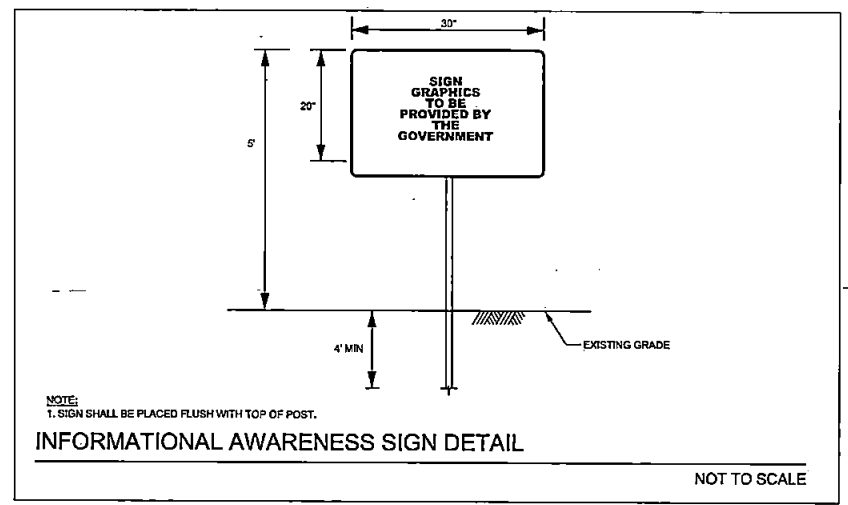
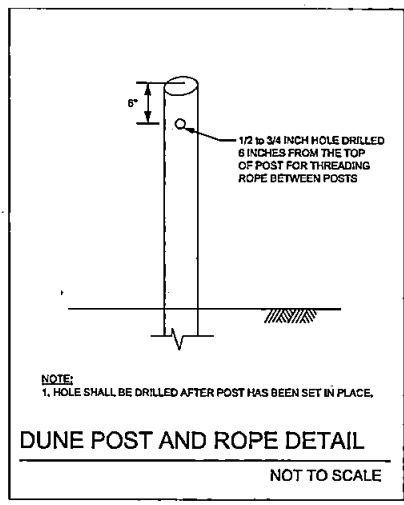
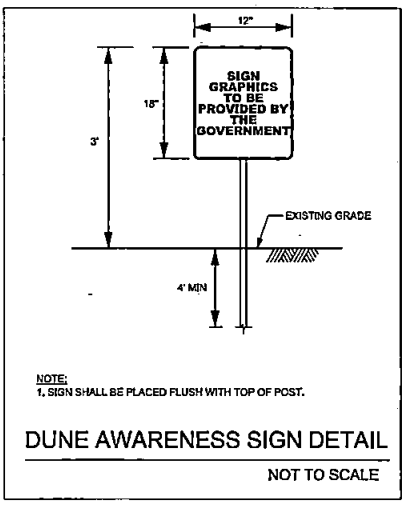
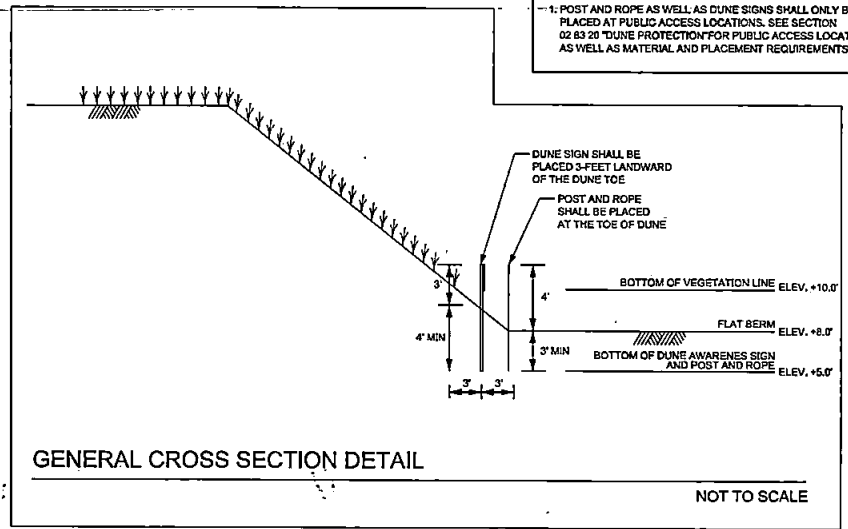
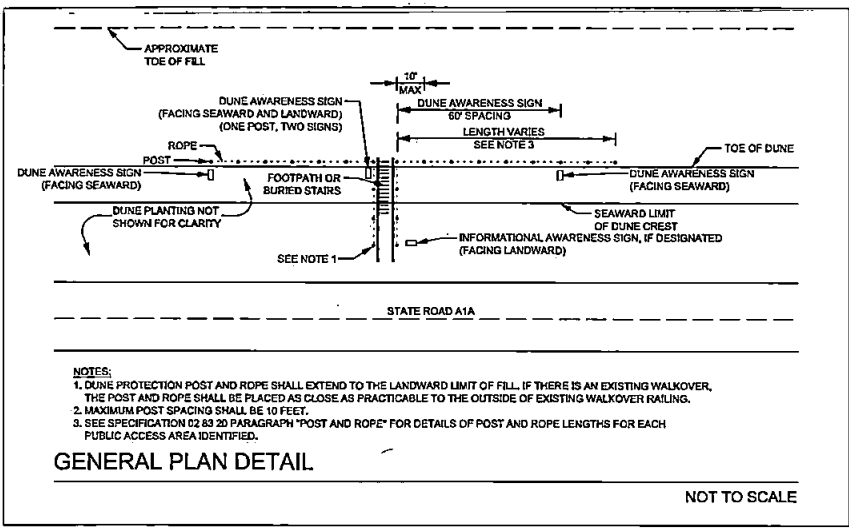
SHEET ID
C-14

