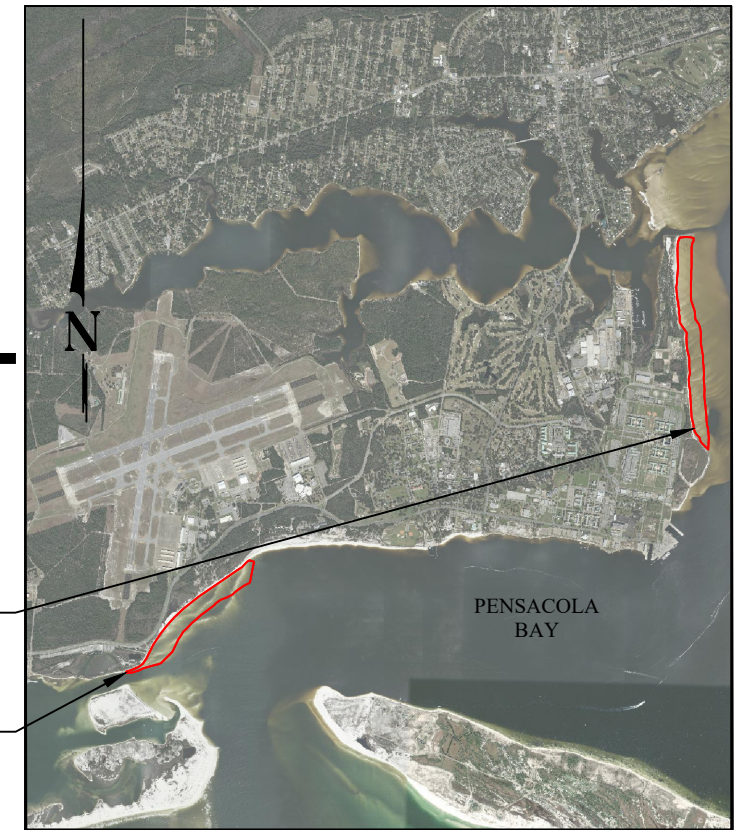




BOARD OF COUNTY COMMISSIONERS
 ESCAMBIA COUNTY, FLORIDA



SITE B

SITE C

VICINITY MAP
 NOT TO SCALE

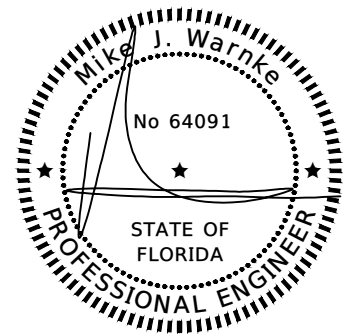
INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	GENERAL NOTES
3	SURVEY NOTES AND QUANTITIES
4	OVERALL SITE MAP
5	SITE B NAS EASTERN SHORE PLAN
6-7	SITE B NAS EASTERN SHORE LAYOUT
8-9	SITE B NAS EASTERN SHORE DETAILS
10	SITE B AIDS TO NAVIGATION
11-13	SITE B DREGE SECTIONS
14	SITE C SHERMAN INLET PLAN
15-16	SITE C SHERMAN INLET LAYOUT
17	SITE C SHERMAN INLET DETAILS
18	SITE C AIDS TO NAVIGATION
19-23	SITE C CROSS SECTIONS
24-25	SITE B AIDS TO NAVIGATION DETAILS
26	ROBINSON ISLAND PLAN
27-29	ROBINSON ISLAND CROSS SECTIONS

PLANS PROPOSED FOR
**PENSACOLA BAY LIVING
 SHORELINE - SITES B & C**

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 |

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.

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:

SURVEY NOTES:

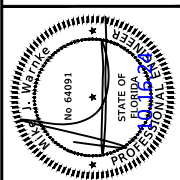
- 1.) TYPE OF SURVEY: TOPOGRAPHIC AND HYDROGRAPHIC
- 2.) HORIZONTAL INFORMATION ON THIS PLAT IS REFERENCED TO FLORIDA STATE PLANE COORDINATE SYSTEM NORTH ZONE.
- 3.) THIS SURVEY WAS ACCOMPLISHED UTILIZING AN AUTOMATED SOUNDING SYSTEM. THE DECIMAL POINT IN THE SOUNDING REPRESENTS THE LOCATION WHERE THE 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 LIVING SHORELINE SITE NOTES - SITE B & C:

- 1.) ALL PROPOSED STRUCTURES ARE TO BE PLACED WITHIN THE NAS 500' EXCLUSION ZONE.
- 2.) THE CONTRACTOR IS TO REVIEW AND ABIDE BY ALL REQUIREMENTS OF ALL OF THE PROJECT PERMITS.
- 3.) 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 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.
- 4.) IN ACCORDANCE WITH THE DEPARTMENT OF ARMY PERMIT NO. SAJ-2019-01849(SP-MZH), THE MOST WATERWARD EDGE OF THE AUTHORIZED PROJECT SHALL BE CONSTRUCTED NO CLOSER THAN 75 FEET FROM THE NEAR DESIGN EDGE OF THE FEDERAL CHANNEL.

Pensacola Bay Living Shoreline - Sites B & C				
Estimated Quantities				
Site	Pay Item	Description	Quantity	Unit
B	1	Sand	175100	CY
B	2	Rock	32734	Ton
B	3	Geotextile	27797	SY
B	4	Signage	4	EA
B	5	Mobilization/Demobilization	1	LS
B	6	Pre-Construction Survey	1	LS
B	7	Post Construction Survey	1	LS
B	8	Plants- Add Alternate	629138	EA
C	9	Sand - Above MHW	30132	CY
C	10	Sand - Below MHW	74368	CY
C	11	Rock	56820	Ton
C	12	Geotextile	38810	SY
C	13	Signage	5	EA
C	14	Mobilization/Demobilization	1	LS
C	15	Pre-Construction Survey	1	LS
C	16	Post Construction Survey	1	LS

PENSACOLA BAY LIVING SHORELINE
SURVEY NOTES AND QUANTITIES

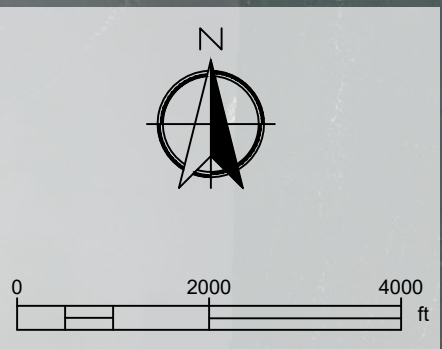


215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935

Volkert
Engineers, Surveyors & Planners

DESIGNED BY: SAMANTHA CHANDLER
DATE: 10/20/2021
CHECKED BY: MARI WARKNE
DATE: 10/20/2021
PROJECT NO: 28976
SECTION: TOWNSHIP RANGE
512S-30W AND 13S-31W

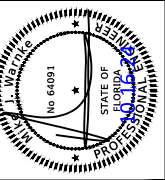
REVISIONS	DATE	APPROVED BY



LEGEND

	LOCATION OF LIVING SHORELINE PROJECT SITES
	NAVAL AIR STATION PENSACOLA

**PENSACOLA BAY LIVING SHORELINE
OVERALL SITE PLAN**



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

DATE: _____
REG. P.E. NO. 28976
SIGNATURE: _____

Volkert
Engineers • Surveyors • Planners

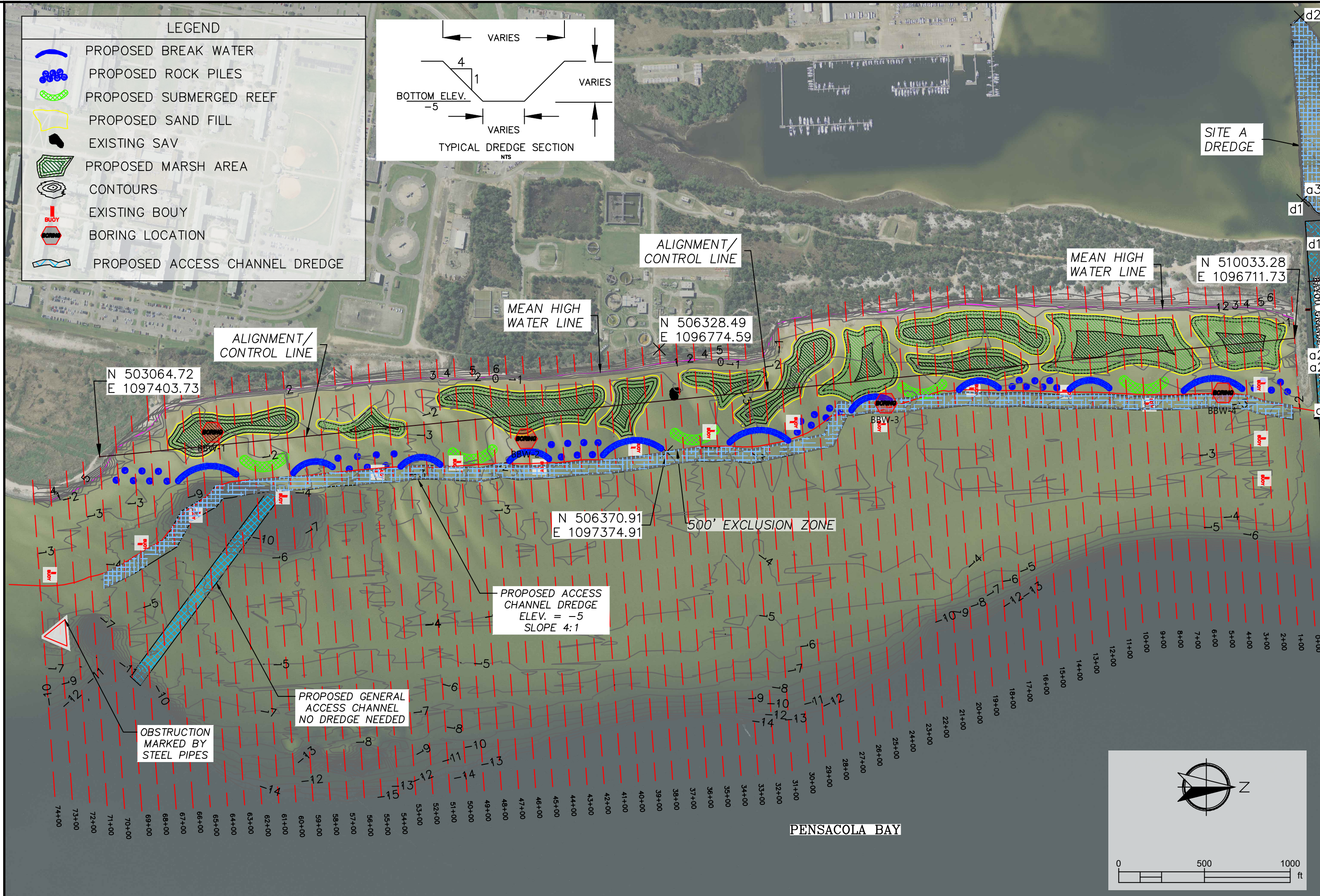
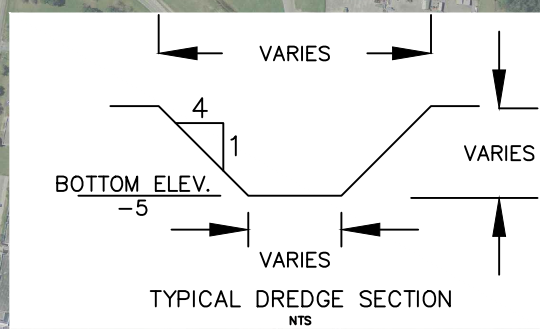
DRAWN BY: SAMANTHA CHANDLER
CHECKED BY: MIKE WARNSKE
DATE: JAN 2026
FIELDBOOK PAGES: _____

