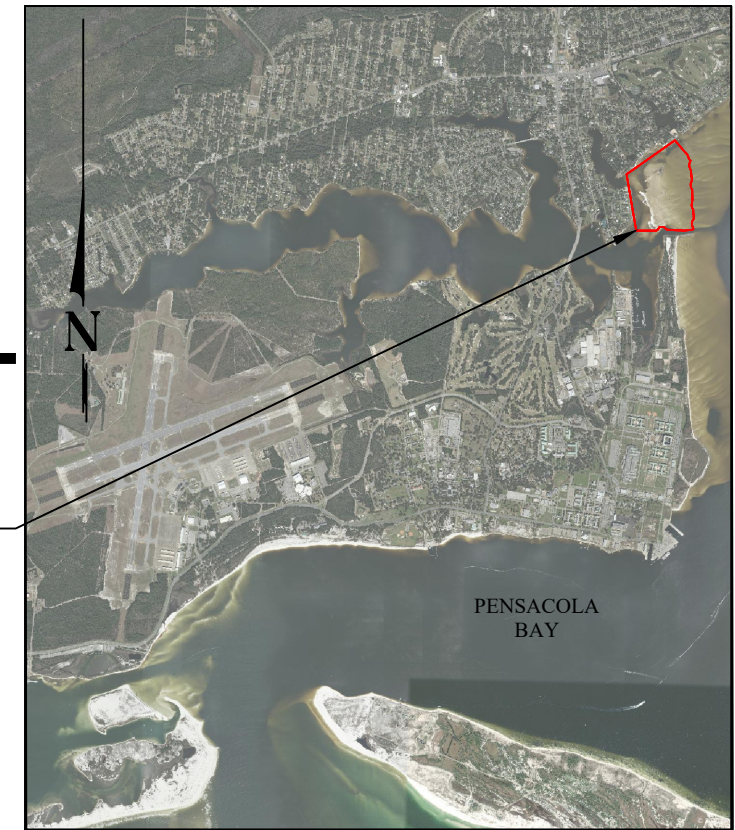




BOARD OF COUNTY COMMISSIONERS
 ESCAMBIA COUNTY, FLORIDA



SITE A

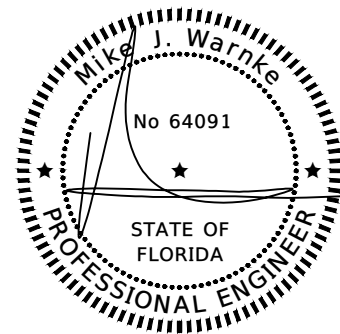
INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	GENERAL NOTES
3	SURVEY NOTES AND QUANTITIES
4	OVERALL SITE PLAN
5	SITE A WHITE ISLAND PLAN
6-8	SITE A WHITE ISLAND LAYOUT
9-10	SITE A WHITE ISLAND DETAILS
11	SITE A AIDS TO NAVIGATION
12-14	SITE A WHITE ISLAND CROSS SECTIONS
15	SITE A WHITE ISLAND DREDGE
16-19	SITE A DREDGE SECTIONS
20-21	SITE A AIDS TO NAVIGATION DETAILS

PLANS PROPOSED FOR
**PENSACOLA BAY LIVING
 SHORELINE - SITE A**

PD 17-18.027/PO 191138
 VOLKERT PROJECT #1033000.840

100% PLANS
 RELEASED FOR CONSTRUCTION
 OCTOBER 2024



PLANS PREPARED BY:



COMMISSIONERS

- DISTRICT ONE JEFF BERGOSH
- DISTRICT TWO MIKE KOHLER
- DISTRICT THREE LUMON MAY
- DISTRICT FOUR ASHLEE HOFBERGER
- DISTRICT FIVE STEVEN BARRY

VICINITY MAP
 NOT TO SCALE

REVISIONS		
ID	DATE	DESCRIPTION
1	5.19.2026	CULTURE RESOURCE AREAS REMOVED

PROJECT MANAGER: TERRI BERRY	
SECTION / TOWNSHIP / RANGE: 1 / 3S / 31	DISTRICT: 2
PROJECT ENGINEER: MIKE WARNKE	REG FLA ENG NO: 64091
SIGNATURE:	DATE:

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE LATEST ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

GENERAL NOTES:

1. THE CONTRACTORS SHALL NOTIFY THE COUNTY DESIGN ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.
2. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
3. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
4. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
5. ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION, AND THE PROVIDED PROJECT SPECIFIC TECHNICAL SPECIFICATIONS.
6. IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:

JOE BARRETT, PSM
 ESCAMBIA COUNTY SURVEYOR
 3363 WEST PARK PLACE
 PENSACOLA, FLORIDA 32505 PH (850) 595-3427

DONALD W. ROWE PSM
 FLORIDA REGISTRATION #4373
 ROWE ENGINEERING & SURVEYING
 3502 LAUGHLIN DRIVE, SUITE B
 MOBILE, AL 36693
 251-666-2766

7. AN ARCHAEOLOGICAL SITE IS LOCATED IN THIS PROJECT. A QUALIFIED PROFESSIONAL ARCHEOLOGIST OR SOMEONE WHO HAS COMPLETED THE DIVISION OF HISTORIC RESOURCE'S (DHR) ARCHAEOLOGICAL RESOURCE MANAGEMENT (ARM) TRAINING PROGRAM MUST BE PRESENT TO MONITOR ALL GROUND-DISTURBING ACTIVITIES OF THE ARCHAEOLOGICAL SITE. THE MONITOR WILL BE REQUIRED TO PREPARE A MONITORING REPORT FOR DHR'S REVIEW AT THE CONCLUSION OF THE PROJECT. IF ANY CULTURAL RESOURCE DEPOSITS ARE DISCOVERED, THE MONITOR WILL DIRECT CONSTRUCTION ACTIVITIES TO OTHER AREAS TO ENABLE RECOVERY AND RECORDATION OF THE DEPOSITS BEFORE PROJECT ACTIVITIES RESUME IN THE AREA. THE RESULTANT REPORT(S) OF SUCH DISCOVERIES WILL BE FORWARDED TO DHR FOR REVIEW.
8. IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH F.S. 872.05.
9. IF ARCHAEOLOGICAL MATERIAL/PREHISTORIC ARTIFACTS SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME, THE PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE APPLICANT/RECIPIENT, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AND THE DSH/FEMA REGION IV ENVIRONMENTAL OFFICER AND FDEM STATE ENVIRONMENTAL LIAISON OFFICER FOR FURTHER GUIDANCE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES.
10. CONTRACTOR SHALL VERIFY ALL EXISTING CONTROLS, ELEVATIONS AND SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
11. ALL DETAILS AND CROSS-SECTIONS SHOWN ON DRAWINGS ARE TYPICAL. DETAIL AND CROSS-SECTIONS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.
12. ALL WORK SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS UNLESS OTHERWISE NOTED.
13. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS AND COORDINATES.
14. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BEST MANAGEMENT PRACTICES FOR CONTROLLING RUNOFF AND TURBIDITY FROM DREDGING AND DREDGED MATERIAL DISPOSAL OPERATIONS BY UTILIZING MEASURES SUCH AS TURBIDITY BARRIERS AND CONTROL OF DREDGING OPERATIONS TO ASSURE DREDGED MATERIAL AND TURBIDITY DOES NOT IMPACT SUBMERGED AQUATIC VEGETATION LOCATED IN THE VICINITY OF THE PROJECT OR EXCEED WATER QUALITY STANDARDS AS SPECIFIED BY THE FDEP. TURBIDITY GENERATED BY THE PROJECT MUST NOT RESULT IN AN INCREASE OF MORE THAN 29 NEPHELOMETRIC TURBIDITY UNITS (NTU) ABOVE BACKGROUND LEVELS IN WATERS OUTSIDE OF A 150 METER MIXING ZONE FROM THE ACTIVITY OR AT THE EDGE OF SAV. TURBIDITY MONITORING AND REPORTING WILL BE CONDUCTED IN ACCORDANCE WITH FDEP REQUIREMENTS AS SET FORTH IN THE PROJECT PERMIT. THE CONTRACTOR WILL ADHERE TO THE FDEP PERMIT CONDITIONS FOR THE PROTECTION OF SUBMERGED AQUATIC VEGETATION/

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL CURRENT OSHA REGULATIONS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE IF THE REQUIRED CONSTRUCTION CAN BE PERFORMED WITHIN THE AREA PROVIDED AND COMPLY WITH THE REQUIREMENTS OF THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROJECTS OF THIS TYPE. ANY SAFETY MEASURES OR METHODS OF CONSTRUCTION THAT ARE NECESSARY IN THE CONSTRUCTING OF THIS PROJECT TO COMPLY WITH THESE REGULATIONS IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE PROVIDED WITH ALL COSTS TO BE INCLUDED IN THE VARIOUS PAY ITEMS OF THE CONTRACT FOR THE REQUIRED WORK.
16. SHOULD THE CONTRACTOR ELECT TO OBTAIN AREAS, OTHER THAN THOSE DESIGNATED ON THE PLANS, FOR THE PURPOSE OF CONSTRUCTION ACTIVITIES, INCLUDING STAGING, STORING OF MATERIALS AND EQUIPMENT OR FOR CONDUCTING WORK OPERATIONS, SHALL FURNISH THE ENGINEER A COPY OF THE AGREEMENT WITH THE PROPERTY OWNER PRIOR TO USING THE AREA. ANY DAMAGE BY THE CONTRACTOR FROM THE SITE USAGE SHALL BE REPLACED IN-KIND AT THE CONTRACTOR'S EXPENSE. NEITHER THE OWNER NOR THE ENGINEER BEARS ANY RESPONSIBILITY OR OBLIGATION ASSOCIATED WITH THE CONTRACTOR'S SAID AGREEMENTS.
17. ELEVATIONS ARE REFERENCED TO NAVD 88 (USING GEOID128) ESTABLISHED BY RTK GPS UTILIZING FDOT NETWORK AS A CONTINUOUS OPERATING REFERENCE STATION.
18. MARINE TRAFFIC THROUGH THE BAYOU GRANDE CHANNEL AND THE GIWW SHALL BE MAINTAINED IN THOSE AREAS WHERE CONSTRUCTION ACTIVITIES ARE TO BE PERFORMED, AND IF REQUIRED, MARINE STOPPAGE SHALL BE KEPT TO A MINIMUM WITHIN THE BAYOU GRANDE CHANNEL WHILE MARINE STOPPAGE WITHIN THE GIWW SHALL BE AVOIDED. PRIOR TO ANY PLANNED MARINE STOPPAGE THE CONTRACTOR SHALL COORDINATE WITH THE NAVY AND U.S. COAST GUARD FOR THE BAYOU GRANDE CHANNEL AND THE U.S. ARMY CORPS OF ENGINEERS MOBILE DISTRICT NAVIGATION SECTION FOR THE GIWW AND THE US COAST GUARD. THE CONTRACTOR SHALL NOT ABANDON A SITE ONCE CONSTRUCTION HAS BEGUN.
19. THE CONTRACTOR WILL COMPLY WITH FLORIDA STANDARD MANATEE CONSTRUCTION CONDITIONS, FOR IN WATER WORK.
20. STORAGE, STOCKPILING OR ACCESS OF EQUIPMENT ON, IN, OVER OR THROUGH SAV, WETLANDS OR VEGETATED DUNES IS PROHIBITED. NO CONSTRUCTION ACTIVITY INCLUDING DREDGED MATERIAL DISPOSAL WILL BE CONDUCTED IN THE EXISTING WETLAND AREA AT ROCK ISLAND.
21. ALL CONSTRUCTION PERSONNEL SHALL BE ADVISED THAT MIGRATORY BIRDS ARE PROTECTED BY THE FLORIDA ENDANGERED AND THREATENED SPECIES ACT OF 1977 (SECTION 372.072, FLORIDA STATUTES), AND THE U.S. FISH AND WILDLIFE SERVICE PURSUANT TO THE MIGRATORY BIRD TREATY ACT OF 1918 AND THE ENDANGERED AND THREATENED SPECIES ACT OF 1982, AS AMENDED. THE CONTRACTOR SHALL NOT HARM OR HARASS THE BIRDS, THEIR EGGS OR THEIR NESTS AS A RESULT OF THE CONSTRUCTION.
22. NO EXISTING NAVIGATION AIDS WILL BE REMOVED WITHOUT THE APPROVAL OF THE NAVY (BAYOU GRANDE CHANNEL AND EXCLUSION ZONE), U.S. ARMY CORPS OF ENGINEERS (GIWW) AND THE U.S. COAST GUARD (ALL NAVIGATION AIDS). NAVIGATION AIDS REMOVED DURING CONSTRUCTION WILL BE RESTORED AFTER CONSTRUCTION IN THAT AREA IS COMPLETE AS PRESCRIBED BY ABOVE ORGANIZATIONS. IF PERMANENT AIDS ARE REMOVED DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE TEMPORARY AIDS TO NAVIGATION AS APPROVED BY THE ABOVE ORGANIZATIONS
23. ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER, NAS PENSACOLA FOR THEIR FACILITIES, AND/OR THEIR DESIGNEES.
24. COMPLIANCE OF NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
25. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
26. MAINTENANCE OF TRAFFIC AS PER FDOT.
27. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
28. CONTRACTOR SHALL OBTAIN COUNTY APPROVED CHANGE ORDER PRIOR TO PERFORMING ANY ADDITIONAL WORK.
29. THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850)595-3472. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/ APPROVAL.
30. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO AND REPLACEMENT OF ANY PRIVATE PROPERTY WITHIN OR AROUND THE PROJECT I.E. DOCKS, PIERS, BOATS, SEAWALLS, ETC.
31. EOR, CEI AND/OR COASTAL ENGINEER SHALL INSPECT AND CONFIRM ALL SAND SOURCE MATERIALS AT REGULAR INTERVALS DURING DREDGING AND PLACEMENT
32. SITE B & C ARE LOCATED WITHIN NAS PENSACOLA PROPERTY. ALL PERSONNEL WORKING WITHIN THESE AREAS WILL NEED TO MEET NAS PENSACOLA ACCESS REQUIREMENTS. ACCESS TO THESE AREAS WILL NEED TO BE APPROVED AND COORDINATED WITH MR. STEPHEN OPALENIK, NAS COMMUNITY PLANNING & LIAISON OFFICES, OFFICE- 850-452-8715; DSN 459; CELL- 850-619-5079; EMAIL- STEPHEN.J.OPALENIK@NAVY.MIL