SHEET GENERAL NOTES

1. POST AND ROPE AS WELL AS DUNE SIGNS SHALL ONLY BE PLACED AT PUBLIC ACCESS LOCATIONS. SEE SECTION 02 83 20 "DUNE PROTECTION" FOR PUBLIC ACCESS LOCATIONS AS WELL AS MATERIAL AND PLACEMENT REQUIREMENTS.



US Army Corps of Engineers



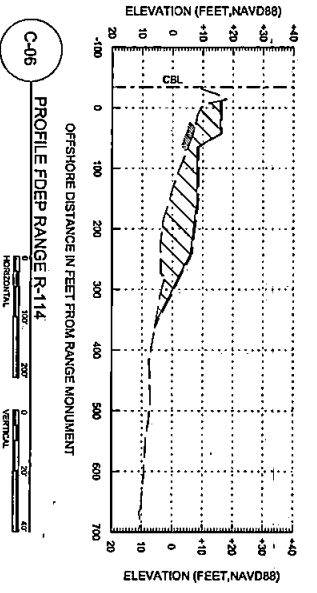
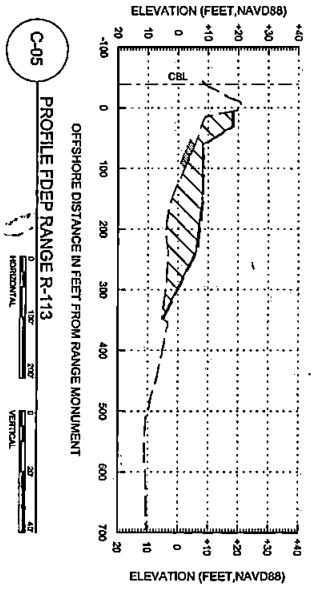
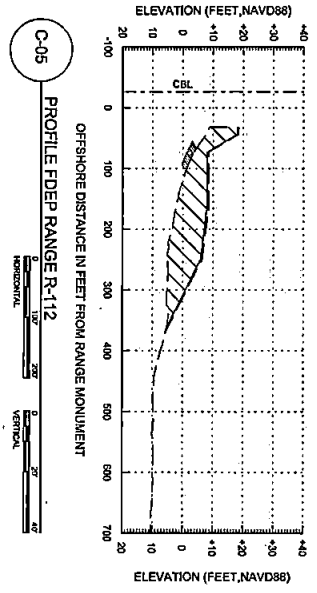
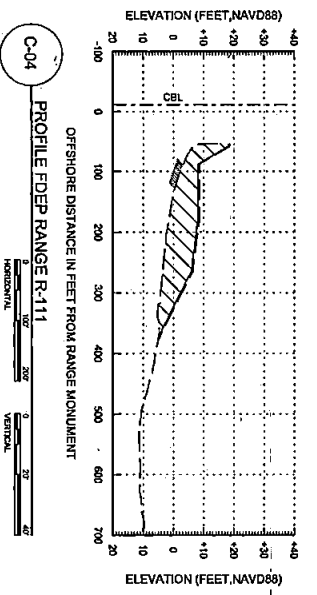
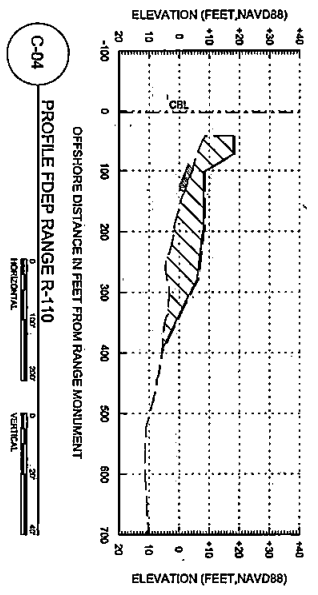
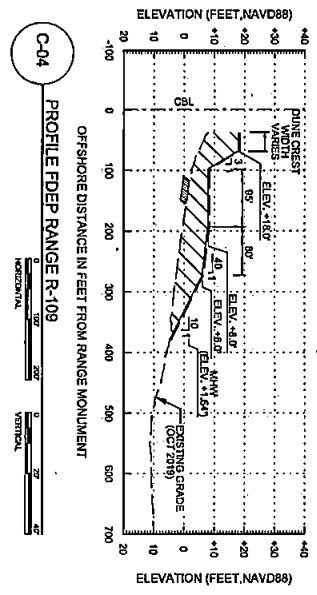
DUNE PROTECTION