PROJECT: _____
DISTRICT: _____
SECTION/TOWNSHIP/RANGE: 51:28:30W AND 1:38:11W

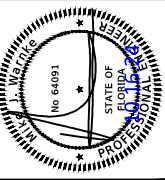
REVISIONS	DATE	APPROVED BY

LEGEND

- PROPOSED BREAK WATER
- PROPOSED ROCK PILES
- PROPOSED SUBMERGED REEF
- PROPOSED SAND FILL
- EXISTING SAV
- PROPOSED MARSH AREA
- CONTOURS
- EXISTING BOUY
- BORING LOCATION
- PROPOSED ACCESS CHANNEL DREDGE

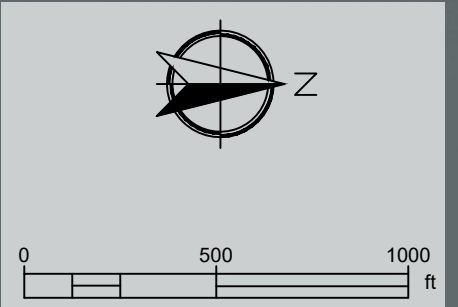


PENSACOLA BAY LIVING SHORELINE
SITE B NAS EASTERN SHORE PLAN












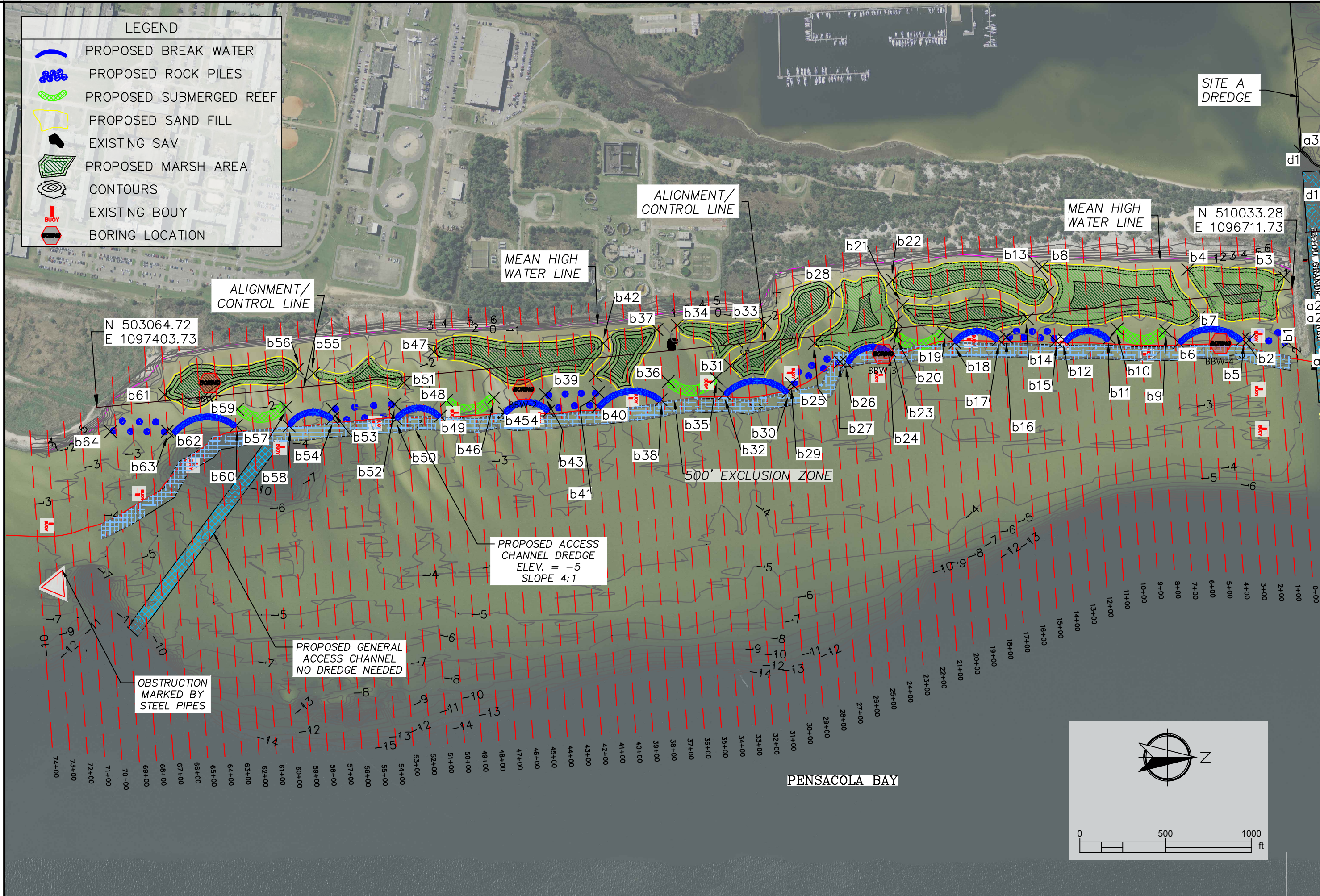
215 FAIRPOINT DRIVE SUITE B GULF BREEZE, FL 32561 Telephone (850) 512-8835	DATE: 28976
DESIGNED BY: SARANTHA CHANDLER	DISTRICT: VARIES
CHECKED BY: MILE WARNEK	SECTION: MARSH AND SHORELINE
DATE: JAN 2026	SCALE: AS SHOWN
PROJECT NO: 1033000.848	SHEET NO: 5 OF 29

APPROVAL:	DATE:
TITLE:	SCALE:
NUMBER:	PROJECT:
DATE:	PROJECT NUMBER:
SCALE:	SURVEY NUMBER:
PROJECT:	SHEET:
PROJECT NUMBER:	5 OF 29
SURVEY NUMBER:	

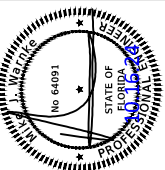


LEGEND

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

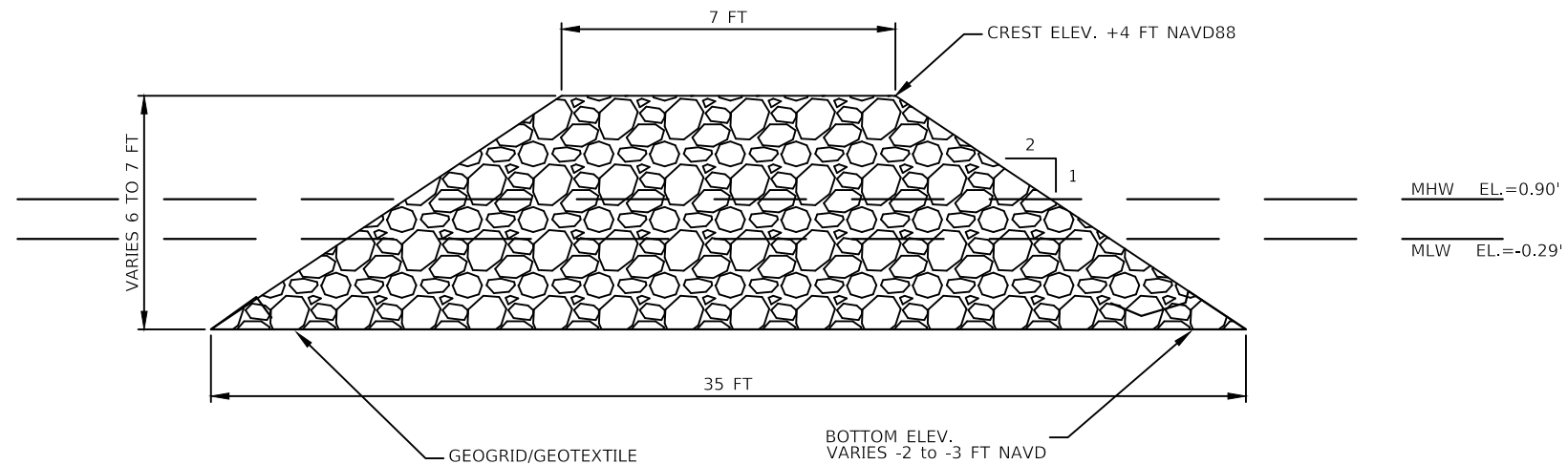


PENSACOLA BAY LIVING SHORELINE
SITE B NAS EASTERN SHORE LAYOUT

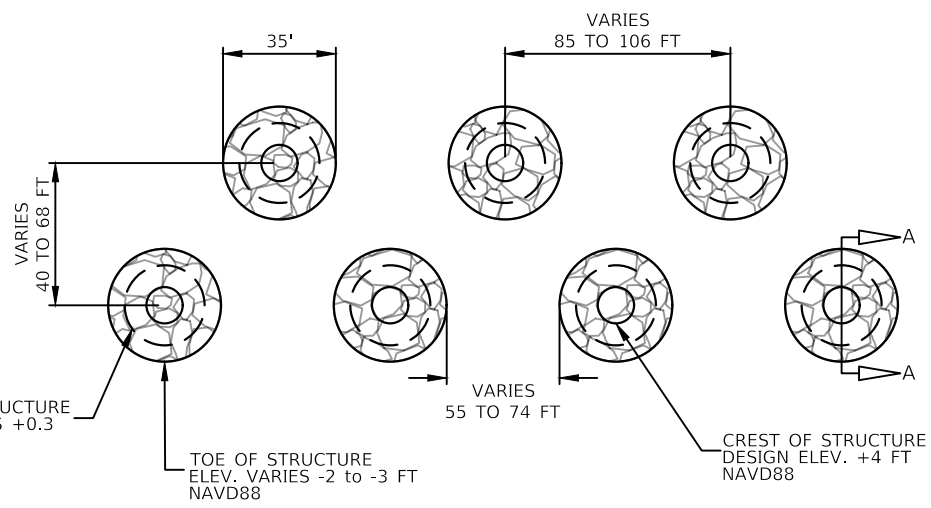


215 FAIRPOINT DRIVE SUITE B GULF BREEZE, FL 32561 Telephone (850) 512-8835	DATE: 28976
DESIGNED BY: SAMANTHA CHANDLER	DISTRICT: VARIES
CHECKED BY: MICK WARNEK	SECTION: MARSH AND LAGOON
DATE: JAN 2024	FIELD BOOK PAGES: 15
DESIGNED BY: SURVEYORS & PLANNERS	SECTION: MARSH AND LAGOON