32. NO SITES ARE DIRECTLY LOCATED WITHIN THE NAS EXPLOSIVE ARC, BUT WORK AT SITE B MAY PUT PERSONNEL TEMPORARILY IN THE MAGAZINE POINT EXPLOSIVE ARC.
33. CONTRACTOR TO DEVELOP STORM/INCLEMENT WEATHER PLAN TO BE REVIEWED AND APPROVED BY ESCAMBIA COUNTY PRIOR TO THE START OF ANY WORK.
34. CONTRACTOR TO PROVIDE PRE-CONSTRUCTION AND POST-CONSTRUCTION SURVEYS FOR ALL SITES AND ADMIRALS ISLAND. SURVEYS WILL BE USED TO DETERMINE PLACED MATERIALS AND COMPLIANCE WITH COMPLIANCE PLANS. PRE-CONSTRUCTION SURVEY MUST BE COMPLETED AND APPROVED WITHIN ONE MONTH OF STARTING WORK AND POST-CONSTRUCTION SURVEY MUST BE COMPLETED AND APPROVED PRIOR TO RECEIVING FINAL INVOICE.
35. IF CONTRACTOR ENCOUNTERS ANY UNSUITABLE MATERIALS, ENGINEER OF RECORD AND COUNTY SHOULD BE CONTACTED IMMEDIATELY.
36. ALL WORK IS TO PROVIDE A MINIMUM SETBACK OF 25' FROM ALL PRIVATE DOCKS, PIERS, ETC.
37. CONTRACTOR SHALL SUBMIT TO THE APPROPRIATE U.S. COAST GUARD OFFICE, WITH A COPY PROVIDED TO ESCAMBIA COUNTY, APPROPRIATE PROJECT INFORMATION REQUIRED FOR THE BROADCAST NOTICE TO MARINERS AND LOCAL NOTICE TO MARINERS A MINIMUM OF 14 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
38. CONTRACTOR WILL BE REQUIRED TO HAVE EMERGENCY PROCEDURES IN PLACE TO ADDRESS WORKING AROUND NAS PENSACOLA.
39. CELL PHONE CALLS TO 911 ARE ROUTED TO COUNTY DISPATCH WILL NEED TO BE TRANSFERRED TO NAVY 911.
40. THE CONTRACTOR WILL PROVIDE PRE-CONSTRUCTION AND POST-CONSTRUCTION SURVEYS FOR EACH PROJECT SITE. THE COUNTY, EOR, AND CEI SHALL BE PROVIDED WITH THE SIGNED AND SEALED SURVEYS AND CAD FILES INCLUDING .DTM FILES. FINAL QUANTITIES WILL BE COMPUTED USING SURVEY DATA.
41. THE CONTRACTOR WILL PROVIDE ACCESS TO THE PROJECT WORK AREA AS REQUESTED USING THEIR SUPPLIED BOATS AND BARGES FOR THE COUNTY, EOR, CEI STAFF AND/OR THEIR DESIGNEES THROUGHOUT CONSTRUCTION.

EMERGENCY CONTACTS:

US ARMY CORPS OF ENGINEERS , MOBILE DISTRICT, OPERATIONS DIVISION
 WAYLON REGISTER, P.E.
 SITE MANAGER, PANAMA CITY OFFICE
 PHONE: (850) 784-9780

COAST GUARD PENSACOLA
 21 SLAMMER AVE.
 PENSACOLA FL 32508
 PHONE: (850) 453-8282

ARMY CORPS OF ENGINEERS - JACKSONVILLE DISTRICT, PENSACOLA .
 REGULATORY OFFICE
 ATTN: MIA ZARBO
 41 N. JEFFERSON STREET, SUITE 301
 PENSACOLA, FLORIDA 32502

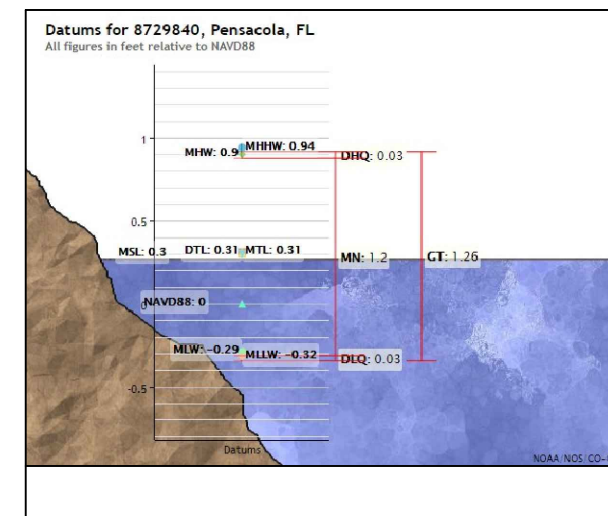
FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION NORTHWEST DISTRICT OFFICE,
 SLER PROGRAM ATTN: KIM ALLEN
 160 W. GOVERNMENT ST. SUITE 308
 PENSACOLA, FLORIDA 32502
 PHONE: (850) 595-0614

FDEP, FORT PICKENS AQUATIC PRESERVE
 ATTN: BETH FUGATE
 PHONE: (850) 417-6028

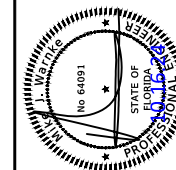
FWC, DIV. OF HABITAT AND SPECIES CONS. KELLY ROBERTS
 HABITAT CONSERVATION SCIENTIFIC SERVICES
 620 S. MERIDIAN STREET, MS 2A
 TALLAHASSEE, FL 32399-1600
 PHONE: (850) 410-0656
 FAX: (850) 921-1847

NAS PENSACOLA
 NAS COMMUNITY PLANNING AND LIAISON OFFICE
 ATTN: STEPHEN OPALENIK
 PHONE (OFFICE): (850) 452-8715
 PHONE (CELL): (850) 619-5079

FLORIDA STATE WARNING POINT
 PHONE (24HR): 1-800-320-0519



DATUM CHART



215 FAIRPOINT DRIVE SUITE B GULF BREEZE, FL 32561 Telephone (850) 512-8935	DATE:
REC'D A. PNO. NO. 28976	DATE:
CHECKED BY: SHEE WARNEKE	DISTRICT:
DESIGNED BY: SAMANTIA CHANDHI	SECTION/TOWNSHIP/RANGE: 512S-30W AND 13S-31W
DATE: 08/04/24	
FIELD BOOK: PAGES:	

DATE:	APPROVED BY:
REVISIONS:	
NUMBER:	
DRAWING NUMBER:	
PROJECT NUMBER:	1033000.848
SURVEY NUMBER:	
SHEET:	2 OF 21

SURVEY NOTES:

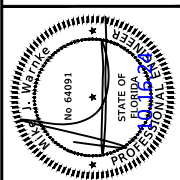
- 1.) TYPE OF SURVEY: TOPOGRAPHIC AND HYDROGRAPHIC
- 2.) HORIZONTAL INFORMATION ON THIS PLAT IS REFERENCED TO FLORIDA STATE PLANE COORDINATE SYSTEM NORTH ZONE.
- 3.) THIS SURVEY WAS ACCOMPLISHED UTILIZING AN AUTOMATED SOUNDING SYSTEM. THE DECIMAL POINT IN THE SOUNDING REPRESENTS THE LOCATION WHERE THE SOUNDING WAS ACQUIRED. ALL SOUNDINGS SHOWN WITH A "-" SIGN ARE DEPTHS BELOW ZERO NAVD 88 DATUM. ALL SOUNDINGS THAT APPEAR WITHOUT A "+" SIGN ARE ELEVATIONS ABOVE ZERO NAVD 88 DATUM. SOUNDINGS ARE IN FEET AND TENTHS,
- 4.) ELEVATIONS ARE REFERENCED TO NAVD 88 (USING GEOID 12B) ESTABLISHED BY RTK GPS UTILIZING FLDOT NETWORK AS A CONTINUOUSLY OPERATING REFERENCE STATION.
- 5.) DATE OF FIELD SURVEY: APRIL - MAY, 2020 & MARCH 2021.
- 6.) STANDARDS OF PRACTICE FOR SURVEYING REQUIRE THAT "THE HORIZONTAL POSITION OF PHYSICAL FEATURES MUST BE PLOTTED TO 1/100TH INCH OF FINAL MAP SCALE." DIMENSIONS "SNAPPED" FROM THE ELECTRONIC VERSION OF THIS MAP SHOULD BE CONSIDERED TO BE NO MORE ACCURATE THAN 1/100TH OF THE MAP SCALE NOTED. CRITICAL CLEARANCE DIMENSIONS MUST BE FIELD CHECKED.
- 8.) SOUNDINGS WERE ACQUIRED WITH A TELEDYNE ODOM ECHOTRAC CV100DF SOUNDER AND 208 KHZ TRANSDUCER.

PENSACOLA BAY LIVING SHORELINE NOTES - SITE A:

- 1.) THE CONTRACTOR IS TO REVIEW AND ABIDE BY ALL REQUIREMENTS OF ALL OF THE PROJECT LIMITS.
- 2.) IN ACCORDANCE WITH THE DEPARTMENT OF ARMY PERMIT NO. SAJ-2019-01849(SP-MZH), THE CONTRACTOR SHALL AVOID GROUND DISTURBING ACTIVITIES, INCLUDING DREDGING, EXCAVATING, ANCHORING, SPUDDING, OR DISCHARGE OF ROCK MATERIALS ON THE SEABED, IN AREAS OF CULTURAL SENSITIVITY, AS DEPICTED IN THE CULTURAL RESOURCES AVOIDANCE AREAS. LOCATION 2 DESIGNATES AN AREA WHERE DISCHARGE OF ROCK MATERIAL IS PERMITTED, HOWEVER, NO DREDGING, ANCHORING, SPUDDING, OR SIMILAR GROUND DISTURBING ACTIVITIES ARE PROHIBITED IN LOCATION 2. THE FILTER FABRIC MUST BE UTILIZED AND PLACED PRIOR TO ROCK DEPLOYMENT TO ACT AS A BARRIER BETWEEN EXPOSED CULTURAL MATERIAL AND DISCHARGED ROCK AT LOCATION 2. THE CONTRACTOR IS TO MARK THE CORNERS OF THE AVOIDANCE AREA IN THE FIELD WITH PVC PIPE, THIS IS TO BE INSTALLED PRIOR TO AND MAINTAINED THROUGHOUT CONSTRUCTION.