NO.	REVISION	DATE

U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT SOUTH PALM BEACH AND WANDSWORTH ST. JOHNS COUNTY, FL	U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT SOUTH PALM BEACH AND WANDSWORTH ST. JOHNS COUNTY, FL	U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT SOUTH PALM BEACH AND WANDSWORTH ST. JOHNS COUNTY, FL	U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT SOUTH PALM BEACH AND WANDSWORTH ST. JOHNS COUNTY, FL
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U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT SOUTH PALM BEACH AND WANDSWORTH ST. JOHNS COUNTY, FL	U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT SOUTH PALM BEACH AND WANDSWORTH ST. JOHNS COUNTY, FL	U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT SOUTH PALM BEACH AND WANDSWORTH ST. JOHNS COUNTY, FL	U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT SOUTH PALM BEACH AND WANDSWORTH ST. JOHNS COUNTY, FL
--	--	--	--

SHEET ID
C-15



PROJECT: COASTAL STORM RISK MANAGEMENT PROJECT, SOUTH PONTE VEDRA AND VILANO BEACH, INITIAL CONSTRUCTION, 2000, ST. JOHN'S COUNTY, FL

DATE: 4/13/2020

FILE NAME: C:\BMAPS\15-113172\CN117.dwg

MARK DESCRIPTION

DATE

US Army Corps of Engineers

BOCES CERT

SHEET ID: C-17

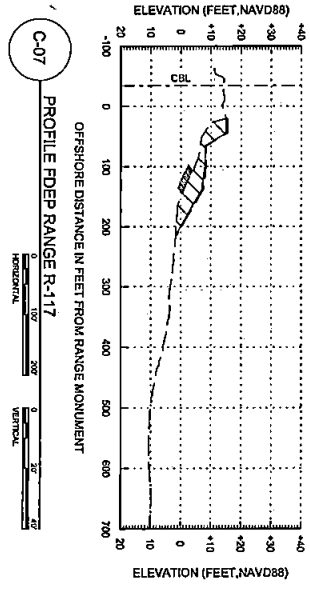
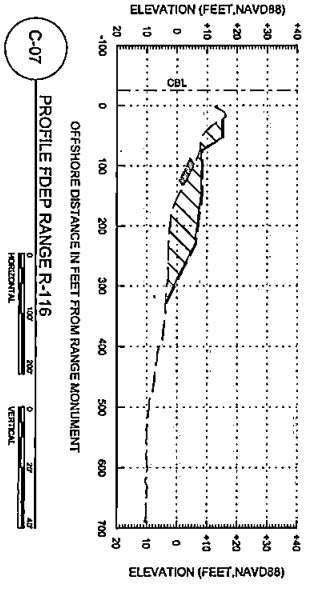
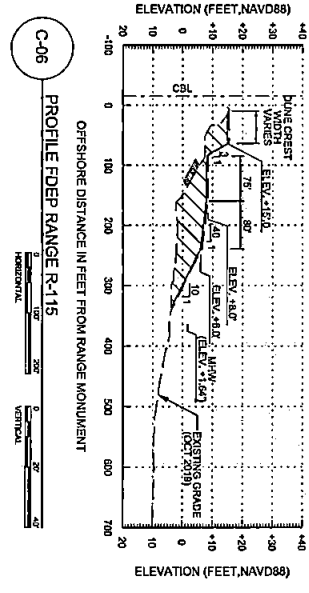
CIVIL BEACH PROFILES R-109 TO R-114

U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT 701 SAN MARCO BLVD JACKSONVILLE FL, 32207

DESIGNED BY: M. KELLY
 DRAWN BY: R. PINTO
 CHECKED BY: D. DUDLEY
 SUBMITTED BY:
 SIZE: A3/11
 ISSUE DATE:
 SOLICITATION NO.: C50RPL15-02005
 CONTRACT NO.: N/A
 DRAWING DATE: 4/13/2020