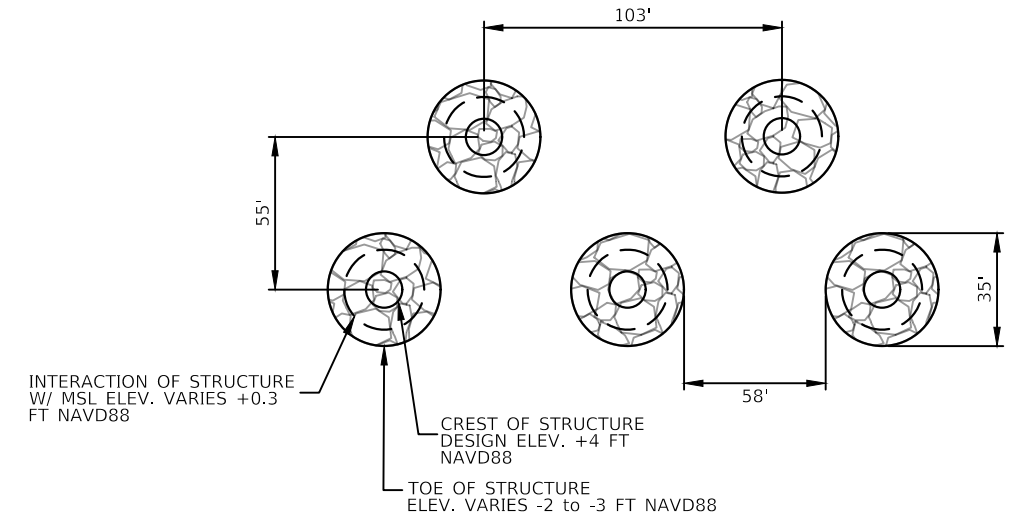
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TITLE:	
DATE:	
SCALE:	
PROJECT:	
DRAWING NUMBER:	
PROJECT NUMBER:	1033000.848
SURVEY NUMBER:	



Section View A-A



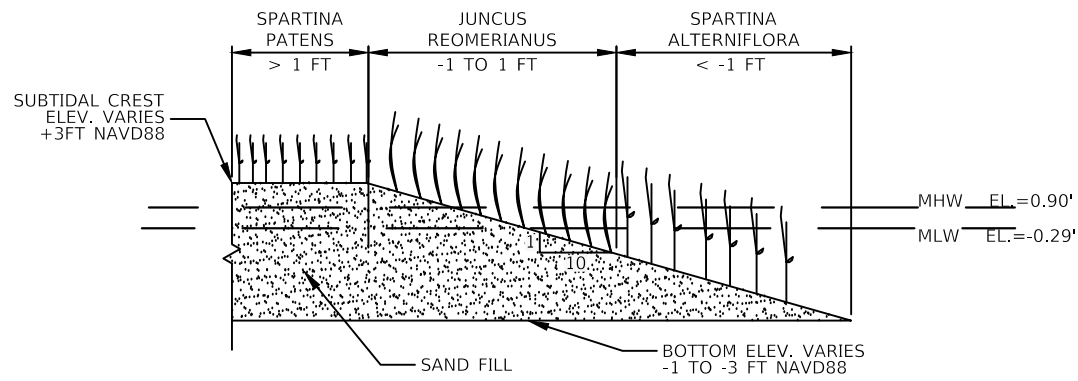
Plan View 1



Plan View 2

Site B 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

**PENSACOLA BAY LIVING SHORELINE
SITE B NAS EASTERN SHORE DETAILS**