Pensacola Bay Living Shoreline - Site A Estimated Quantities				
Site	Pay Item	Description	Quantity	Unit
A	1	Sand	371695	CY
A	2	Rock	23814	Ton
A	3	Geotextile	21206	SY
A	4	Signage	9	EA
A	5	Mobilization/Demobilization	1	LS
A	6	Pre-Construction Survey	1	LS
A	7	Post Construction Survey	1	LS
A	8	Plants- Add Alternate	740917	EA

PENSACOLA BAY LIVING SHORELINE
SURVEY NOTES AND QUANTITIES



215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935

Volkert
Engineers & Surveyors, Inc.
REGISTERED PROFESSIONAL ENGINEER
SAMANTHA CHANDLER
DATE: 08/2024
FIELD BOOK PAGES:

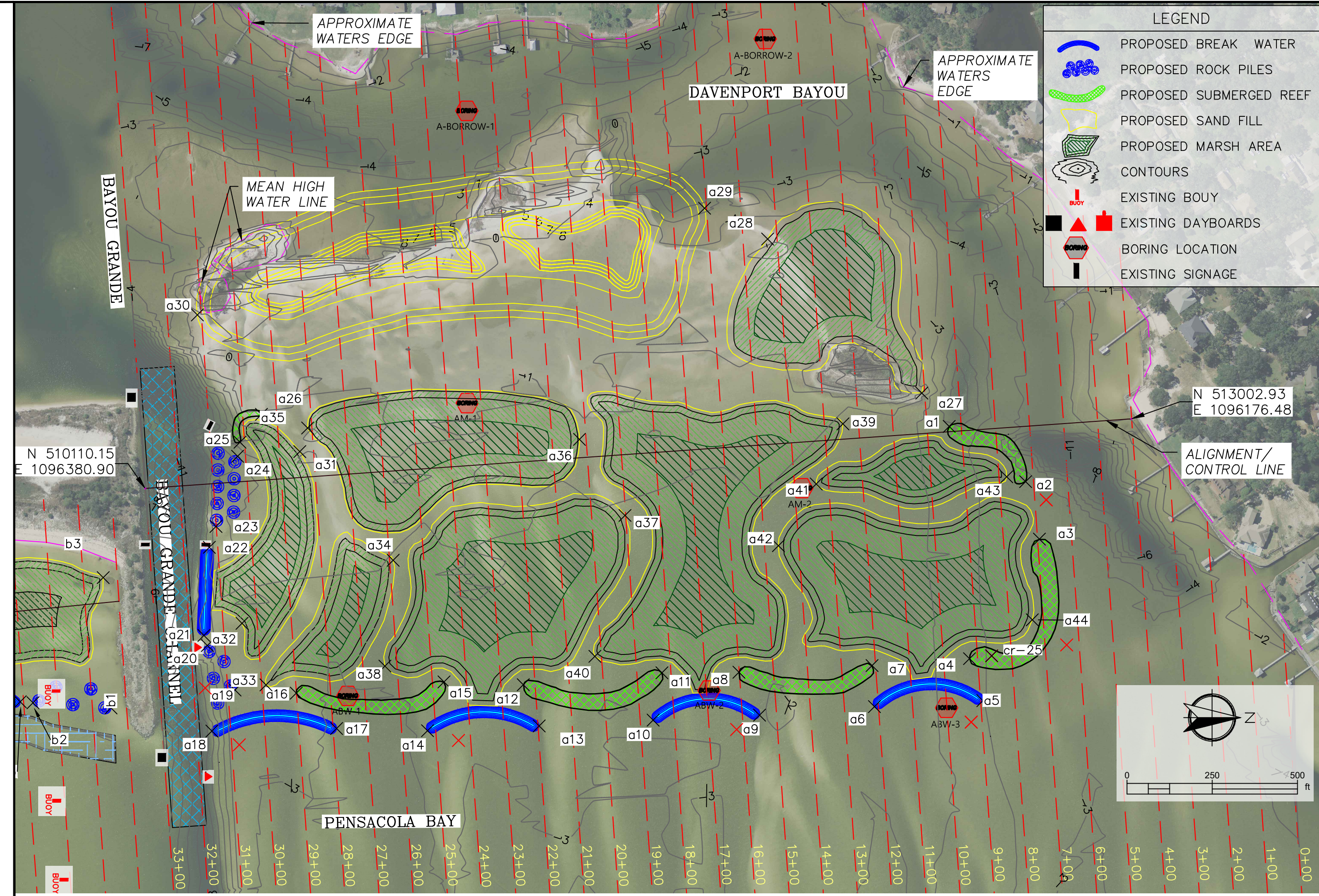
CHECKED BY: MIRE WARNEK
DISTRICT:

REG. P.E. NO. 28976
SIGNATURE:

SECTION, TOWNSHIP RANGE
512S-30W AND 13S-31W

REVISIONS	DATE	APPROVED BY

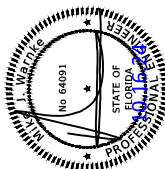
DRAWING NUMBER
PROJECT NUMBER 1033000.848
SURVEY NUMBER
SHEET 3 OF 21



LEGEND

- PROPOSED BREAK WATER
- PROPOSED ROCK PILES
- PROPOSED SUBMERGED REEF
- PROPOSED SAND FILL
- PROPOSED MARSH AREA
- CONTOURS
- EXISTING BOUY
- EXISTING DAYBOARDS
- BORING LOCATION
- EXISTING SIGNAGE

PENSACOLA BAY LIVING SHORELINE
 SITE A WHITE ISLAND LAYOUT



215 FAIRPOINT DRIVE
 SUITE B
 GULF BREEZE, FL 32501
 Telephone (850) 512-8935

Volkert
 Engineers • Surveyors • Planners
 DRAWN BY: SAMANTHA CHANDLER
 CHECKED BY: MIKE WARNKE
 DESIGNED BY: VARIOUS
 DATE: MAY 2024
 QAC/MANAGER: VARIOUS
 DISTRICT: DISTRICT
 SECTION/TOWNSHIP/RANGE: 512530W AND 13531W

DATE	APPROVED BY

DRAWING NUMBER: 1033000.848
 PROJECT NUMBER: 1033000.848
 SURVEY NUMBER:
 SHEET 6 OF 21

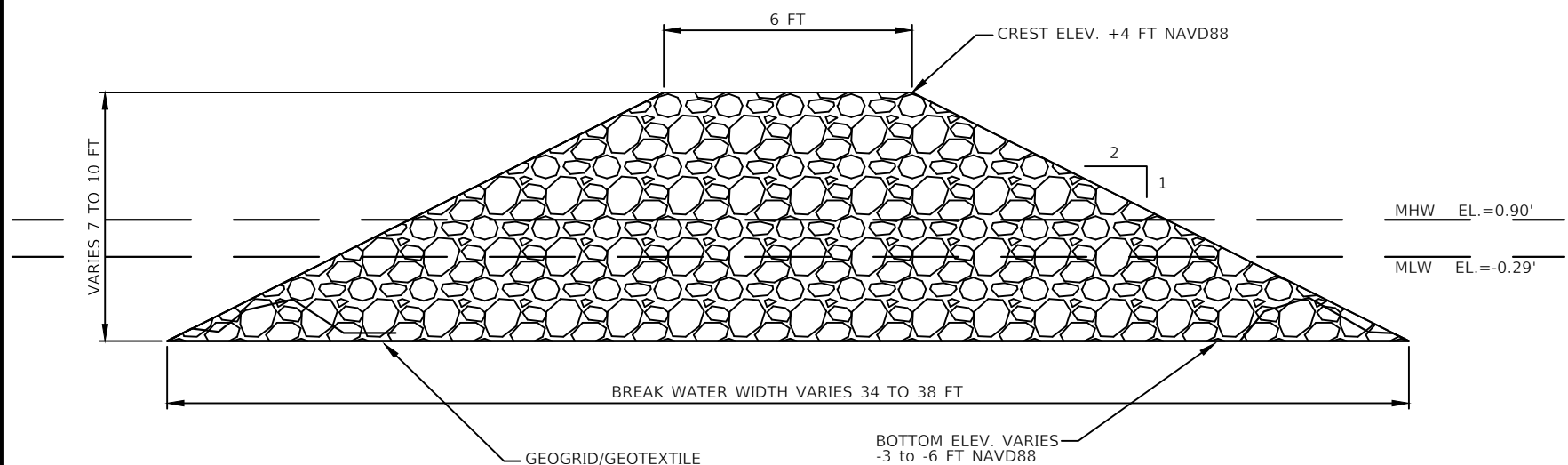
N 510110.15
E 1096380.90

N 513002.93
E 1096176.48



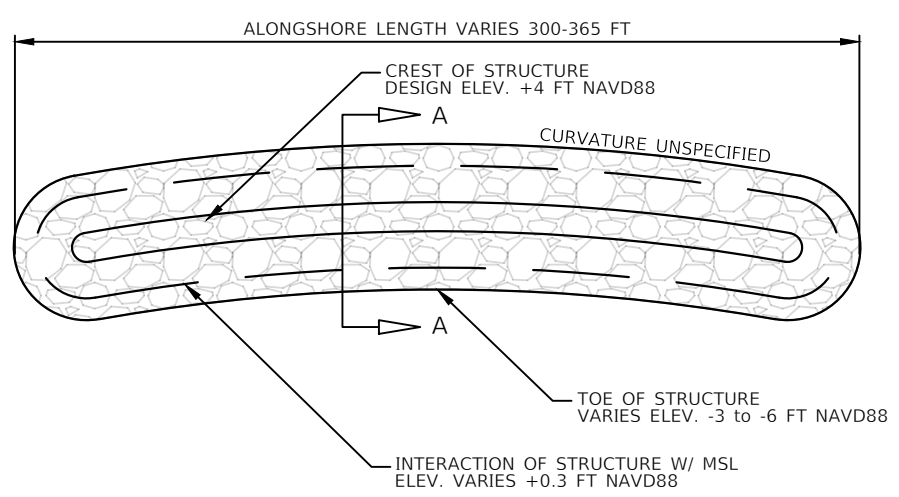
BAYOU GRANDE CHANNEL

33+00
 32+00
 31+00
 30+00
 29+00
 28+00
 27+00
 26+00
 25+00
 24+00
 23+00
 22+00
 21+00
 20+00
 19+00
 18+00
 17+00
 16+00
 15+00
 14+00
 13+00
 12+00
 11+00
 10+00
 9+00
 8+00
 7+00
 6+00
 5+00
 4+00
 3+00
 2+00
 1+00
 0+00



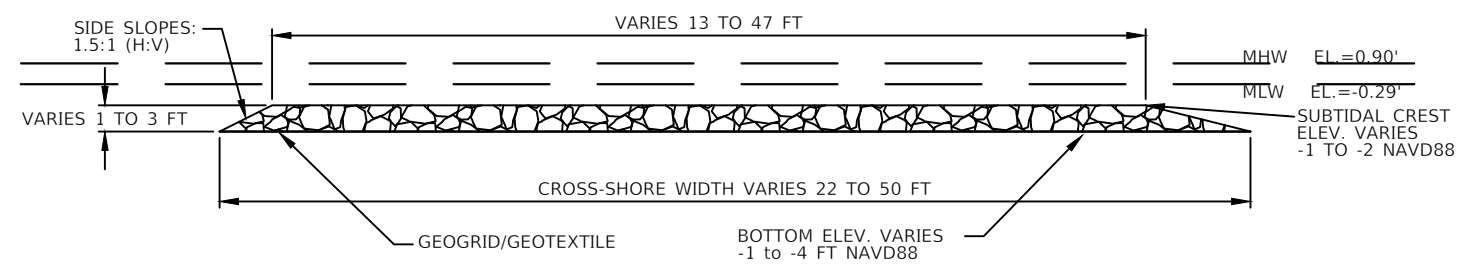
Section View A-A

NOTE:
CONTRACTOR TO REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

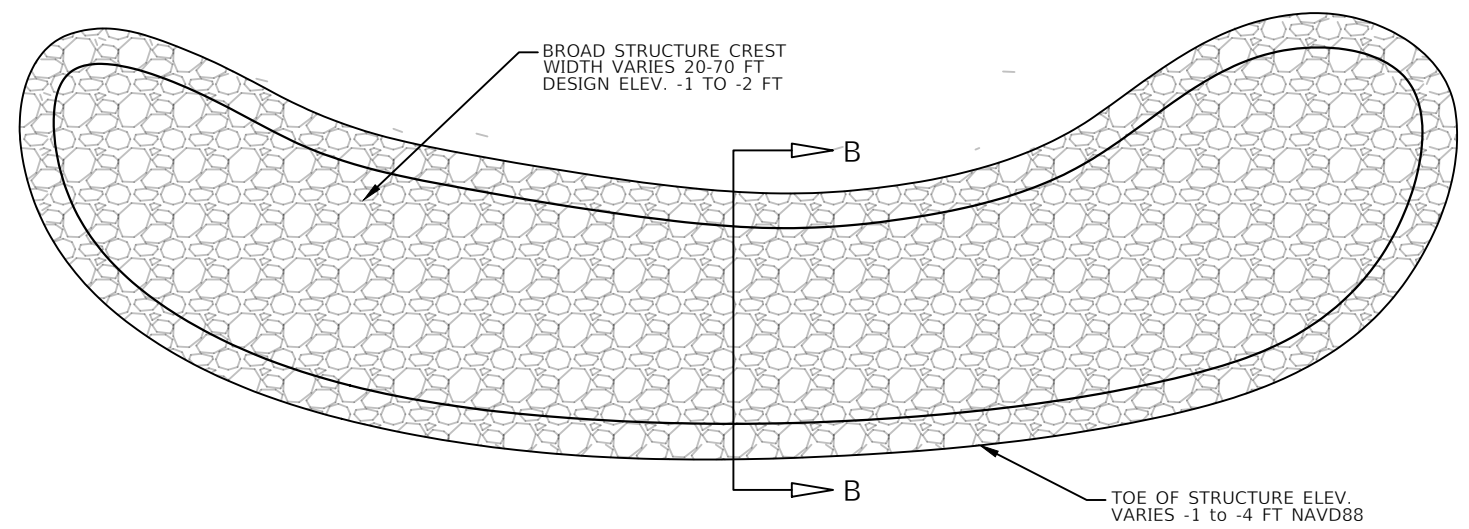


Plan View

Site A Breakwater Details
See sheets 5-7 for layout



Section View B-B



Plan View

Site A Subtidal Reef Details
See sheets 5-7 for layout

NOT TO SCALE

**PENSACOLA BAY LIVING SHORELINE
SITE A WHITE ISLAND DETAILS**

215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935

DATE: 28976
SIGNATURE: [Signature]