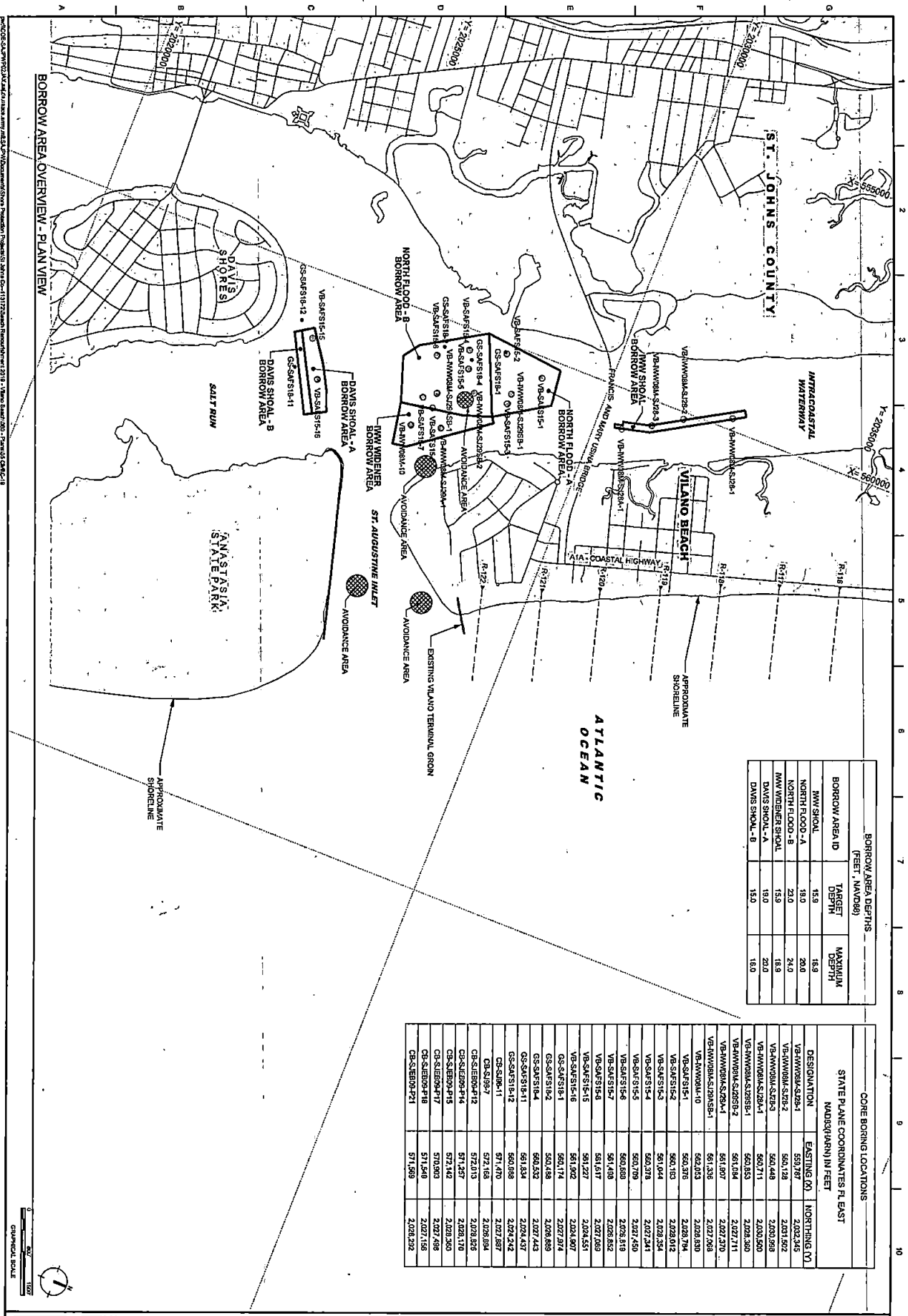
A B C D E F G

1 2 3 4 5 6 7 8 9 10



PROJECT: C:\PROJECTS\2011\11728\11728.dwg; PROJECT: SOUTH PONTE VEDRA AND VILANO BEACH INITIAL CONSTRUCTION 2010; DATE: 08/11/2011; USER: JACOBSON; PLOT: 08/11/2011 10:00:00 AM; PLOT: 08/11/2011 10:00:00 AM

SHEET ID C-18	COASTAL STORM RISK MANAGEMENT PROJECT SOUTH PONTE VEDRA AND VILANO BEACH INITIAL CONSTRUCTION 2010 ST. JOHNS COUNTY, FL CIVIL BEACH PROFILES R-115 TO R-117	U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT 701 SAN MARCO BLVD JACKSONVILLE, FL 32207	DESIGNED BY: IN, REILLY DRAWN BY: R. PINTO CHECKED BY: D. DIXLEY SUBMITTED BY:	ISSUE DATE: SOLICITATION NO.: GROUP 1: BR-0015 CONTRACT NO.: N/A DRAWING DATE: 6/13/2010	FILE NAME: C:\PROJECTS\2011\11728\11728.dwg	MARK DESCRIPTION DATE
		BOCES CERT	US Army Corps of Engineers			



BORROW AREA OVERVIEW - PLAN VIEW

BORROW AREA DEPTHS (FEET / MANDRM)		
BORROW AREA ID	TARGET DEPTH	MAXIMUM DEPTH
MM SHOAL	15.0	16.0
NORTH FLOOD - A	18.0	20.0
NORTH FLOOD - B	22.0	24.0
DAVIS SHOAL - A	15.0	16.0
DAVIS SHOAL - B	15.0	16.0