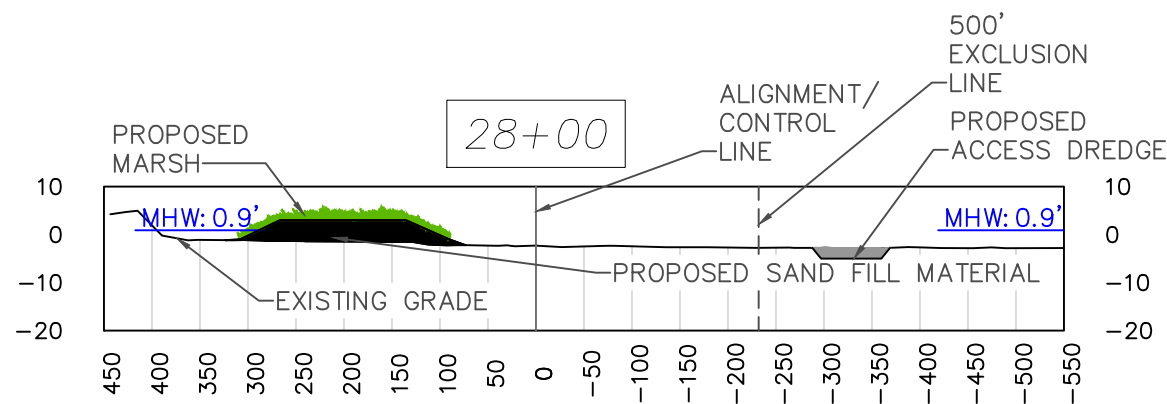
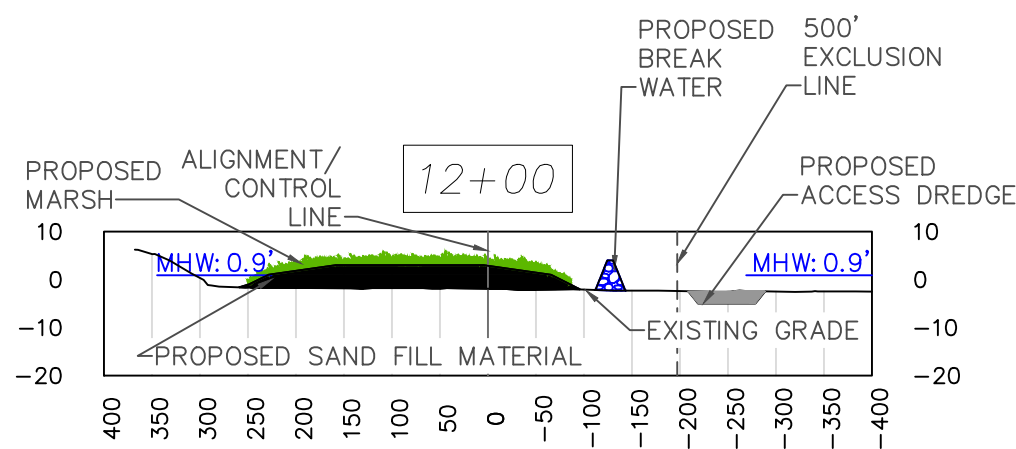
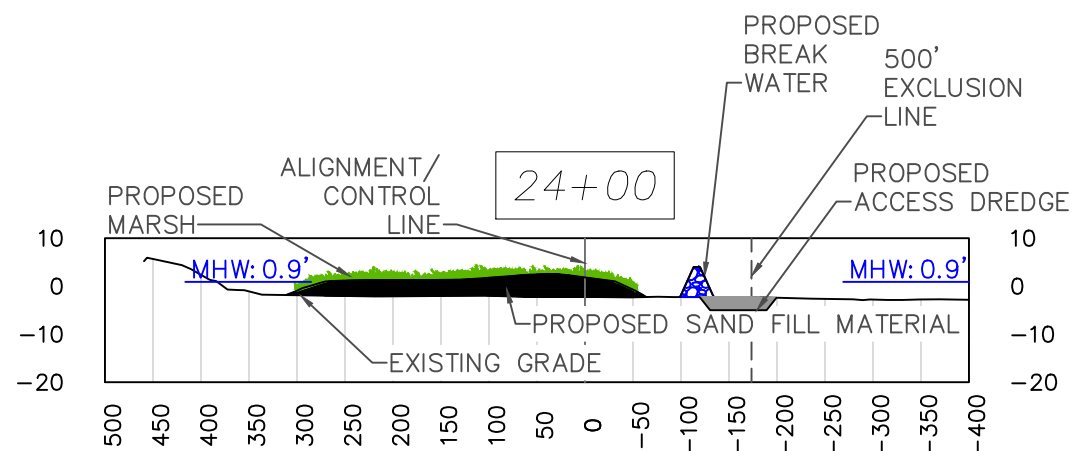
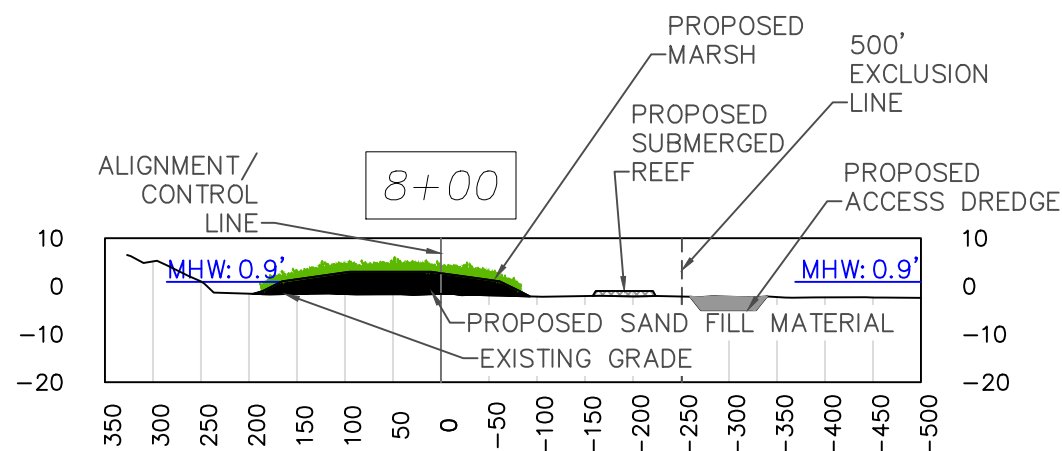
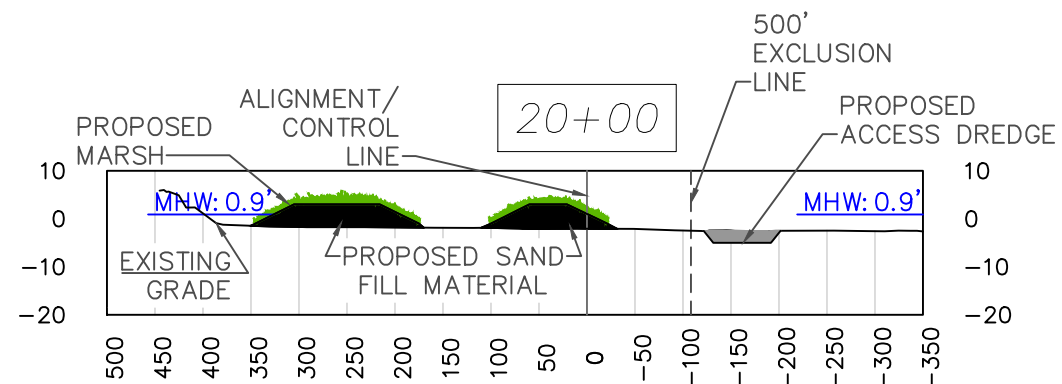
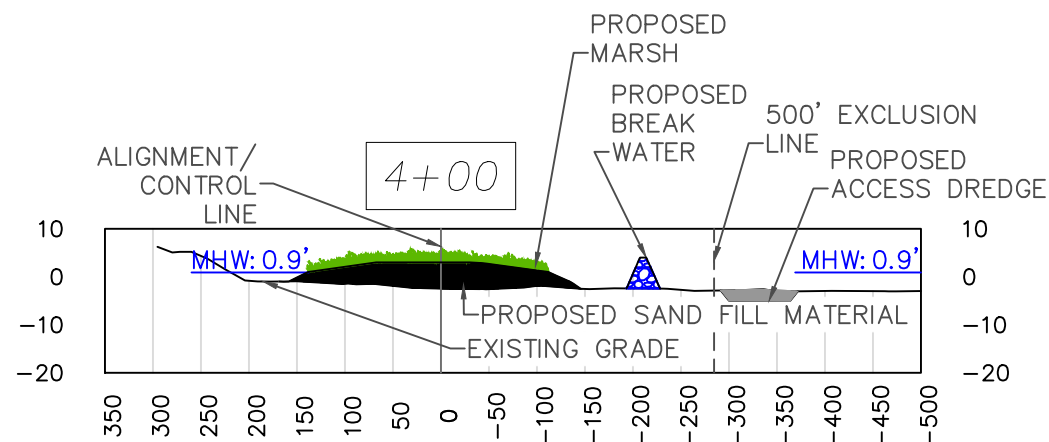
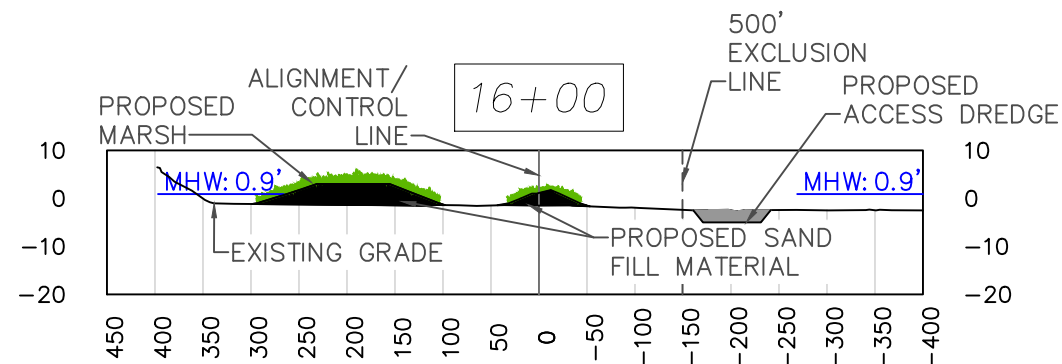
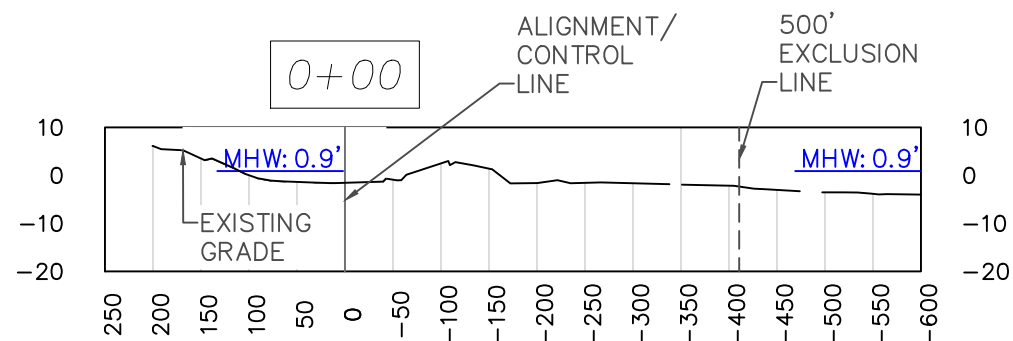
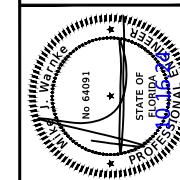
215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935