DESIGNED BY: SAMANTHA CHANDLER
CHECKED BY: MIKE WARNKE
DATE: MAY 2024
FIELDBOOK PAGES: 51, 25, 30W AND 1, 38, 31W

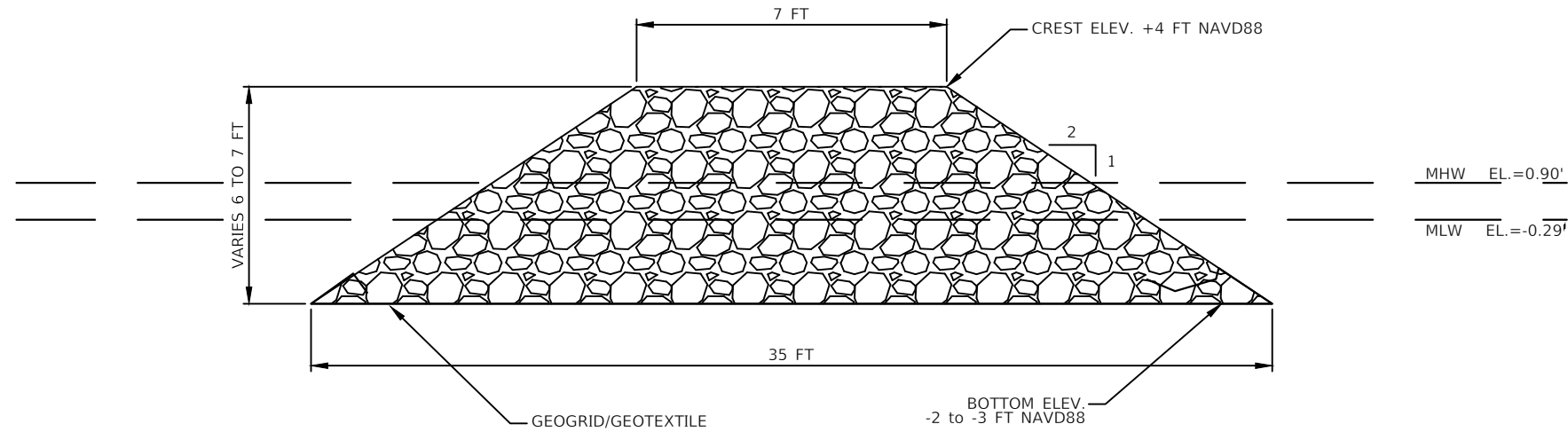
DATE	APPROVED BY

DRAWING NUMBER:

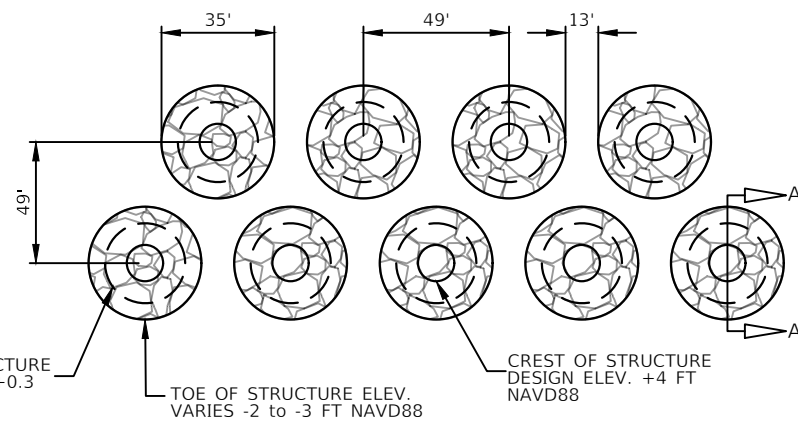
PROJECT NUMBER: 1033000.848

SURVEY NUMBER:

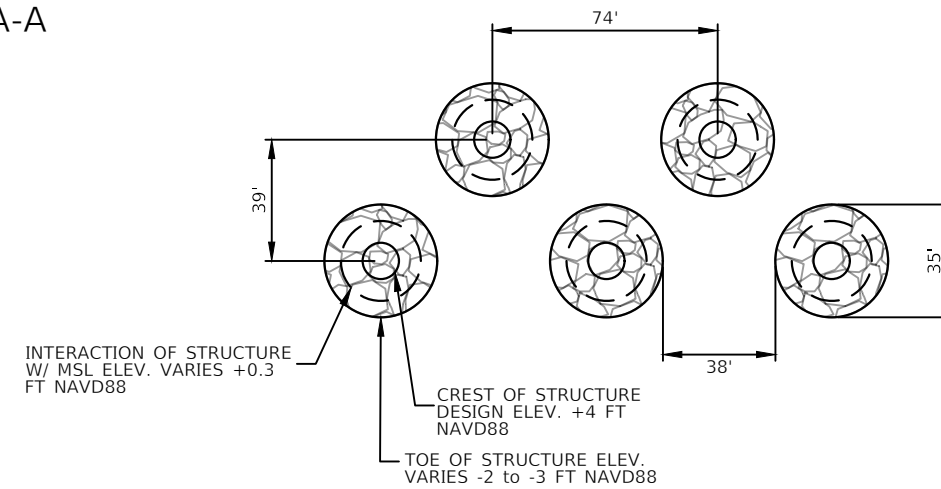
SHEET 9 OF 21



Section View A-A



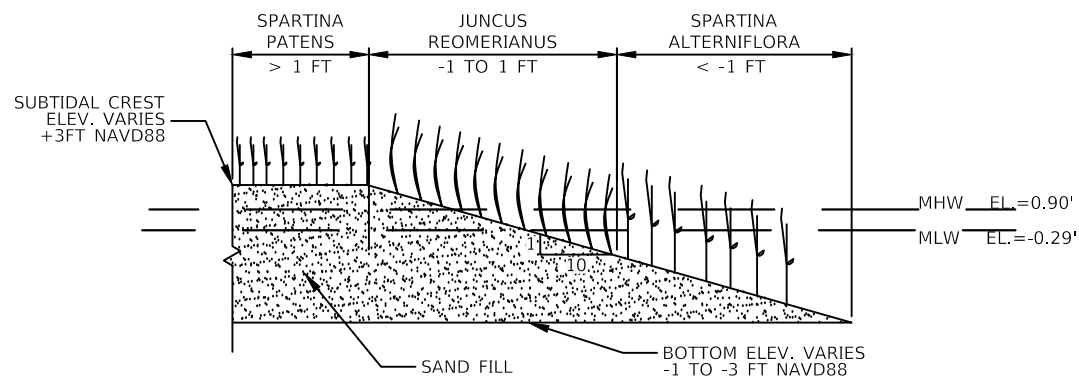
Plan View 1



Plan View 2

Site A Rock Piles Details

See sheets 5-7 for layout



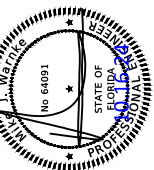
Marsh Area Section View

Marsh Details

MARSH AREA		
ZONE	PLANT	FREQUENCY
Bottom to -1	Spartina Alterniflora(Sporobolus Alterniflora)	18" on center
Elevation -1 to +1	Juncus Roemerianus(Needlegrass Rush)	18" on center
Above elevation +1	Spartina Patens(Saltmeadow Cordgrass)	18" on center

NOTE:
CONTRACTOR TO REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

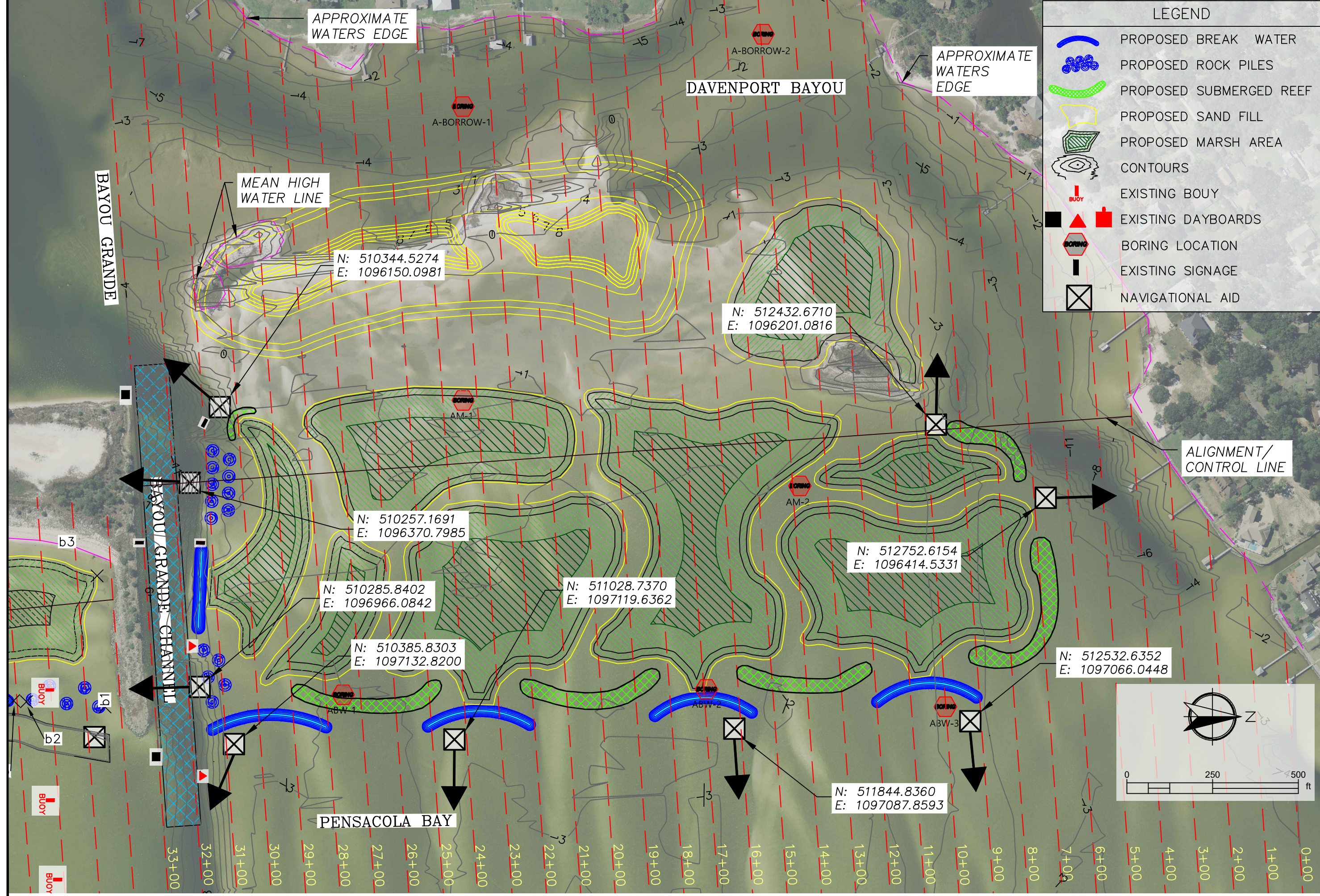
NOT TO SCALE



215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935
REG. PLAT. NO. 28976
DATE: MAY 2024
SIGNATURE: _____

Volkert
Engineers • Surveyors • Planners
DESIGNED BY: SAMANTHA CHANDLER
CHECKED BY: MIKE WARNEK
DATE: MAY 2024
DISTRICT: GULF BAY AND LISIQU
FIELD BOOK PAGES: _____

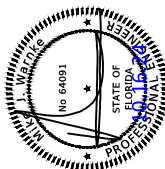
NO.	DATE	DESCRIPTION



LEGEND

	PROPOSED BREAK WATER
	PROPOSED ROCK PILES
	PROPOSED SUBMERGED REEF
	PROPOSED SAND FILL
	PROPOSED MARSH AREA
	CONTOURS
	EXISTING BOUY
	EXISTING DAYBOARDS
	BORING LOCATION
	EXISTING SIGNAGE
	NAVIGATIONAL AID

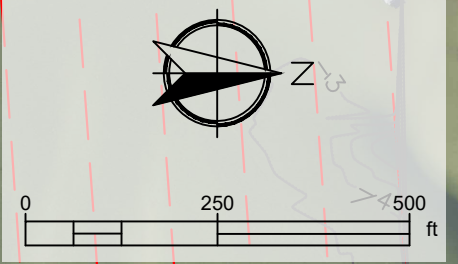
PENSACOLA BAY LIVING SHORELINE
SITE A AIDS TO NAVIGATION



215 FAIRPOINT DRIVE
 SUITE B
 GULF BREEZE, FL 32501
 Telephone (850) 512-8935

Volkert
 Engineers • Surveyors • Planners
 DRAWN BY: SAMANTHA CHANDLER
 DESIGNED BY: VARIOUS
 CHECKED BY: MIKE WARNKE
 DATE: MAY 2024
 REG. P.E. LIC. NO.: 28976
 DISTRICT: FIELDBOOK PAGES: 512S-BOW AND 13S-SLW