CORE BORING LOCATIONS STATE PLANE COORDINATES (FEET) NAD83(1983)			
DESIGNATION	EASTING (X)	NORTHING (Y)	MARK
VB-SAFST15-1	593,287	2,022,345	
VB-SAFST15-2	593,287	2,022,345	
VB-SAFST15-3	593,287	2,022,345	
VB-SAFST15-4	593,287	2,022,345	
VB-SAFST15-5	593,287	2,022,345	
VB-SAFST15-6	593,287	2,022,345	
VB-SAFST15-7	593,287	2,022,345	
VB-SAFST15-8	593,287	2,022,345	
VB-SAFST15-9	593,287	2,022,345	
VB-SAFST15-10	593,287	2,022,345	
VB-SAFST15-11	593,287	2,022,345	
VB-SAFST15-12	593,287	2,022,345	
VB-SAFST15-13	593,287	2,022,345	
VB-SAFST15-14	593,287	2,022,345	
VB-SAFST15-15	593,287	2,022,345	
VB-SAFST15-16	593,287	2,022,345	
VB-SAFST15-17	593,287	2,022,345	
VB-SAFST15-18	593,287	2,022,345	
VB-SAFST15-19	593,287	2,022,345	
VB-SAFST15-20	593,287	2,022,345	
VB-SAFST15-21	593,287	2,022,345	
VB-SAFST15-22	593,287	2,022,345	
VB-SAFST15-23	593,287	2,022,345	
VB-SAFST15-24	593,287	2,022,345	
VB-SAFST15-25	593,287	2,022,345	
VB-SAFST15-26	593,287	2,022,345	
VB-SAFST15-27	593,287	2,022,345	
VB-SAFST15-28	593,287	2,022,345	
VB-SAFST15-29	593,287	2,022,345	
VB-SAFST15-30	593,287	2,022,345	
VB-SAFST15-31	593,287	2,022,345	
VB-SAFST15-32	593,287	2,022,345	
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VB-SAFST15-42	593,287	2,022,345	
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VB-SAFST15-46	593,287	2,022,345	
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VB-SAFST15-92	593,287	2,022,345	
VB-SAFST15-93	593,287	2,022,345	
VB-SAFST15-94	593,287	2,022,345	
VB-SAFST15-95	593,287	2,022,345	
VB-SAFST15-96	593,287	2,022,345	
VB-SAFST15-97	593,287	2,022,345	
VB-SAFST15-98	593,287	2,022,345	
VB-SAFST15-99	593,287	2,022,345	
VB-SAFST15-100	593,287	2,022,345	

U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT 101 SAN MARCO BLVD JACKSONVILLE FL, 32207	DESIGNED BY: RELI	ISSUE DATE: 11/11/2020	U.S. Army Corps of Engineers
	DRAWN BY: D. D. ROLEY	SOURCE/NO. NO. 1 2020-11-11	
CIVIL BORROW AREA OVERVIEW	CHECKED BY: D. D. ROLEY	DATE: 11/11/2020	SHEET ID C-19
	SUBMITTED BY: RELI	DATE: 11/11/2020	
COASTAL STORM RISK MANAGEMENT PROJECT SOUTH PONTE VEDRA AND VILANO BEACH INITIAL CONSTRUCTION 200 ST. JOHNS COUNTY, FL		MARK DESCRIPTION DATE	

BOCES CERT



US Army Corps of Engineers

MARK	DESCRIPTION	DATE

DATE: 12/15/2011
 DRAWING DATE: 12/15/2011
 DRAWING BY: JACOM/STP
 CHECKED BY: JACOM/STP
 SCALE: AS SHOWN
 SHEET NO.: 20
 SHEET TOTAL: 20