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

VOLKERT
Engineers & Planners
DESIGNED BY: SAMANTHA CHANDIP
DRAWN BY: VARIOUS
DATE: JAN 2026
CHECKED BY: MIKE WARNE
DISTRICT: _____
SHEET NO. 9 OF 29
FIELD BOOK PAGES: _____

DRAWING NUMBER: _____
PROJECT NUMBER: 1033000.848
SURVEY NUMBER: _____
SHEET 9 OF 29

PENSACOLA BAY LIVING SHORELINE
SITE B CROSS SECTIONS



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

REG. LIC. NO. 28976
DATE: JAN 2006
SIGNED: SAMANTHA CHANDLER
TITLE: PROJECT MANAGER

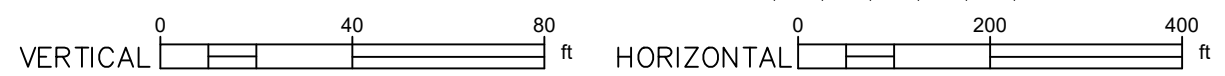
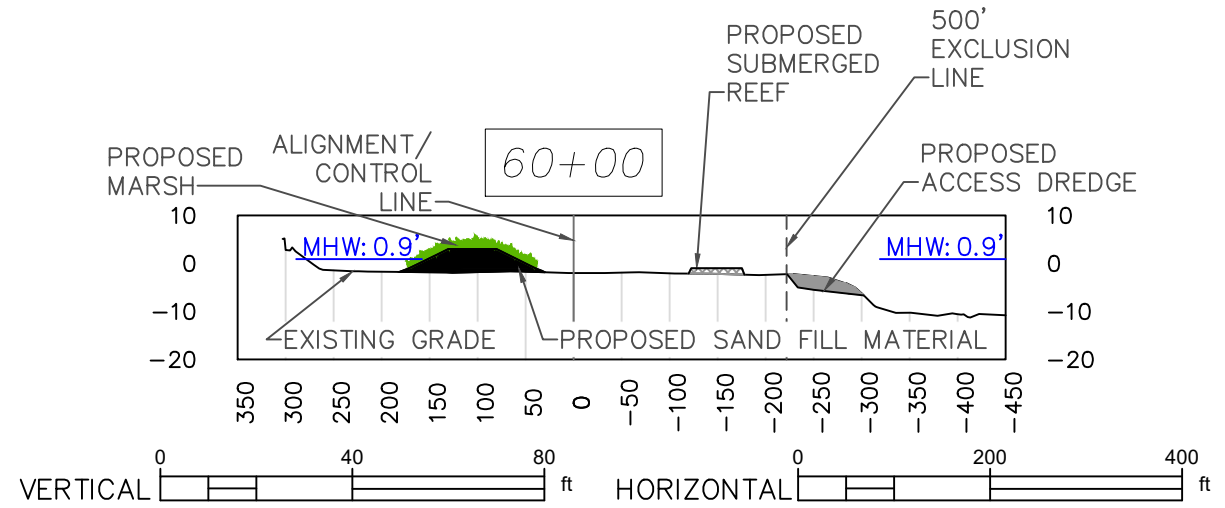
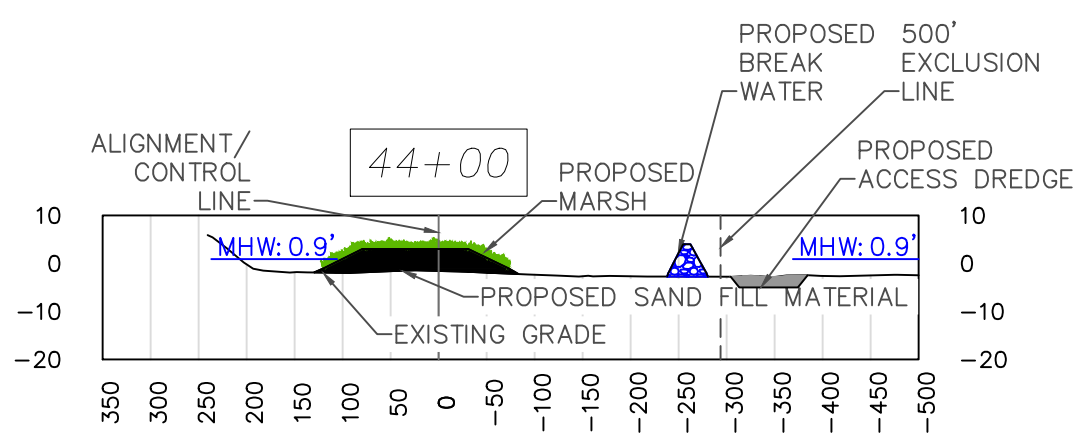
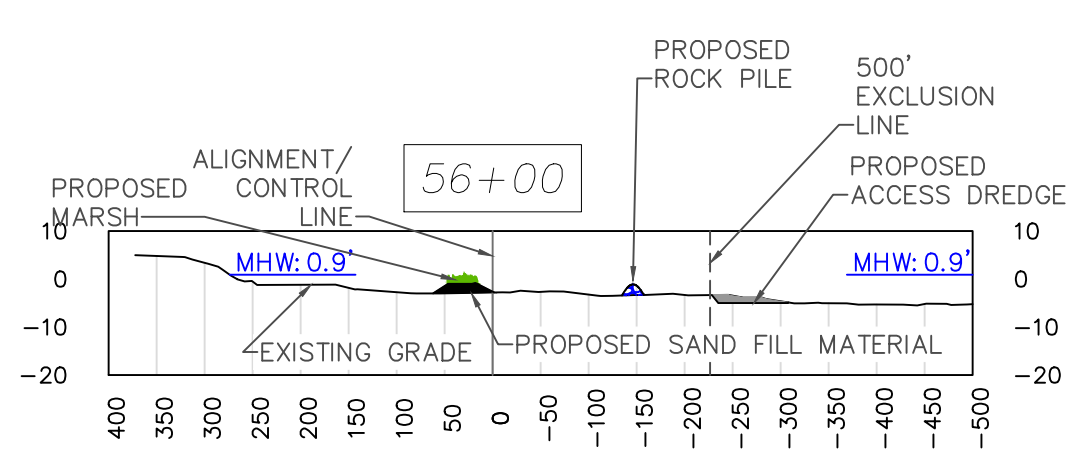
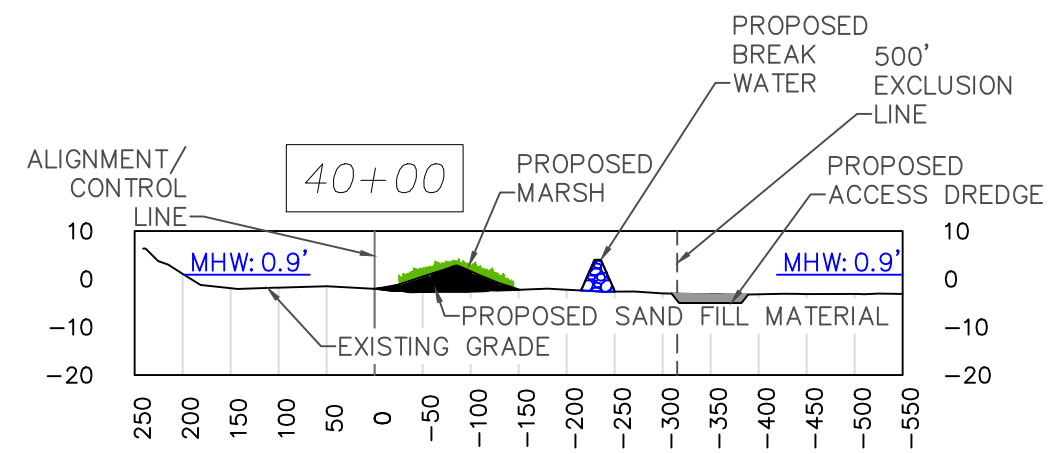
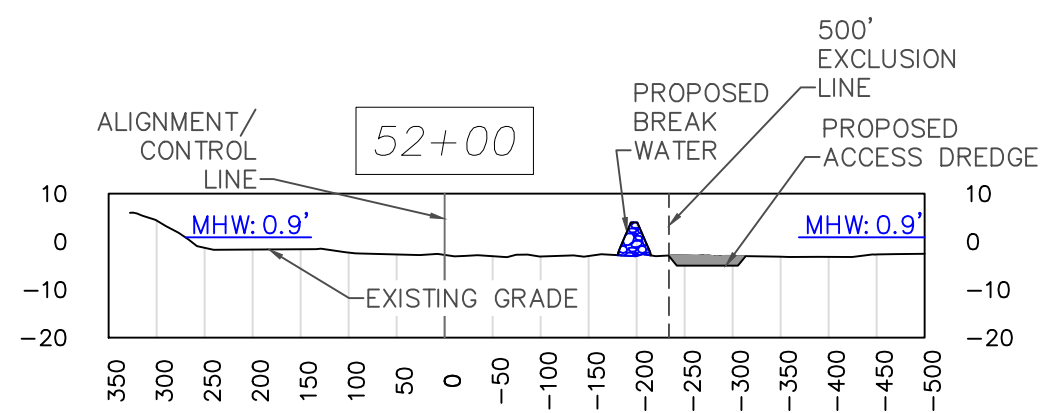
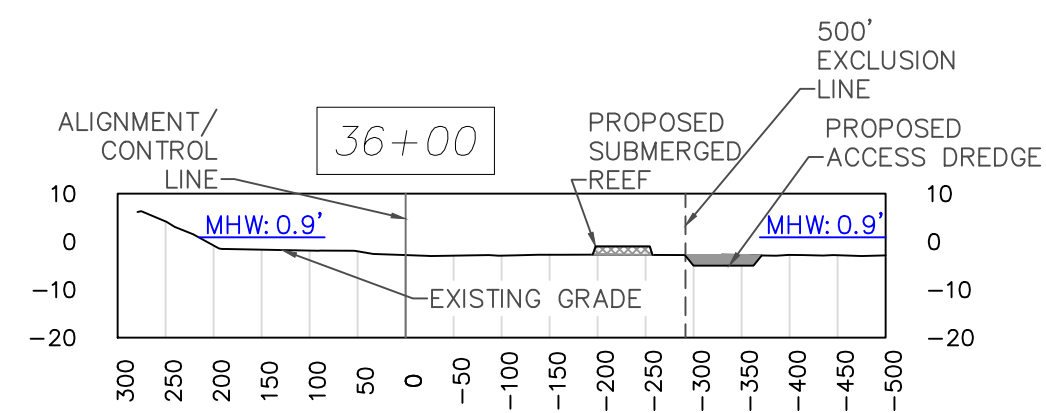
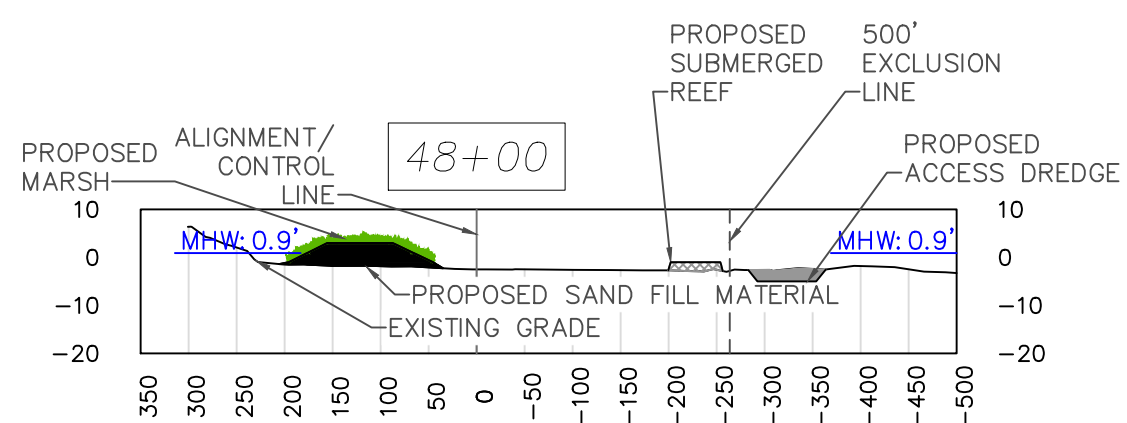
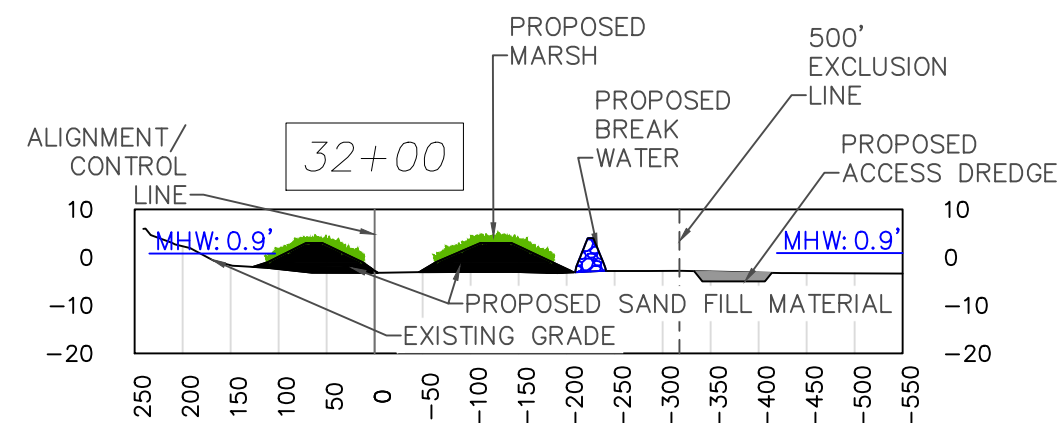
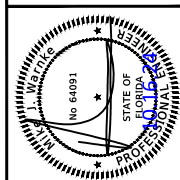
NO. 64091
STATE OF FLORIDA
PROFESSIONAL ENGINEER