APPROVED BY:	
DATE:	
DRAWING NUMBER:	
PROJECT NUMBER:	1033000.848
SURVEY NUMBER:	
SHEET	11 OF 21



APPROXIMATE WATERS EDGE

DAVENPORT BAYOU

APPROXIMATE WATERS EDGE

MEAN HIGH WATER LINE

BAYOU GRANDE

BAYOU GRANDE CHANNEL

ALIGNMENT/
CONTROL LINE

PENSACOLA BAY

N: 510344.5274
E: 1096150.0981

N: 512432.6710
E: 1096201.0816

N: 510257.1691
E: 1096370.7985

N: 512752.6154
E: 1096414.5331

N: 510285.8402
E: 1096966.0842

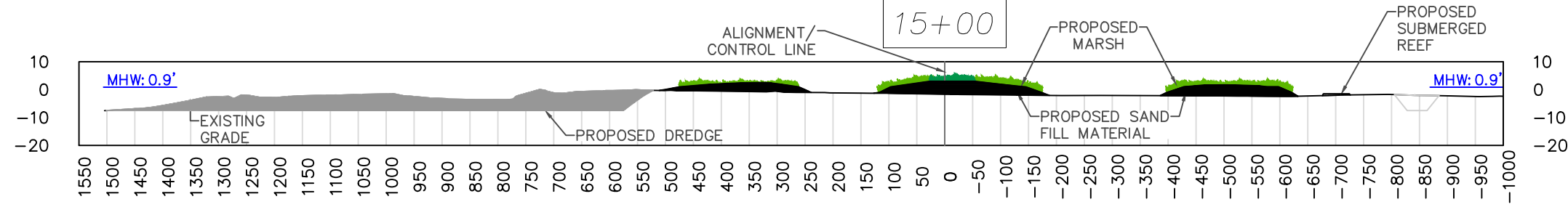
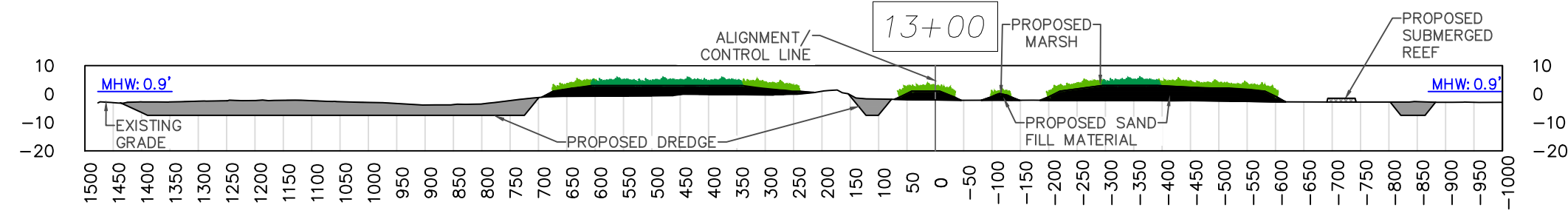
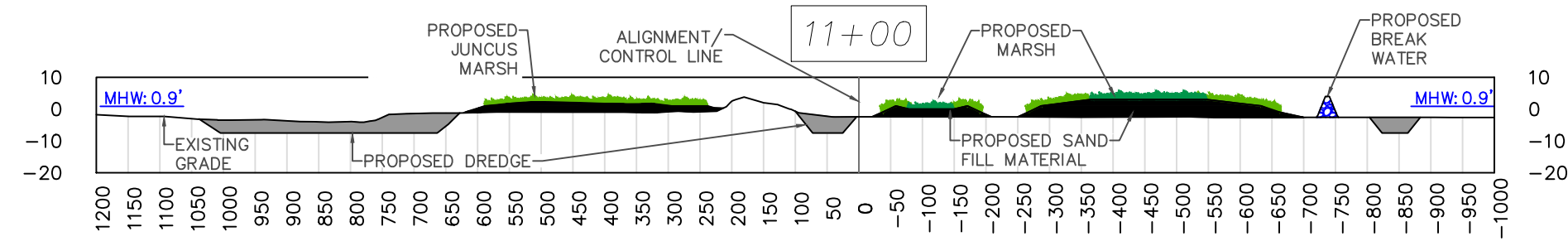
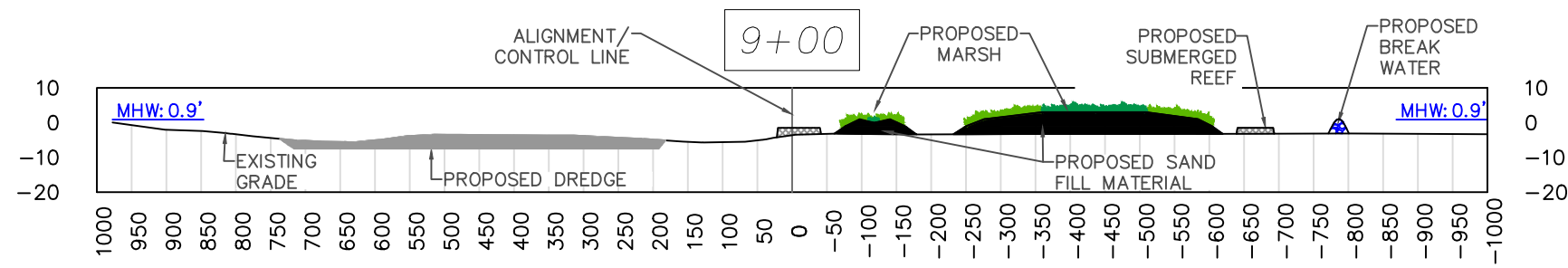
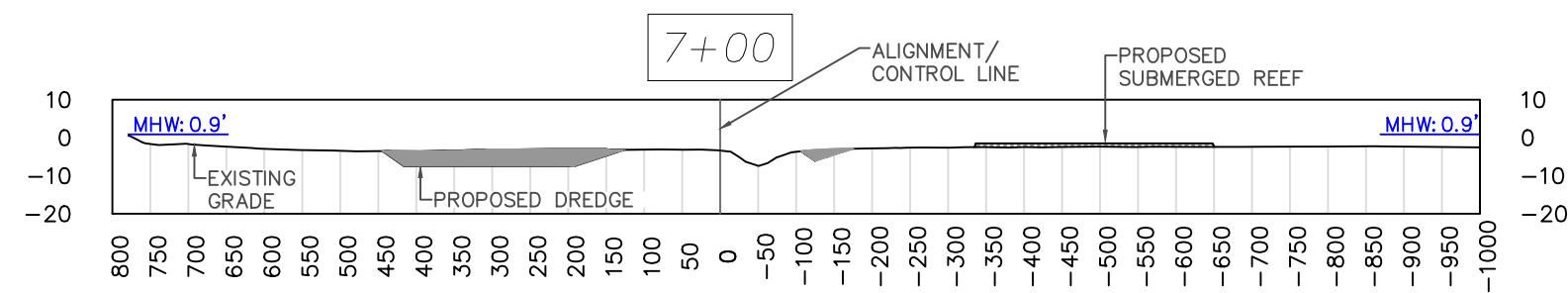
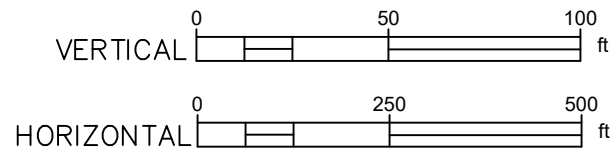
N: 511028.7370
E: 1097119.6362

N: 510385.8303
E: 1097132.8200

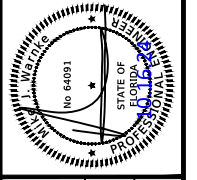
N: 512532.6352
E: 1097066.0448

N: 511844.8360
E: 1097087.8593

33+00 32+00 31+00 30+00 29+00 28+00 27+00 26+00 25+00 24+00 23+00 22+00 21+00 20+00 19+00 18+00 17+00 16+00 15+00 14+00 13+00 12+00 11+00 10+00 9+00 8+00 7+00 6+00 5+00 4+00 3+00 2+00 1+00 0+00



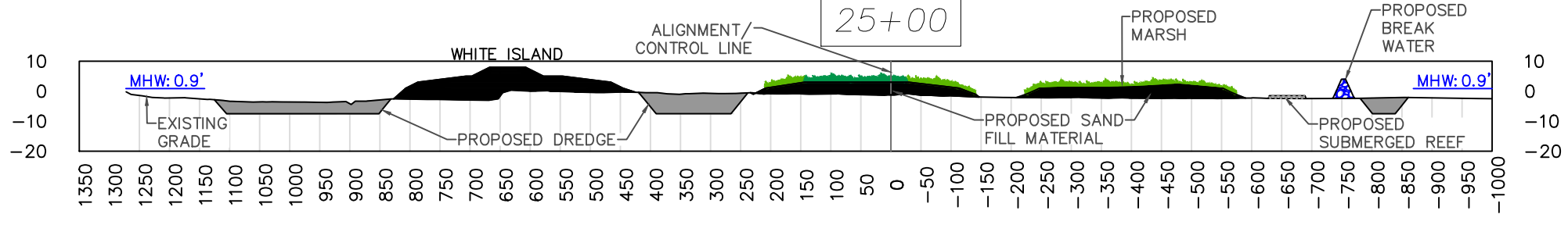
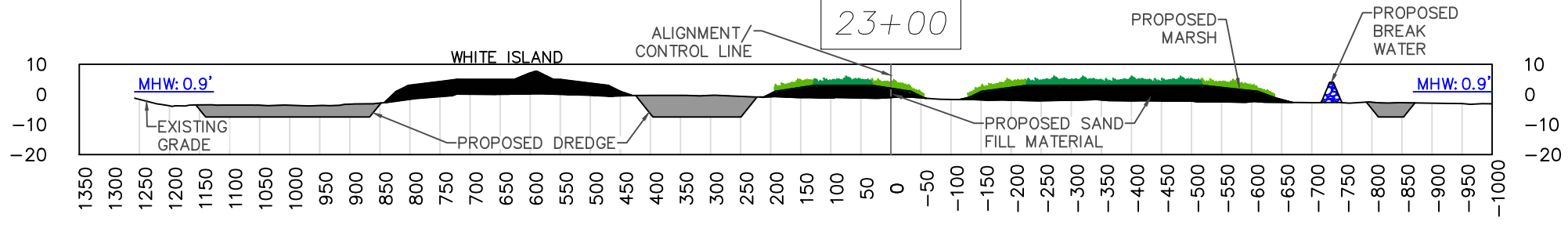
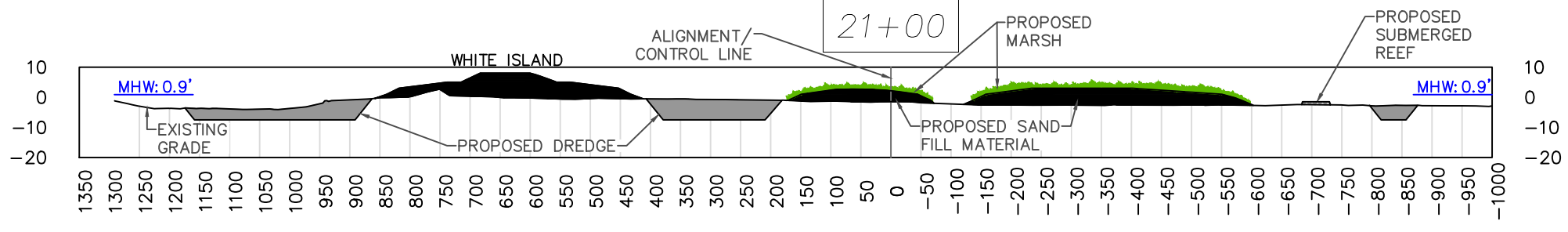
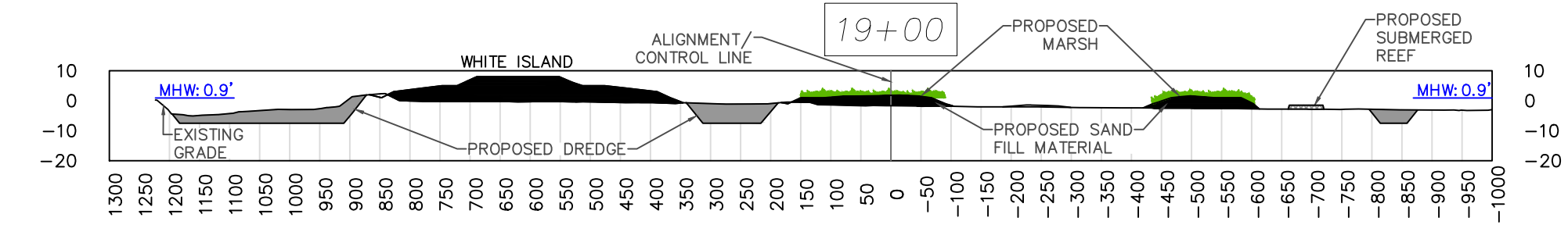
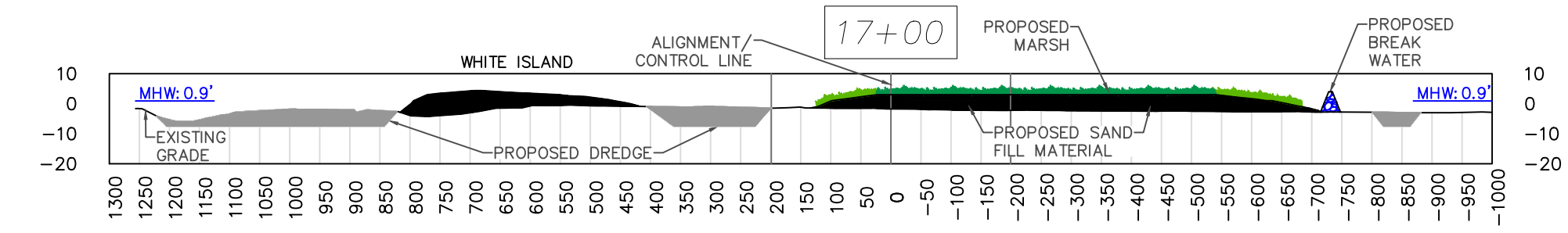
PENSACOLA BAY LIVING SHORELINE
SITE A WHITE ISLAND CROSS SECTIONS