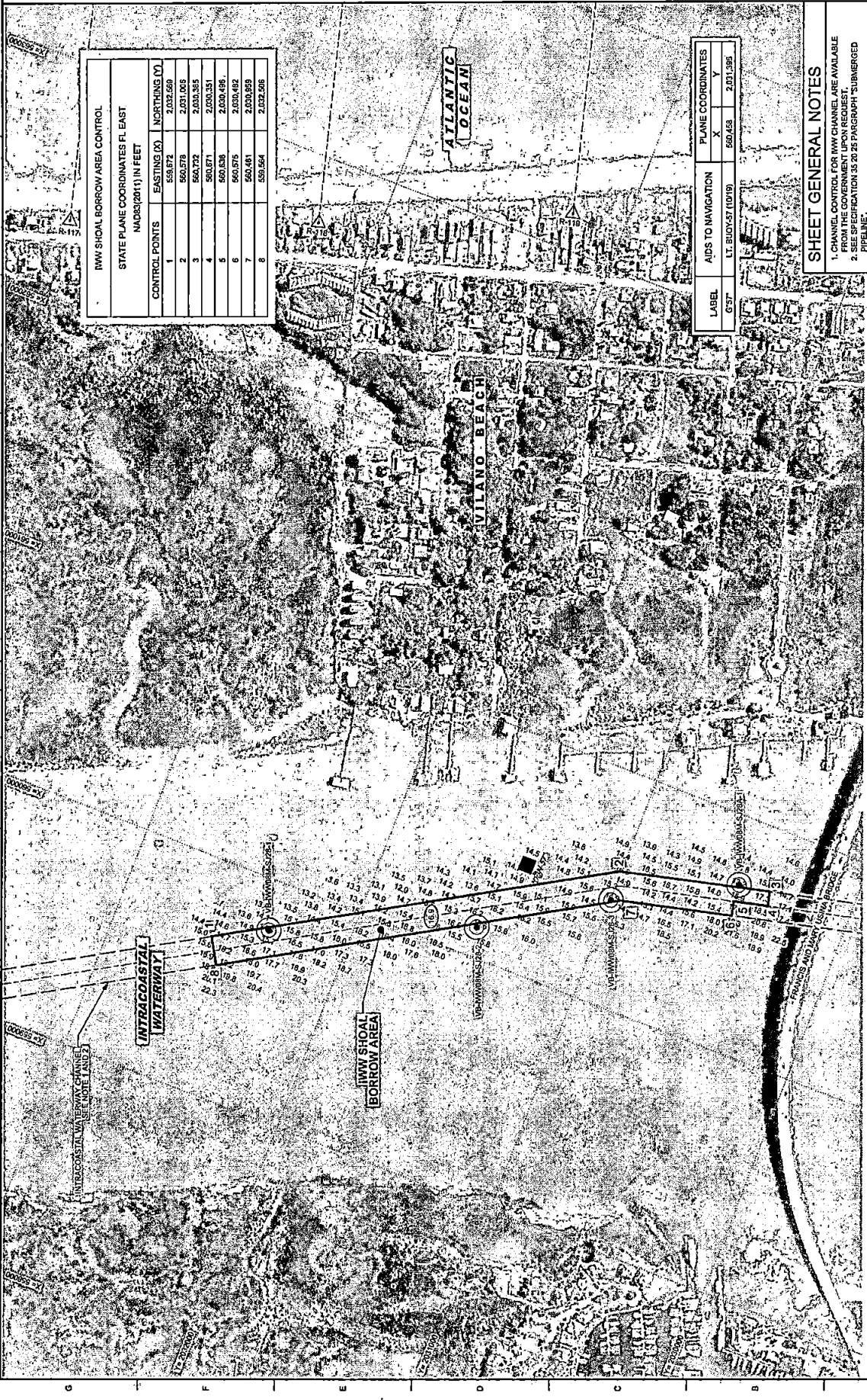
PROJECT: IWW SHOAL BORROW AREA CONTROL
 LOCATION: IWW SHOAL BORROW AREA CONTROL
 DISTRICT: IWW SHOAL BORROW AREA CONTROL
 DIVISION: IWW SHOAL BORROW AREA CONTROL
 BRIGADE: IWW SHOAL BORROW AREA CONTROL
 BATTALION: IWW SHOAL BORROW AREA CONTROL
 COMPANY: IWW SHOAL BORROW AREA CONTROL
 PLANT: IWW SHOAL BORROW AREA CONTROL
 CONTRACT NO.: IWW SHOAL BORROW AREA CONTROL

U.S. ARMY CORPS OF ENGINEERS
 JACKSONVILLE DISTRICT
 1700 SAFFOLD BLVD
 JACKSONVILLE, FL 32207

CONTRACT FORM WORK MANAGEMENT PROJECT
 SOUTH FORK OF THE SAFFOLD BEACH
 BRIDGE AND INFRASTRUCTURE
 ST. JOHNS COUNTY, FL
 BORROW AREA
 CONTROL

SHEET ID
C-20

10
9
8
7
6
5
4
3
2
1



IWW SHOAL BORROW AREA CONTROL
STATE PLANE COORDINATES FL EAST
NAD83(2011) IN FEET

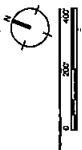
CONTROL POINTS	EASTING (X)	NORTHING (Y)
1	559,672	2,032,569
2	560,578	2,031,065
3	560,792	2,030,365
4	560,671	2,030,351
5	560,638	2,030,496
6	560,675	2,030,482
7	560,481	2,030,959
8	559,564	2,032,506