VOLKERT
Engineers • Surveyors • Planners

DATE	DESCRIPTION	BY	CHECKED BY

DRAWING NUMBER
PROJECT NUMBER 1033000.848
SURVEY NUMBER
SHEET 11 OF 29

PENSACOLA BAY LIVING SHORELINE
SITE B CROSS SECTIONS



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

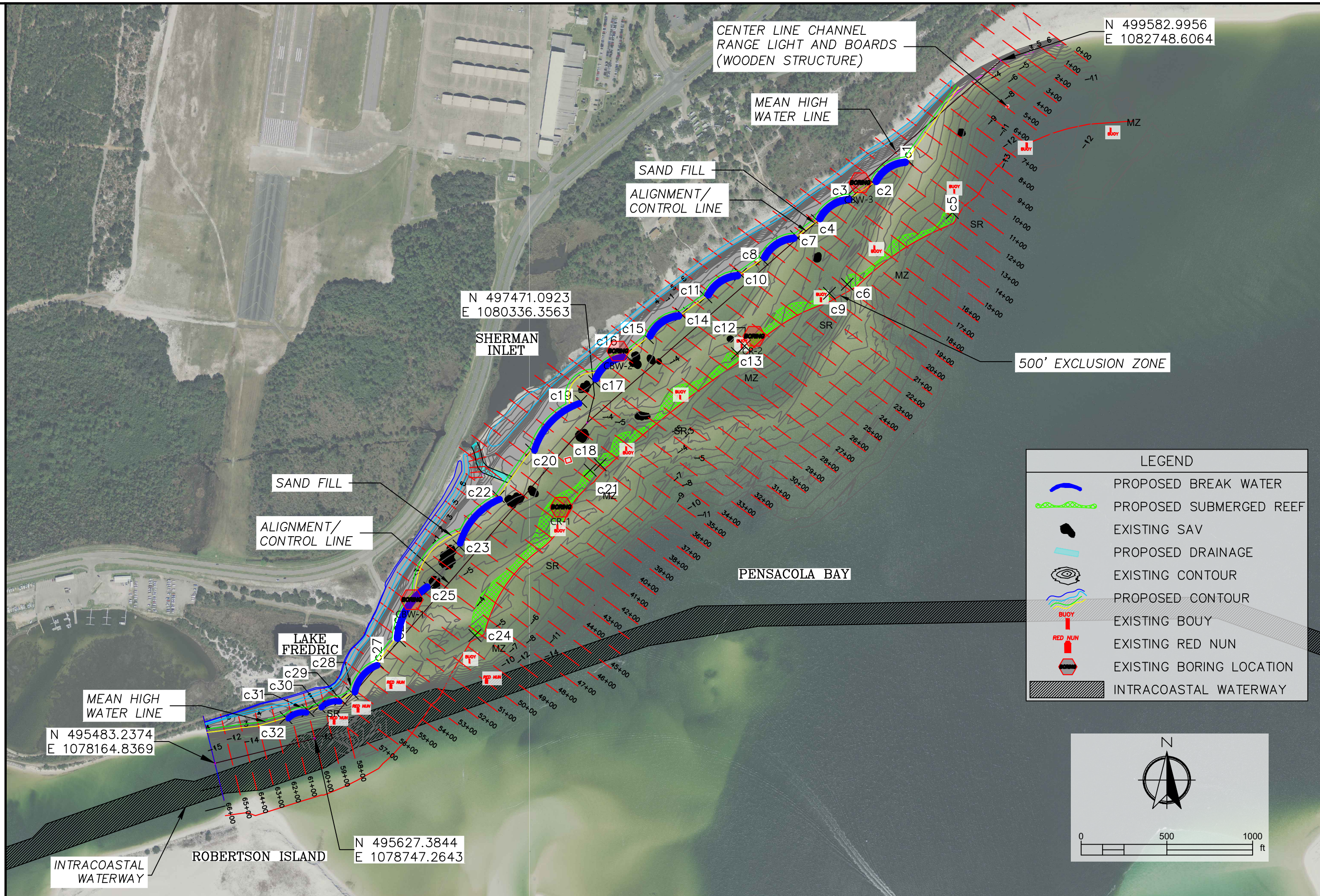
REG. PL. ENG. NO. 28976
DATE

DESIGNED BY: SAMANTHA CHANDLER
CHECKED BY: MIKE WARNKE
DATE: JAN 2026
DISTRICT: 12

SECTION: TOWNSHIP RANGE
FIELDBOOK PAGES: 21, 22, 23, 24, 25, 26, 27, 28, 29

Volkert
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NO.	DATE	APPROVED BY



CENTER LINE CHANNEL
RANGE LIGHT AND BOARDS
(WOODEN STRUCTURE)

N 499582.9956
E 1082748.6064

MEAN HIGH
WATER LINE

SAND FILL
ALIGNMENT/
CONTROL LINE

N 497471.0923
E 1080336.3563

SHERMAN
INLET

500' EXCLUSION ZONE

SAND FILL

ALIGNMENT/
CONTROL LINE

LAKE
FREDRIC

MEAN HIGH
WATER LINE

N 495483.2374
E 1078164.8369

PENSACOLA BAY

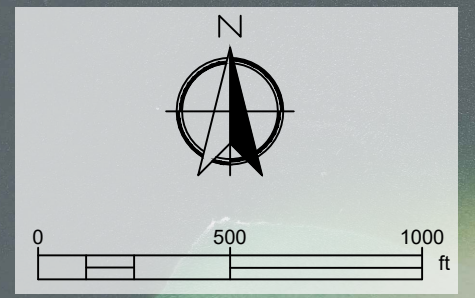
ROBERTSON ISLAND

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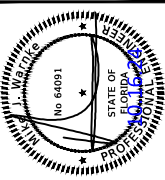
INTRACOASTAL
WATERWAY

LEGEND

- PROPOSED BREAK WATER
- PROPOSED SUBMERGED REEF
- EXISTING SAV
- PROPOSED DRAINAGE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING BOUY
- EXISTING RED NUN
- EXISTING BORING LOCATION
- INTRACOASTAL WATERWAY

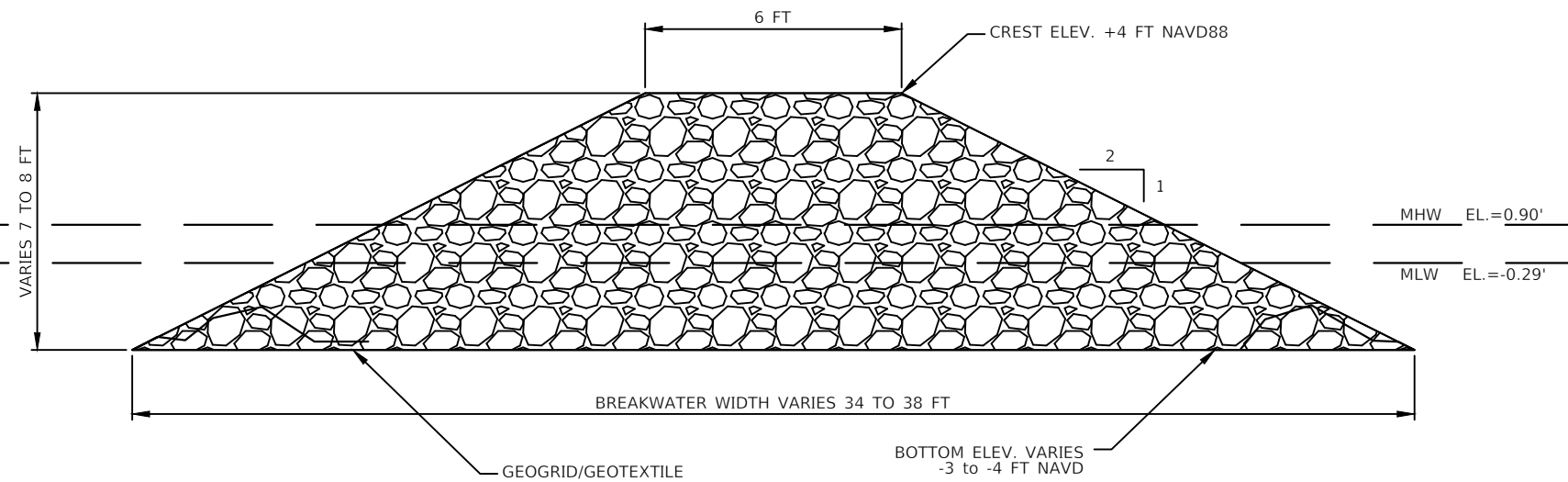


PENSACOLA BAY LIVING SHORELINE
SITE C SHERMAN INLET LAYOUT

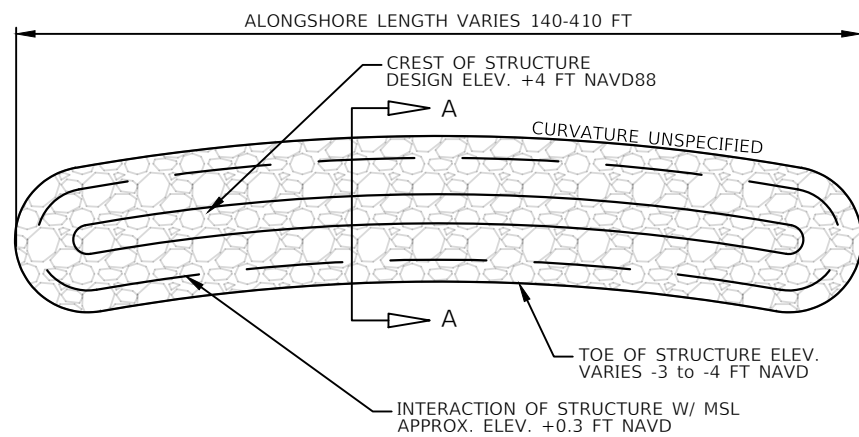


215 FAIRPOINT DRIVE SUITE B GULF BREEZE, FL 32561 Telephone (850) 412-8925	DATE: 28976
DESIGNED BY: SAMANTHA CHANDLER	CHECKED BY: MIKE WARNKE
DRAWN BY: JAN 2026	DATE: JAN 2026
PROJECT MANAGER: VARIES	DISTRICT: DISTRICT
SECTION: TOWNSHIP RANGE 31-25-30W AND E35-1W	SIGNATURE:

DATE	APPROVED
REVISIONS	
NUMBER	DRAWING NUMBER
	PROJECT NUMBER 1033000.848
	SURVEY NUMBER
	SHEET 15 OF 29



Section View A-A



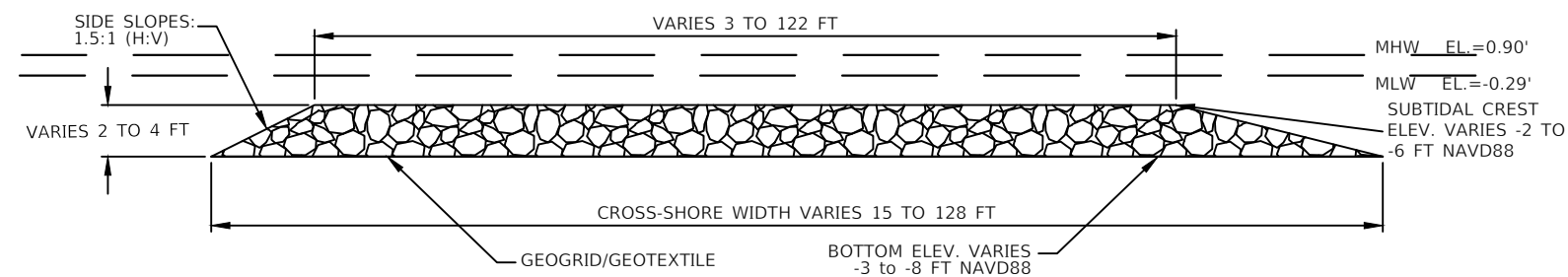
Plan View

Site C Breakwater Details

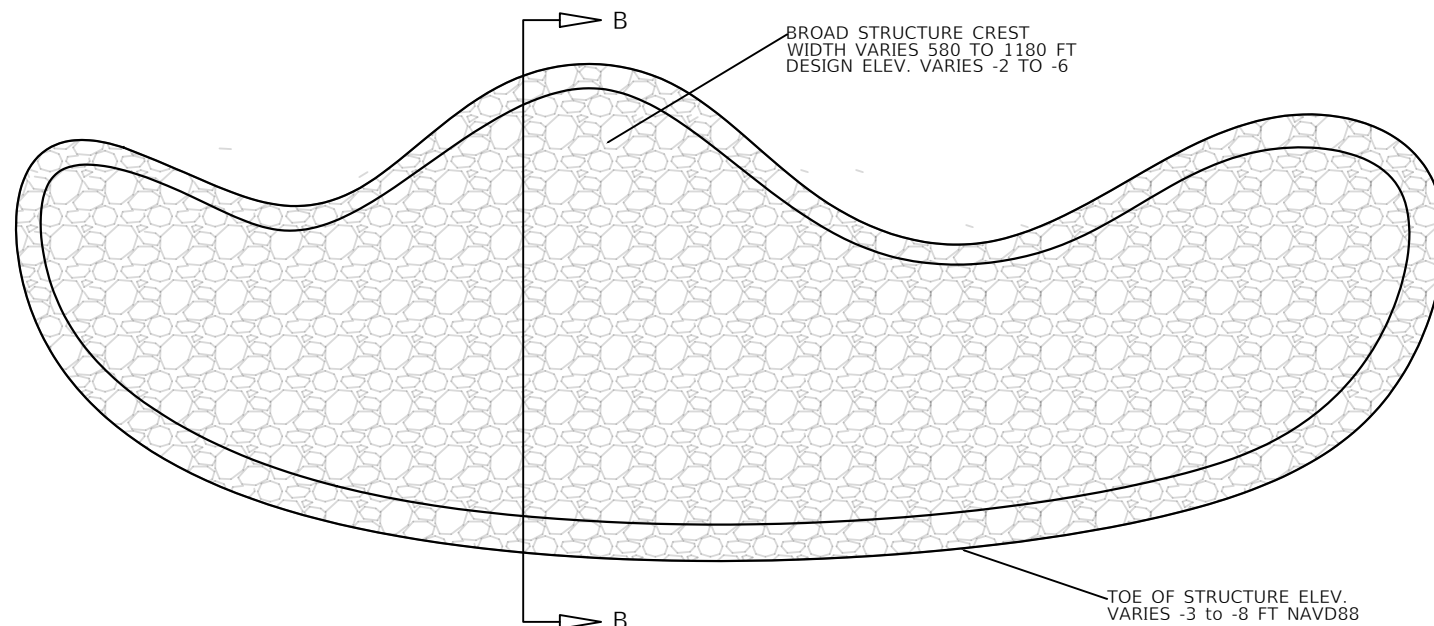
See sheets 14-16 for layout

NOT TO SCALE

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



Section View B-B

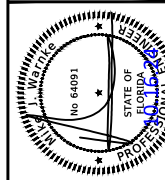


Plan View

Site C Subtidal Reef Details

See sheets 14-16 for layout

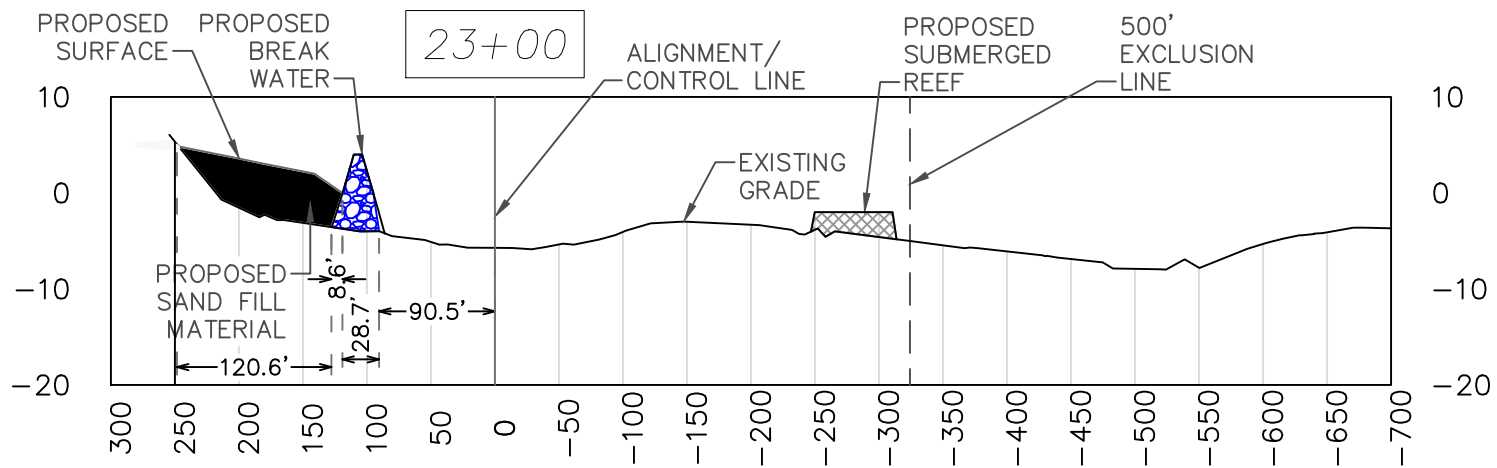
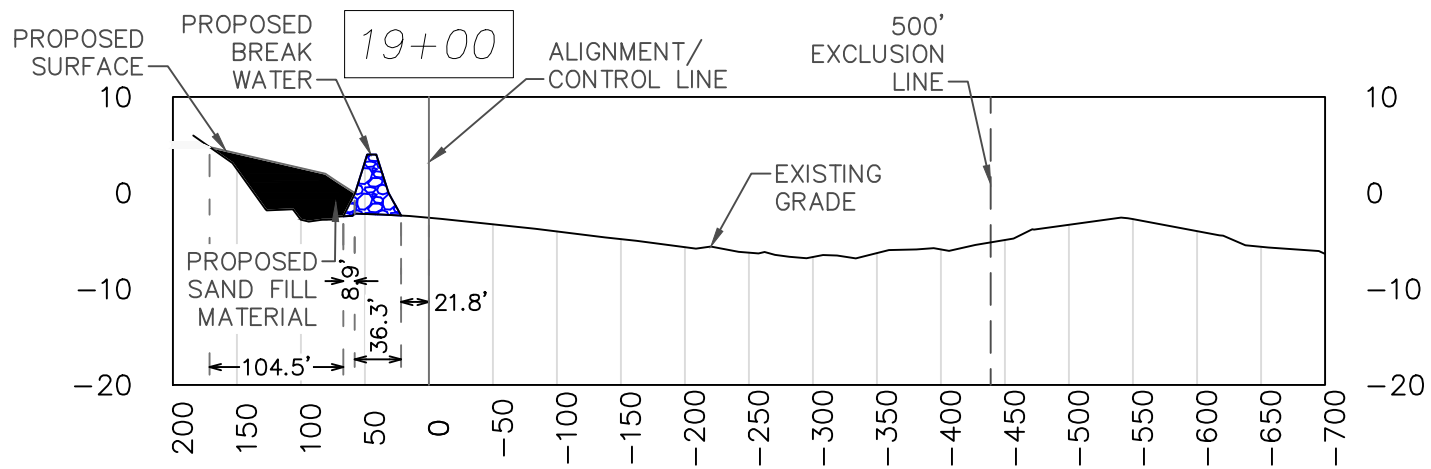
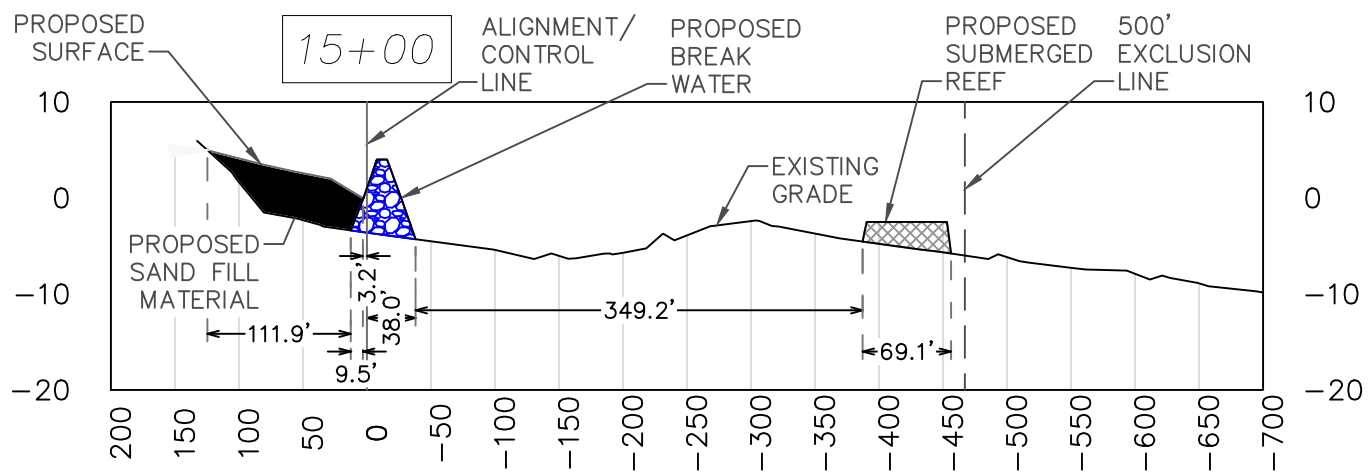
PENSACOLA BAY LIVING SHORELINE
SITE C SHERMAN INLET DETAILS



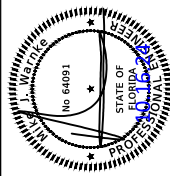
215 FAIRPOINT DRIVE SUITE B GULF BREEZE, FL 32561 Telephone (850) 412-8955	DATE:
REG. P.L.A. (ENG. NO.) 28976	SIGNATURE:
DESIGNED BY: SAMANTHA CHANDLER	CHECKED BY: MIKE WARWICK
DATE: JAN 2026	DISTRICT: O/C/MANAGER
SECTION/TOWNSHIP/RANGE 51.25-S04 AND LESS W	

REVISIONS	DATE	APPROVED

DRAWING NUMBER	
PROJECT NUMBER	1033000.848
SURVEY NUMBER	



PENSACOLA BAY LIVING SHORELINE
SITE C CROSS SECTIONS



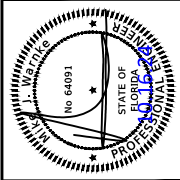
215 FAIRPOINT DRIVE
SUITE B 33561
GULF BREEZE, FL 32561
Telephone: (850) 512-8953
DATE: _____
REG. P.L. ENG. NO. 28976
SIGNATURE: _____

Volkert
Engineers • Surveyors • Planners
DRAWN BY: SAMANTHA CHANDLER
CHECKED BY: MIKE WARNEKE
DATE: JAN 2026
RESPONSIBLE: VARIUS
DISTRICT: _____
SECTION: TOWNSHIP RANGE
312550W AND E3517W