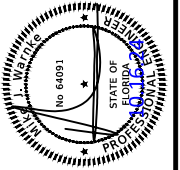
215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935

VOLKERT
Engineering & Construction Services, Inc.
INCORPORATED BY: MIRE WARNEK
DISTRICT: DISTRICT 1
OFFICER BY: SAMANTHA CHAND P. VARIES
DATE: MAY 2004
FIELD BOOK PAGES: 51, 28, 30W AND E 38, 31 W

REVISIONS	DATE	APPROVED BY



PENSACOLA BAY LIVING SHORELINE
SITE A WHITE ISLAND CROSS SECTIONS

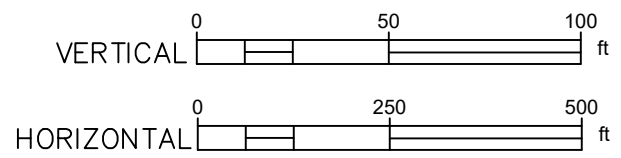
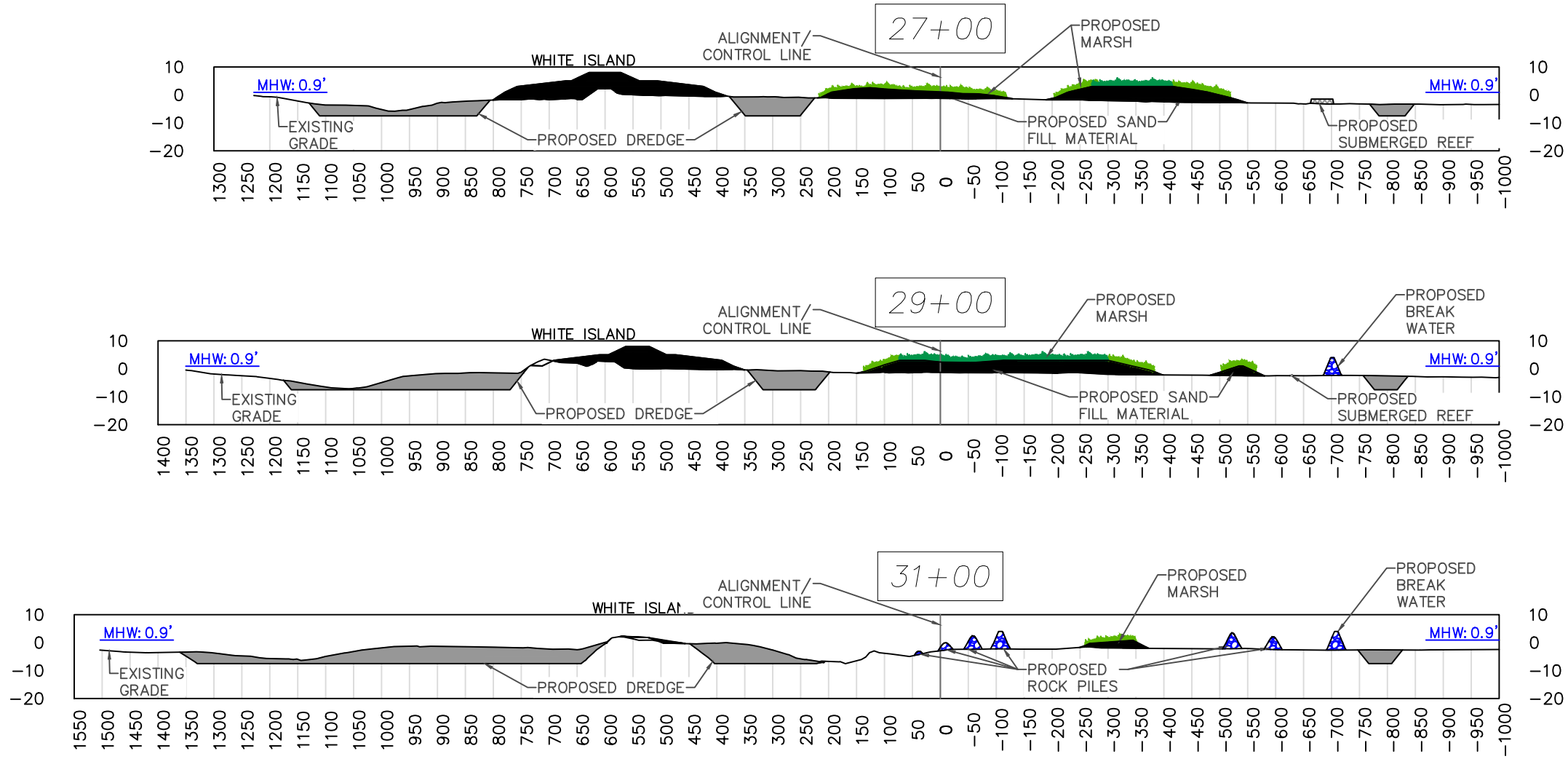


215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 33641
Telephone (850) 512-9935
REG. FL. LIC. NO. 28976
DATE: MAY 2024
SIGNATURE:

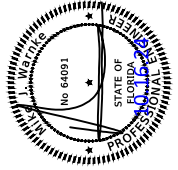
Volkert
Engineers • Surveyors • Planners
DRAWN BY: SAMANTHA CHAND/P. VARIES
CHECKED BY: MIKE WARNKE
DESIGNED BY: MIKE WARNKE
DATE: MAY 2024
DISTRICT:
SECTION/TOWNSHIP/RANGE:
SECTION AND TIER:

REVISIONS	DATE	APPENDIX

DRAWING NUMBER
PROJECT NUMBER 1033000.848
SURVEY NUMBER
SHEET 13 OF 21



PENSACOLA BAY LIVING SHORELINE
SITE A WHITE ISLAND CROSS SECTIONS



215 FAIRBANK DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone: (850) 512-8955

Volkert
Engineers • Surveyors • Planners

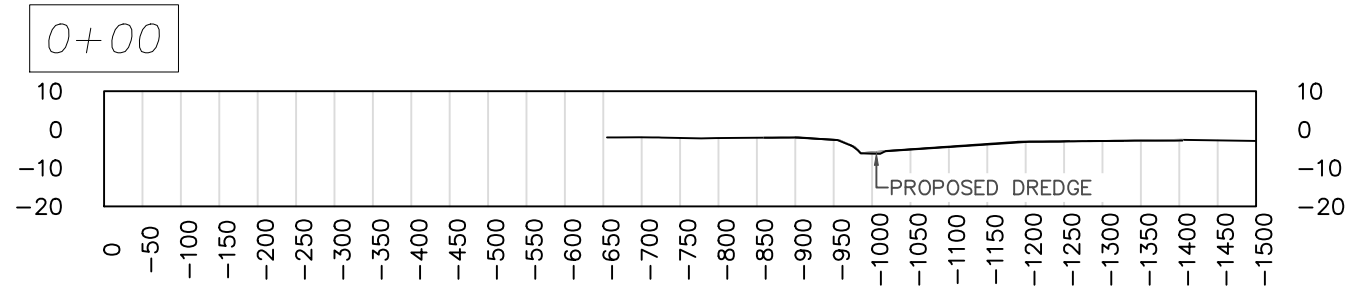
DESIGNED BY: SAMANTHA CHAND, P.E.
DRAWN BY: SAMANTHA CHAND, P.E.
DATE: MAY 2024

CHECKED BY: MIKE WARNEK
DATE: 28976

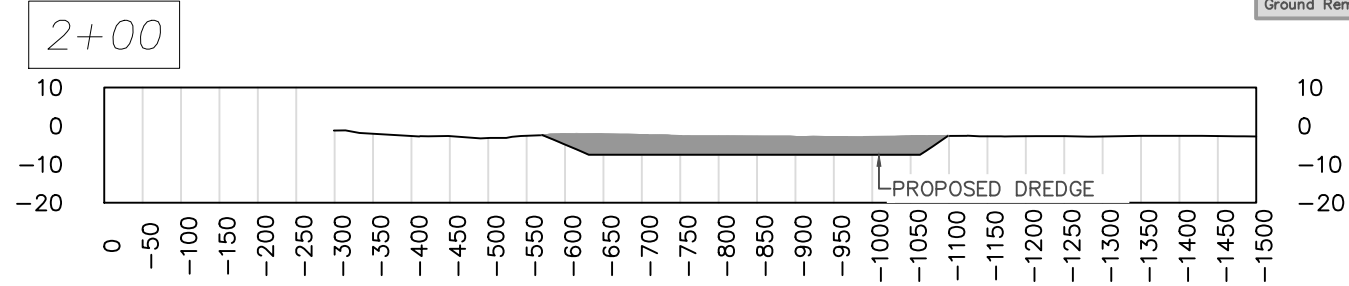
DISTRICT: DISTRICT

SECTION/TOWNSHIP/RANGE
31S/20W AND 13S/11W

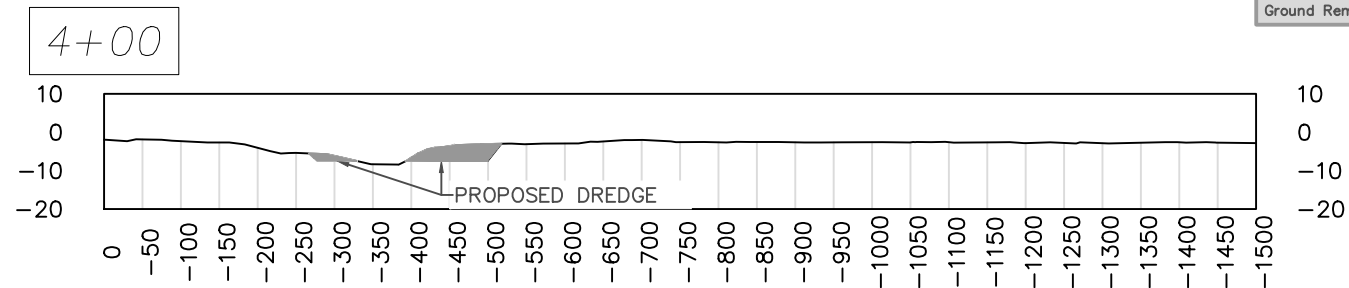
APPROVED BY:	
DATE:	
REVISIONS:	
NUMBER:	
DRAWING NUMBER:	
PROJECT NUMBER:	1033000.848
SURVEY NUMBER:	
SHEET:	14 OF 21



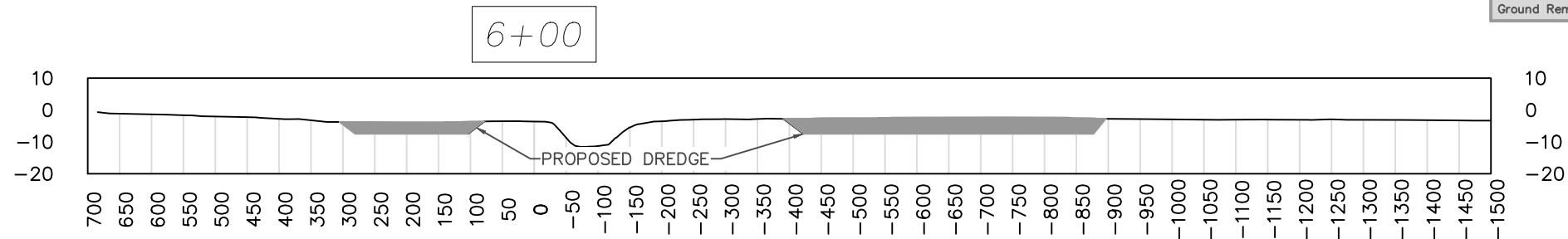
Material(s) at Station 0+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	17.73	0.00	0.00