AIDS TO NAVIGATION

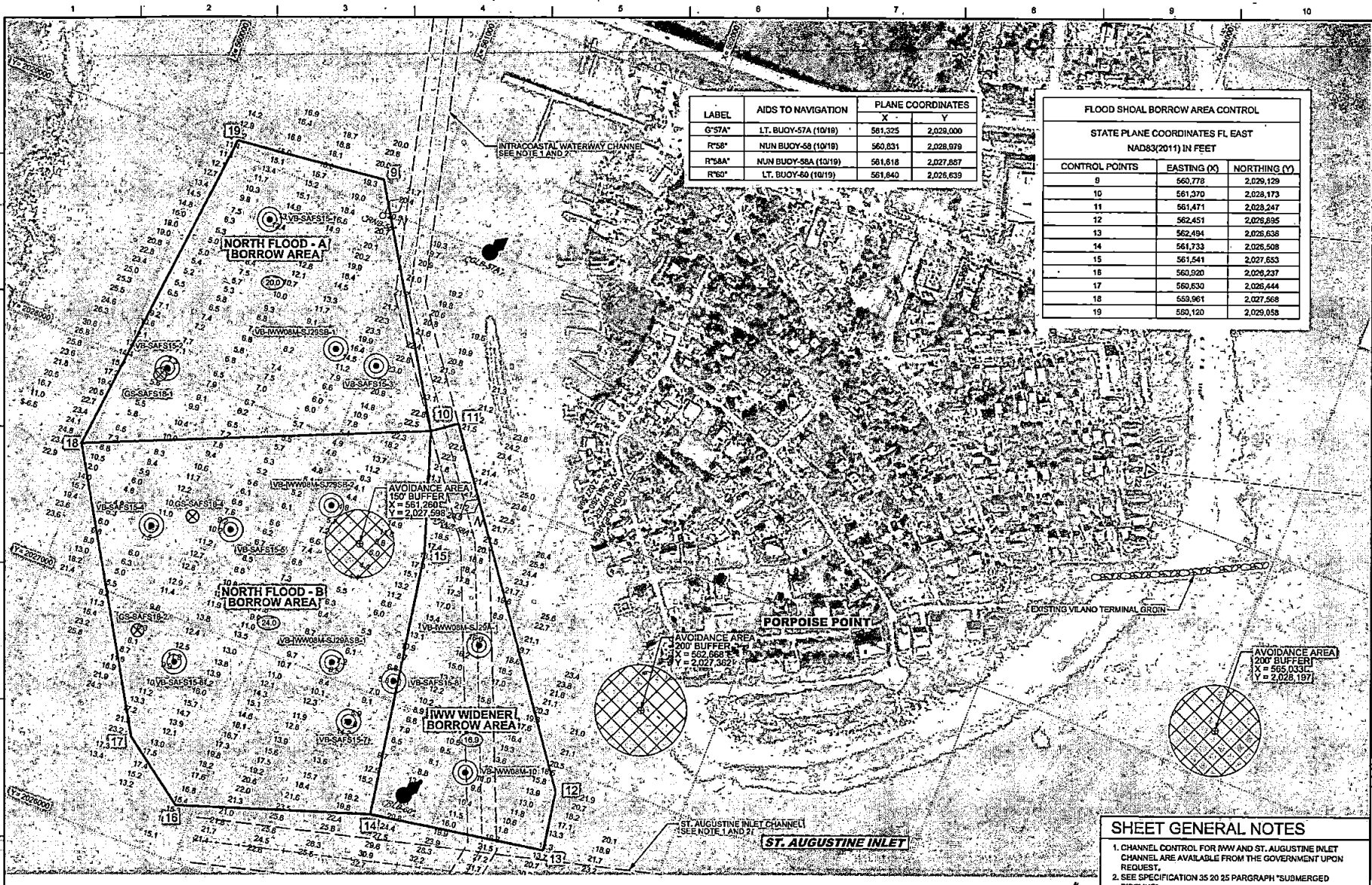
LABEL	PLANE COORDINATES
	X Y
G-57	560,458 2,031,995
LT. BUOY-57 (01019)	

SHEET GENERAL NOTES

1. CHANNEL CONTROL FOR IWW CHANNEL ARE AVAILABLE FROM THE GOVERNMENT UPON REQUEST.
2. SEE SPECIFICATION 35 25 PARAGRAPH "SUBMERGED PIPELINE".



BORROW AREA - IWW SHOAL



LABEL	AIDS TO NAVIGATION	PLANE COORDINATES	
		X	Y
G°57A	LT. BUOY-57A (10/19)	561,325	2,028,000
R°58	NUN BUOY-58 (10/19)	560,831	2,028,979
R°58A	NUN BUOY-58A (10/19)	561,818	2,027,857
R°60	LT. BUOY-60 (10/19)	561,640	2,026,639

FLOOD SHOAL BORROW AREA CONTROL		
STATE PLANE COORDINATES FL EAST NAD83(2011) IN FEET		
CONTROL POINTS	EASTING (X)	NORTHING (Y)
9	560,778	2,029,129
10	561,370	2,028,173
11	561,471	2,028,247
12	562,451	2,026,835
13	562,494	2,026,638
14	561,733	2,026,508
15	561,541	2,027,653
16	560,920	2,026,237
17	560,630	2,026,444
18	559,961	2,027,568
19	560,120	2,029,058