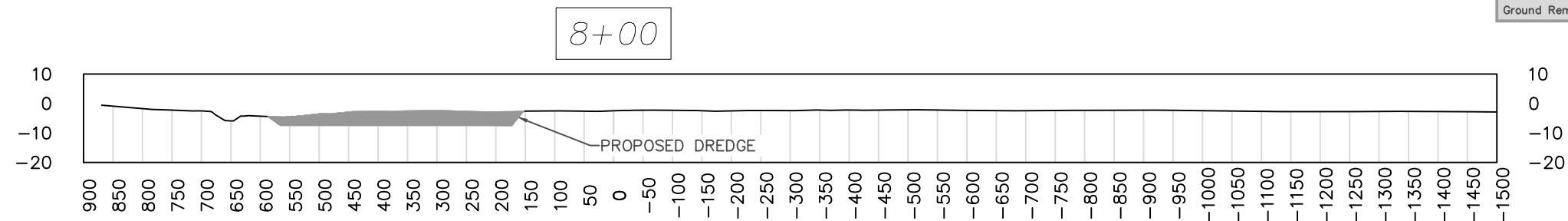
Material(s) at Station 2+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	2330.04	7754.96	11227.88



Material(s) at Station 4+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	2374.38	8470.46	28086.69

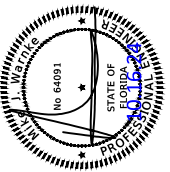


Material(s) at Station 6+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	4789.98	15579.98	54773.31



Material(s) at Station 8+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	3310.01	12284.92	82083.82

PENSACOLA BAY LIVING SHORELINE
SITE A DREDGE SECTIONS



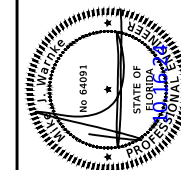
215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935

Volkert
Engineering & Construction
INCORPORATED
SAMANTHA CHAND P. VARIAS
MAY 2004
VICE PRESIDENT
MIRE WARNEK
DISTRICT MANAGER
DISTRICT
BETHANY TOWNSHIP PLANS
5128, 509W AND E 3831 W

REVISIONS	DATE	APPROVED BY

DRAWING NUMBER
PROJECT NUMBER 1033000.848
SURVEY NUMBER

PENSACOLA BAY LIVING SHORELINE
SITE A DREDGE SECTIONS

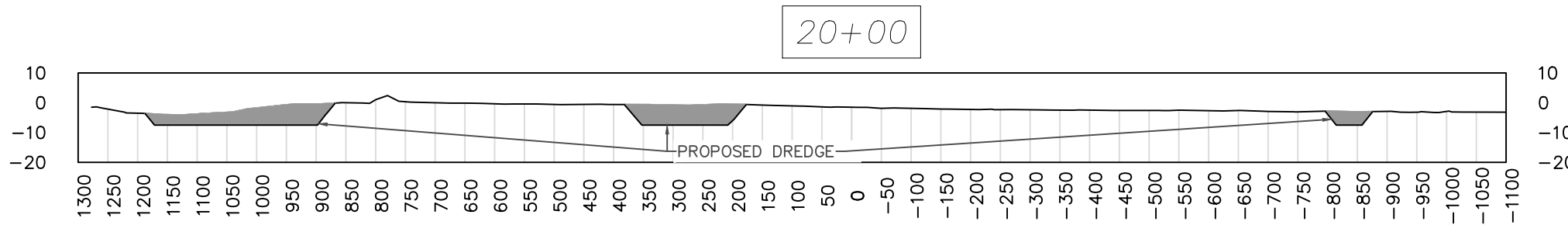


215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935
DATE: _____
FILE PLACING NO. 28976
SIGNATURE: _____

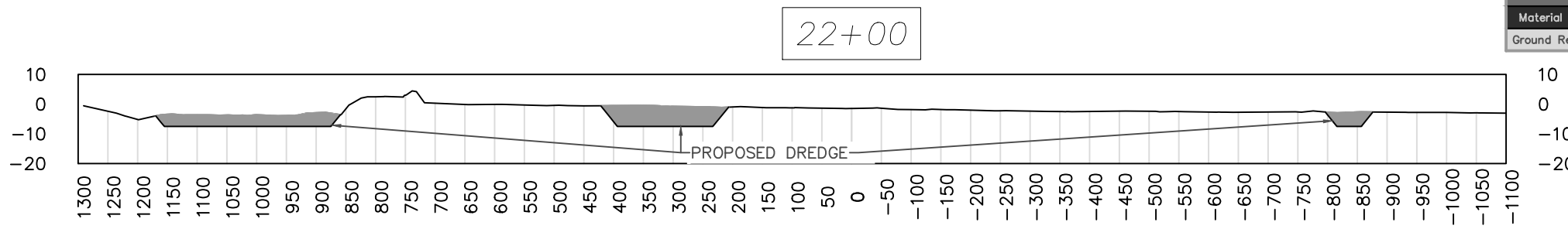
VOLKERT
Engineering & Construction
PROJECT MANAGER: SAMANTHIA CHAND P. VARBES
CHECKED BY: MIKE WARNEKE
DATE: MAY 2004
DISTRICT: _____
SECTION: TOWNSHIP RANGE
SHEET: 18 OF 21

REVISIONS	DATE	APPROVED BY

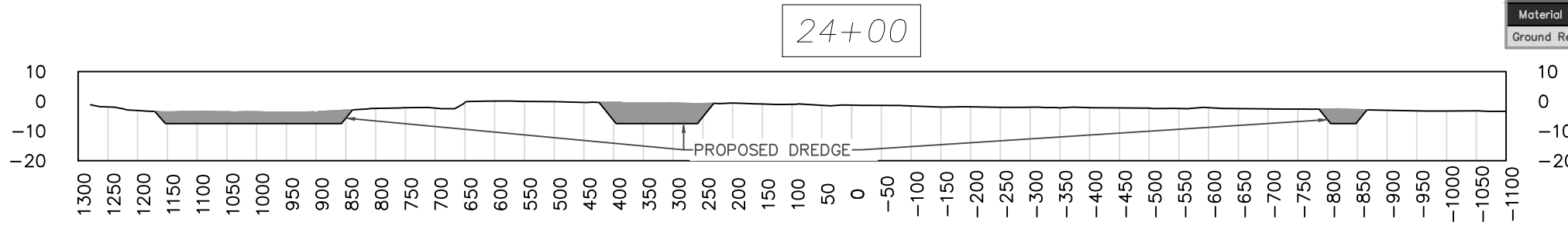
DRAWING NUMBER
PROJECT NUMBER 1033000.848
SURVEY NUMBER
SHEET 18 OF 21



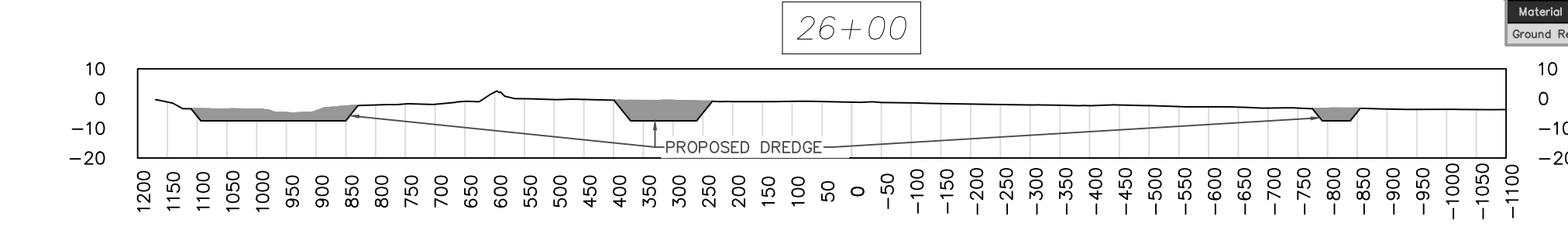
Material(s) at Station 20+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	2984.84	9854.21	240532.63



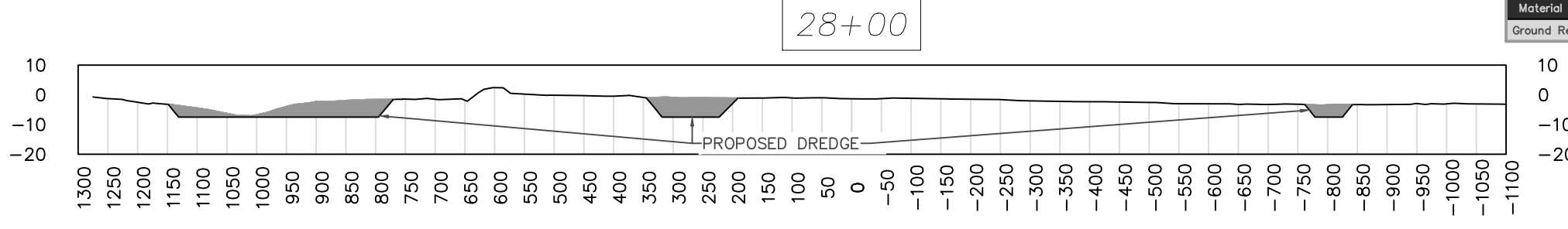
Material(s) at Station 22+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	2742.81	10497.68	261976.19



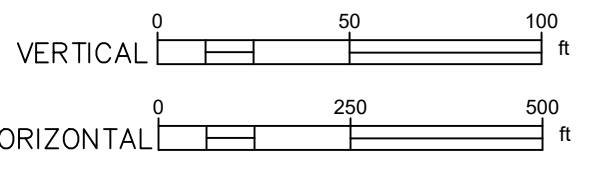
Material(s) at Station 24+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	2673.25	9914.00	281933.01

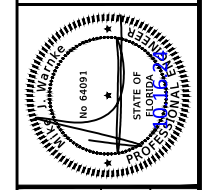


Material(s) at Station 26+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	2184.76	8559.78	299957.18



Material(s) at Station 28+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	2349.42	8444.54	316541.33



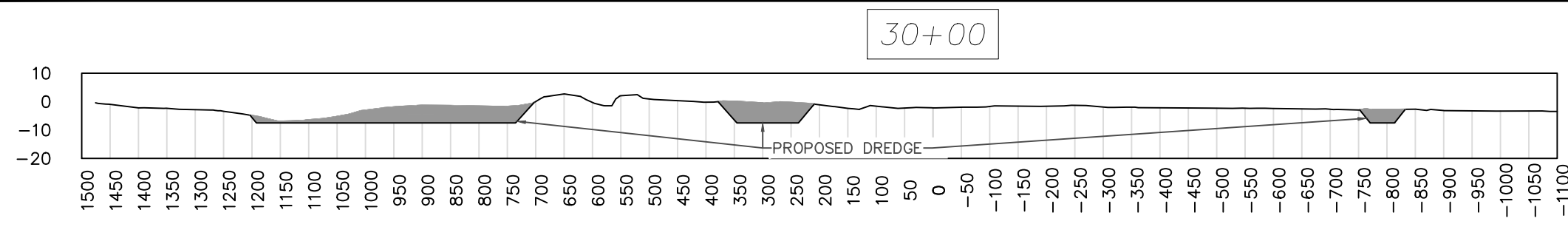


215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935
DATE: _____
FILE # / ENG. NO. 28976
SUBMITTER: _____

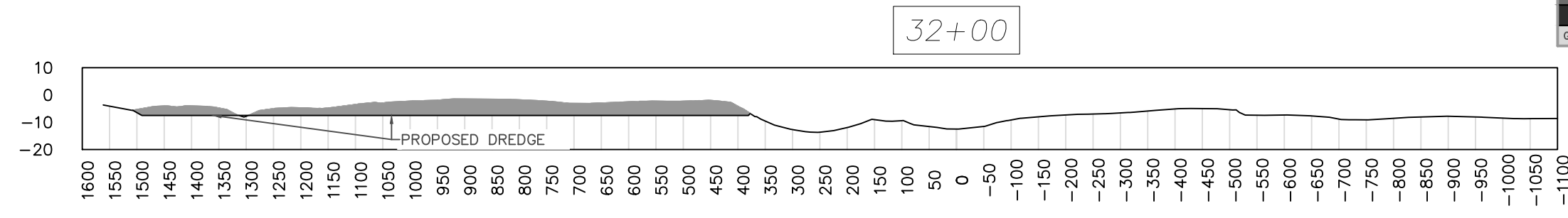
Volkert
Engineering & Surveying, Inc.
INCORPORATED IN FLORIDA
PROJECT MANAGER: SAMANTHA CHAND P. VABIES
REGISTERED PROFESSIONAL ENGINEER
MAY 2004
DISTRICT: _____
OFFICE MANAGER: _____
SECTION TOWNSHIP RANGE
512S, 30W AND E 3S, 31W