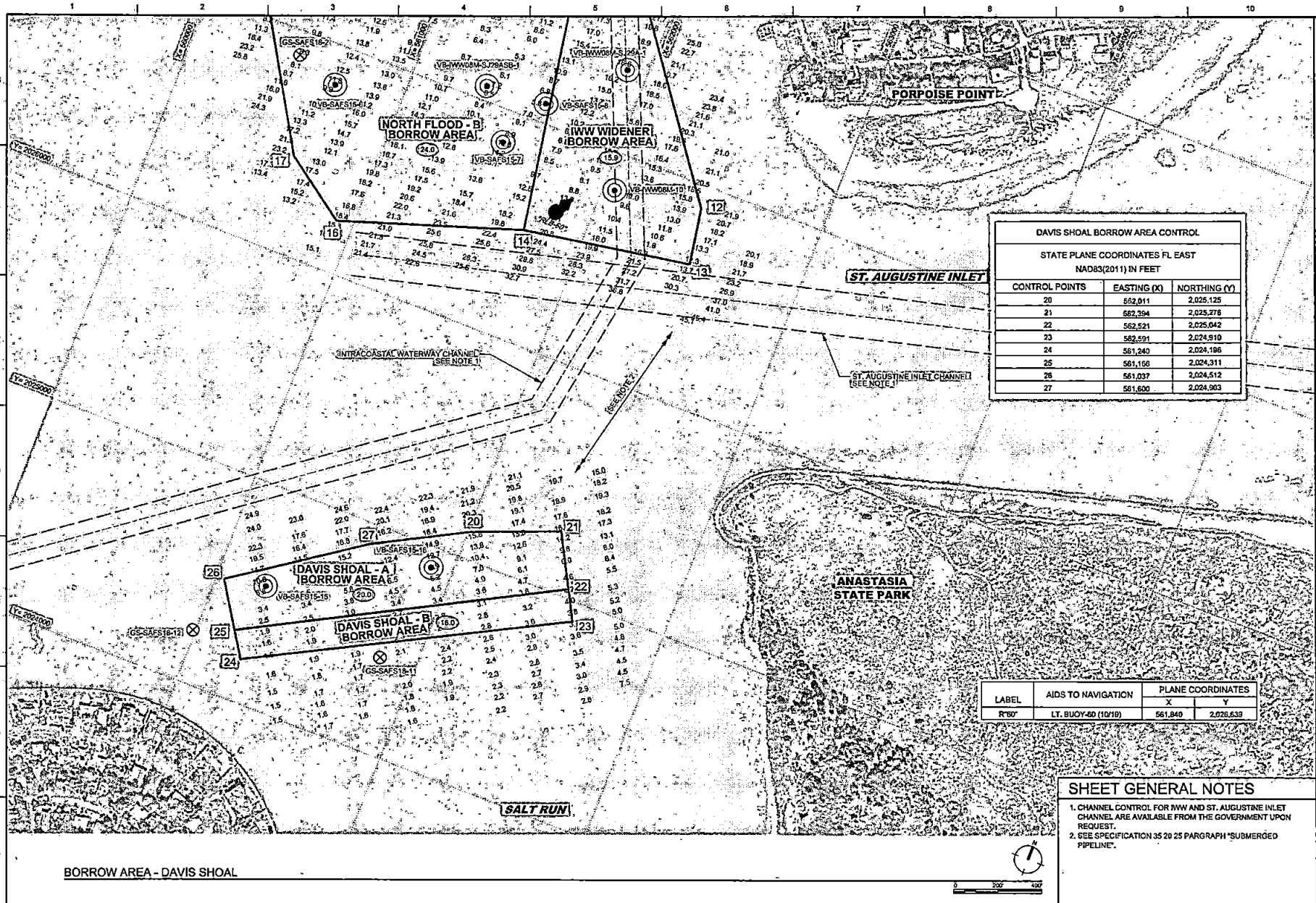
DATE	DESCRIPTION

DRAWN BY: U.S. ARMY CORPS OF ENGINEERS
 CHECKED BY: JACKSONVILLE DISTRICT
 PROJECT NO.: 14CVC000100000000
 CONTRACT NO.: W15CVC000000000000
 DRAWING NO.: C-21
 DATE: 08/20/2015
 SCALE: AS SHOWN
 PROJECT: SOUTH PORT VILANO AND IWW WIDENER
 LOCATION: ST. AUGUSTINE COUNTY, FL

SHEET GENERAL NOTES
 1. CHANNEL CONTROL FOR RWH AND ST. AUGUSTINE INLET CHANNEL ARE AVAILABLE FROM THE GOVERNMENT UPON REQUEST.
 2. SEE SPECIFICATION 35 20 25 PARAGRAPH "SUBMERGED PIPELINE".

SHEET ID
C-21

BCOES CERT



DAVIS SHOAL BORROW AREA CONTROL		
STATE PLANE COORDINATES FL EAST NAD83(2011) IN FEET		
CONTROL POINTS	EASTING (X)	NORTHING (Y)
20	562,011	2,026,125
21	562,394	2,025,276
22	562,521	2,025,042
23	562,591	2,024,910
24	561,240	2,024,186
25	561,156	2,024,311
26	561,037	2,024,512
27	561,600	2,024,903

LABEL	AIDS TO NAVIGATION	PLANE COORDINATES	
		X	Y
R769	LT. BUOY-60 (10'10)	561,840	2,026,638

- SHEET GENERAL NOTES**
1. CHANNEL CONTROL FOR R/W AND ST. AUGUSTINE INLET CHANNEL ARE AVAILABLE FROM THE GOVERNMENT UPON REQUEST.
 2. SEE SPECIFICATION 35 20 25 PARAGRAPH "SUBMERGED PIPELINE".



DATE	BY	REVISION

USAC DATE: _____
 SOLICITATION NO.: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____
 SUBMITTED BY: _____
 DATE: _____
 FILE NAME: _____
 FILE NO.: _____
 PROJECT NAME: _____
 PROJECT NO.: _____
 PROJECT LOCATION: _____
 PROJECT DISTRICT: _____
 PROJECT OFFICE: _____
 PROJECT CITY: _____
 PROJECT STATE: _____

COASTAL STRONG PERS. MANAGEMENT PROJECT
 SOUTH PORTS REEF AND BEACH BEACH
 ST. AUGUSTINE INLET
 ST. JOHNS COUNTY, FL
 DATE:
 BORROW AREA PLAN
 DAVIS SHOAL

SHEET ID

C-22

BCOES CERT