REVISIONS	DATE	APPROVED BY

DRAWING NUMBER	
PROJECT NUMBER	1033000.848
SURVEY NUMBER	
SHEET	19 OF 21



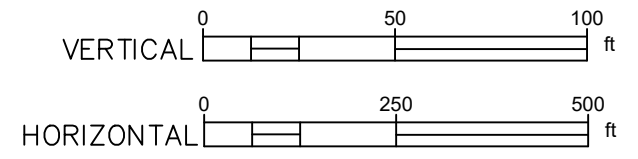
Material(s) at Station 30+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	3276.16	11012.43	336851.53



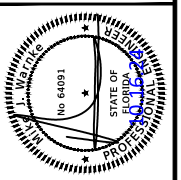
Material(s) at Station 32+00			
Material Name	Area	Volume	Cumulative Volume
Ground Removed	4686.67	17133.57	368504.49

Ground Removed Volume Table			
Station	Area	Volume	Cumulative Volume
0+00	17.73	0.00	0.00
1+00	1857.64	3472.92	3472.92
2+00	2330.04	7754.96	11227.88
3+00	2199.67	8388.35	19616.22
4+00	2374.38	4073.47	28086.69
5+00	3623.21	6709.65	39193.33
6+00	4789.98	6709.65	54773.31
7+00	3323.84	6155.26	69798.90
8+00	3310.01	6155.26	82083.82
9+00	2346.34	4345.08	92558.55
10+00	3287.70	4345.08	102991.95
11+00	2350.56	4352.90	113433.17
12+00	3046.89	9995.28	123428.46
13+00	3863.58	12797.17	136225.63
14+00	4535.70	7155.07	151780.47
15+00	5332.43	9874.85	170054.74
16+00	6512.90	9874.78	191990.34
17+00	3418.26	6330.11	210381.35
18+00	2602.95	11150.07	221531.42
19+00	2336.43	9147.00	230678.42

Ground Removed Volume Table			
Station	Area	Volume	Cumulative Volume
20+00	2984.84	9854.21	240532.63
21+00	2925.94	10945.89	251478.51
22+00	2742.81	10497.68	261976.19
23+00	2680.31	10042.82	272019.01
24+00	2673.25	9914.00	281933.01
25+00	2437.52	9464.39	291397.40
26+00	2184.76	8559.78	299957.18
27+00	2210.63	8139.62	308096.79
28+00	2349.42	8444.54	316541.33
29+00	2671.38	9297.78	325839.11
30+00	3276.16	11012.43	336851.53
31+00	4564.24	14519.38	351370.92
32+00	4686.67	17133.57	368504.49
33+00	0.00	8679.01	377183.50



PENSACOLA BAY LIVING SHORELINE
SITE AIDS TO NAVIGATION DETAILS

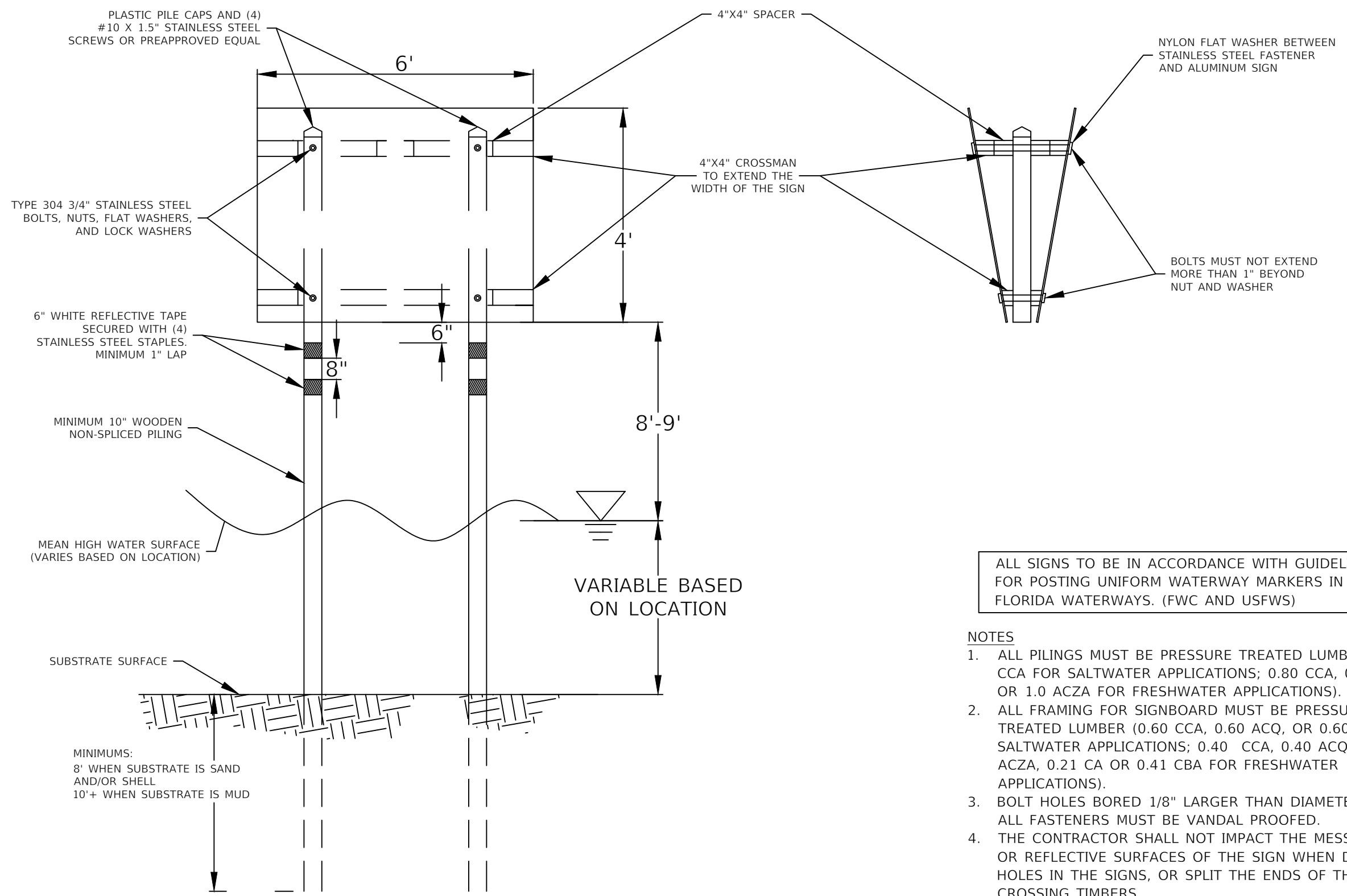


215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8953

Volkert
Engineers • Surveyors • Planners
DESIGNED BY: SAMANTHA CHANDLER
CHECKED BY: MIKE WARNKE
DATE: MAY 2024
DISTRICT: 28976

DATE	APPROVED BY

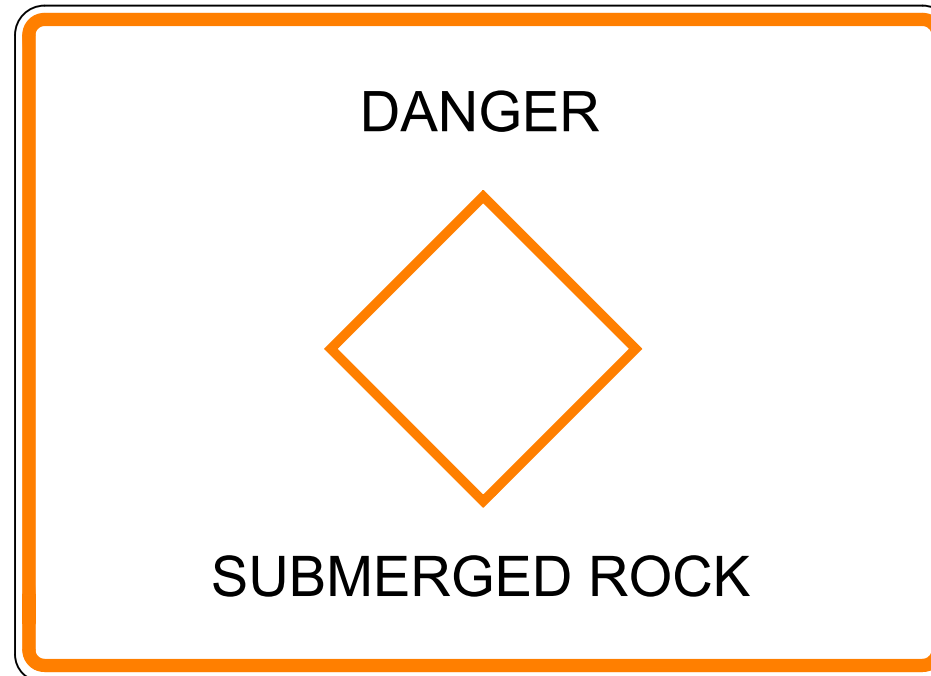
DRAWING NUMBER
PROJECT NUMBER 1033000.848
SURVEY NUMBER
SHEET 20 OF 21



ALL SIGNS TO BE IN ACCORDANCE WITH GUIDELINES FOR POSTING UNIFORM WATERWAY MARKERS IN FLORIDA WATERWAYS. (FWC AND USFWS)

- NOTES**
1. ALL PILINGS MUST BE PRESSURE TREATED LUMBER (2.50 CCA FOR SALTWATER APPLICATIONS; 0.80 CCA, 0.80 ACQ, OR 1.0 ACZA FOR FRESHWATER APPLICATIONS).
 2. ALL FRAMING FOR SIGNBOARD MUST BE PRESSURE TREATED LUMBER (0.60 CCA, 0.60 ACQ, OR 0.60 ACZA FOR SALTWATER APPLICATIONS; 0.40 CCA, 0.40 ACQ, 0.40 ACZA, 0.21 CA OR 0.41 CBA FOR FRESHWATER APPLICATIONS).
 3. BOLT HOLES BORED 1/8" LARGER THAN DIAMETER OF BOLT. ALL FASTENERS MUST BE VANDAL PROOFED.
 4. THE CONTRACTOR SHALL NOT IMPACT THE MESSAGE AREA OR REFLECTIVE SURFACES OF THE SIGN WHEN DRILLING HOLES IN THE SIGNS, OR SPLIT THE ENDS OF THE CROSSING TIMBERS.
 5. PLASTIC PILE CAP SHALL BE EQUAL TO THE TOP EDGE OF THE SIGN (±6") AND SHALL FIT PILING NATURALLY WITHOUT HAVING TO MODIFY THE CAP IN ANY WAY.

NOT TO SCALE



SIGN MESSAGE DETAIL: SITE A

N.T.S

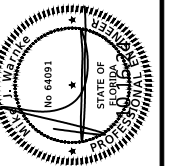
ALL SIGNS TO BE IN ACCORDANCE WITH GUIDELINES FOR POSTING UNIFORM WATERWAY MARKERS IN FLORIDA WATERWAYS. (FWC AND USFWS)

NOTES

1. ALL PILINGS MUST BE PRESSURE TREATED LUMBER (2.50 CCA FOR SALTWATER APPLICATIONS; 0.80 CCA, 0.80 ACQ, OR 1.0 ACZA FOR FRESHWATER APPLICATIONS).
2. ALL FRAMING FOR SIGNBOARD MUST BE PRESSURE TREATED LUMBER (0.60 CCA, 0.60 ACQ, OR 0.60 ACZA FOR SALTWATER APPLICATIONS; 0.40 CCA, 0.40 ACQ, 0.40 ACZA, 0.21 CA OR 0.41 CBA FOR FRESHWATER APPLICATIONS).
3. BOLT HOLES BORED 1/8" LARGER THAN DIAMETER OF BOLT. ALL FASTENERS MUST BE VANDAL PROOFED.
4. THE CONTRACTOR SHALL NOT IMPACT THE MESSAGE AREA OR REFLECTIVE SURFACES OF THE SIGN WHEN DRILLING HOLES IN THE SIGNS, OR SPLIT THE ENDS OF THE CROSSING TIMBERS.
5. PLASTIC PILE CAP SHALL BE EQUAL TO THE TOP EDGE OF THE SIGN (±6") AND SHALL FIT PILING NATURALLY WITHOUT HAVING TO MODIFY THE CAP IN ANY WAY.

NOT TO SCALE

PENSACOLA BAY LIVING SHORELINE
SITE A AIDS TO NAVIGATION DETAILS



215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8953

REG. CL. ENG. NO. 28976
DATE: _____
SIGNATURE: _____

Volkert
Engineers • Surveyors • Planners

DESIGNED BY: VARIOUS
CHECKED BY: MIKE WARNKE
DATE: MAY 2024
FIELDBOOK PAGES: _____

DRAWING NUMBER: _____
PROJECT NUMBER: 1033000.848
SURVEY NUMBER: _____

SHEET 21 OF 21