REVISIONS	DATE	APPROVAL

DRAWING NUMBER
PROJECT NUMBER 1033000.848
SURVEY NUMBER
SHEET 20 OF 29

PENSACOLA BAY LIVING SHORELINE
SITE C CROSS SECTIONS

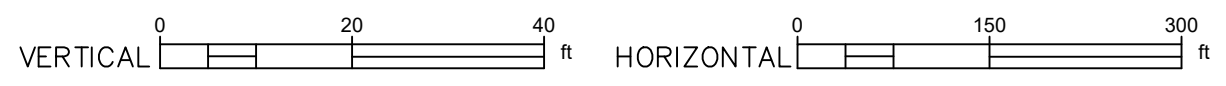
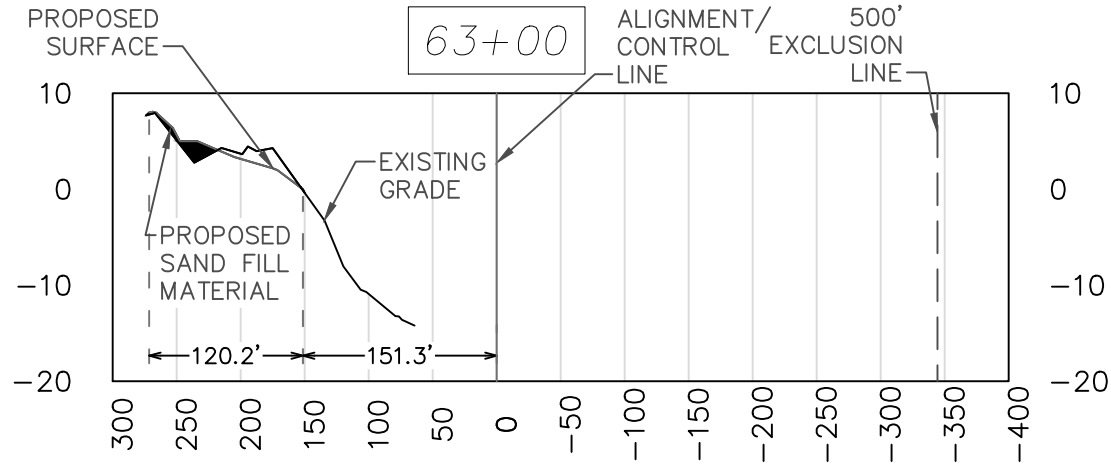
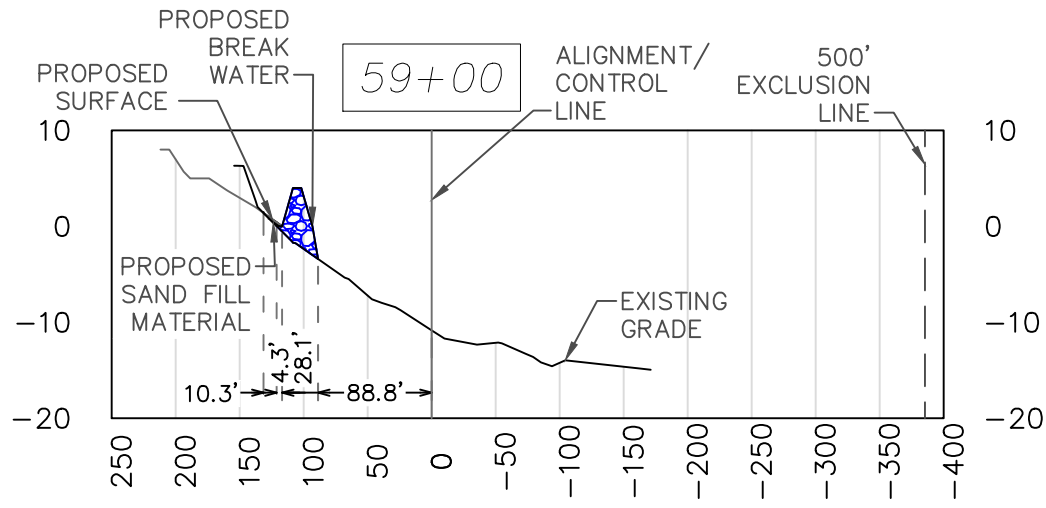
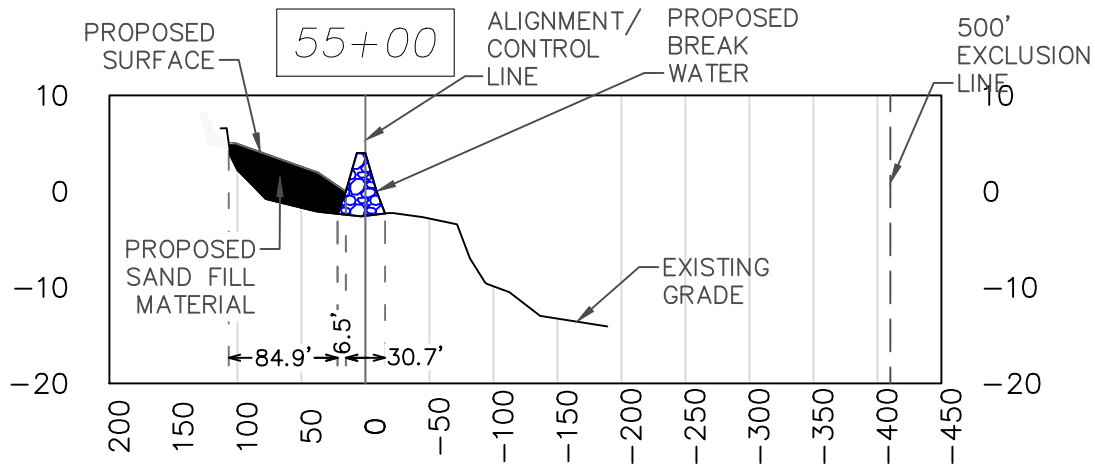
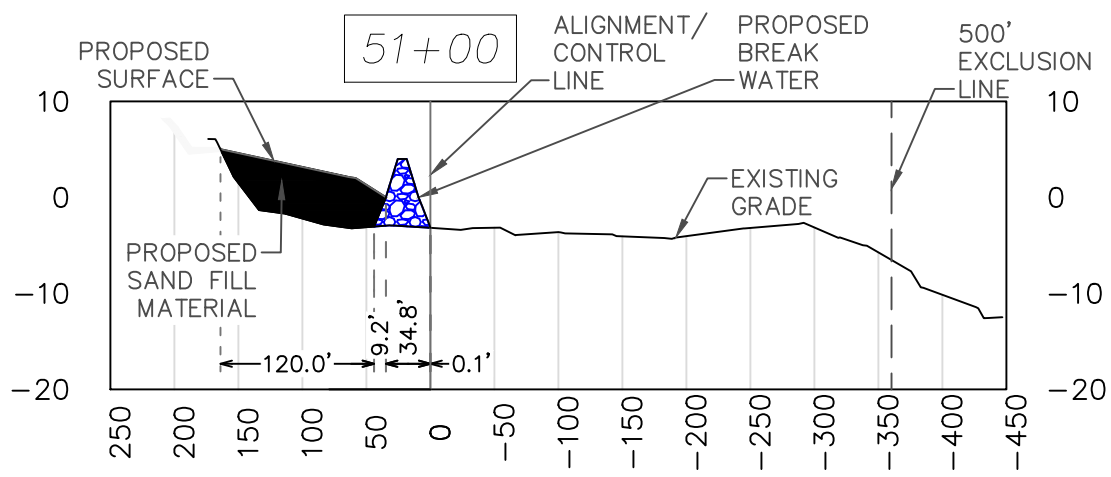


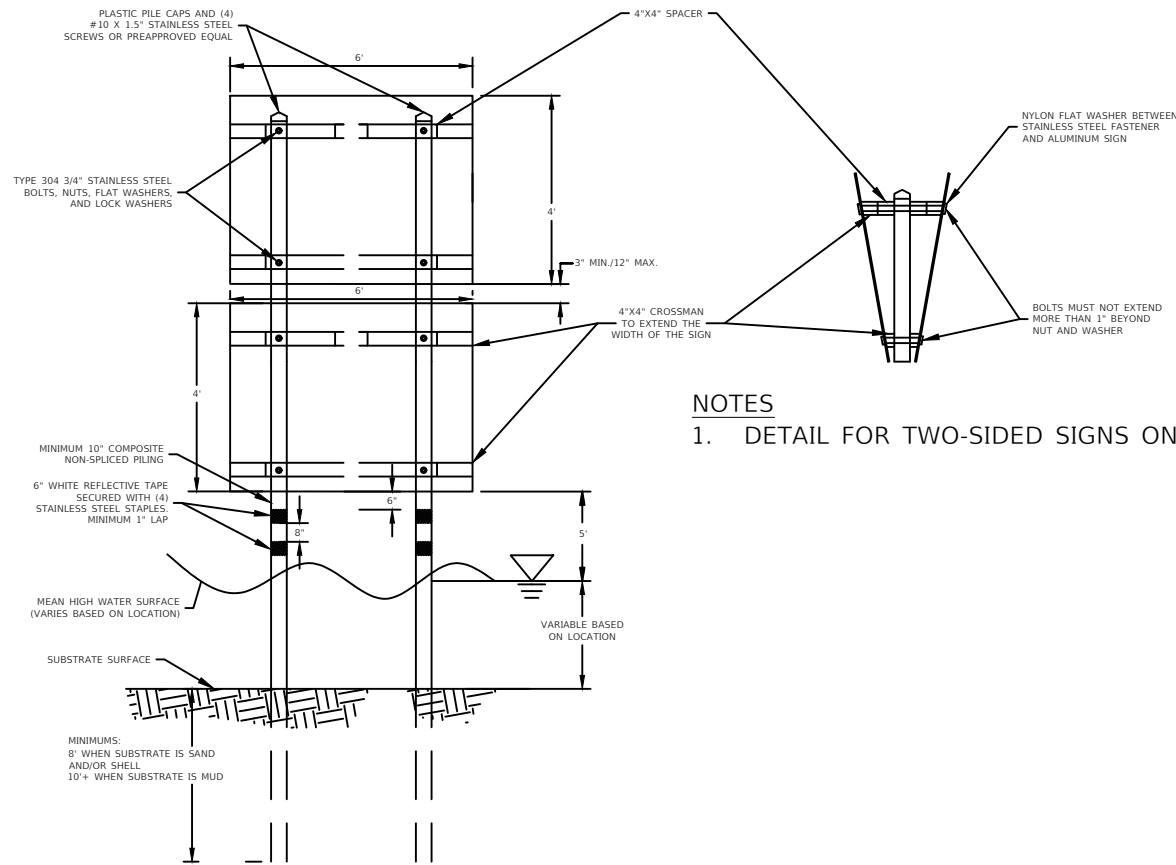
215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935

Volkert
Engineers, Surveyors & Planners
CREATED BY: SAMANTHA CHANDLER
PROJECT: VARIOUS
DATE: 11/10/16
CHECKED BY: MIKE WARNEKE
DISTRICT: 28976
REG. P.E. REG. NO.: 28976
DATE: 11/10/16
SIGNATURE: [Signature]

NUMBER	REVISIONS	DATE	APPROVED BY

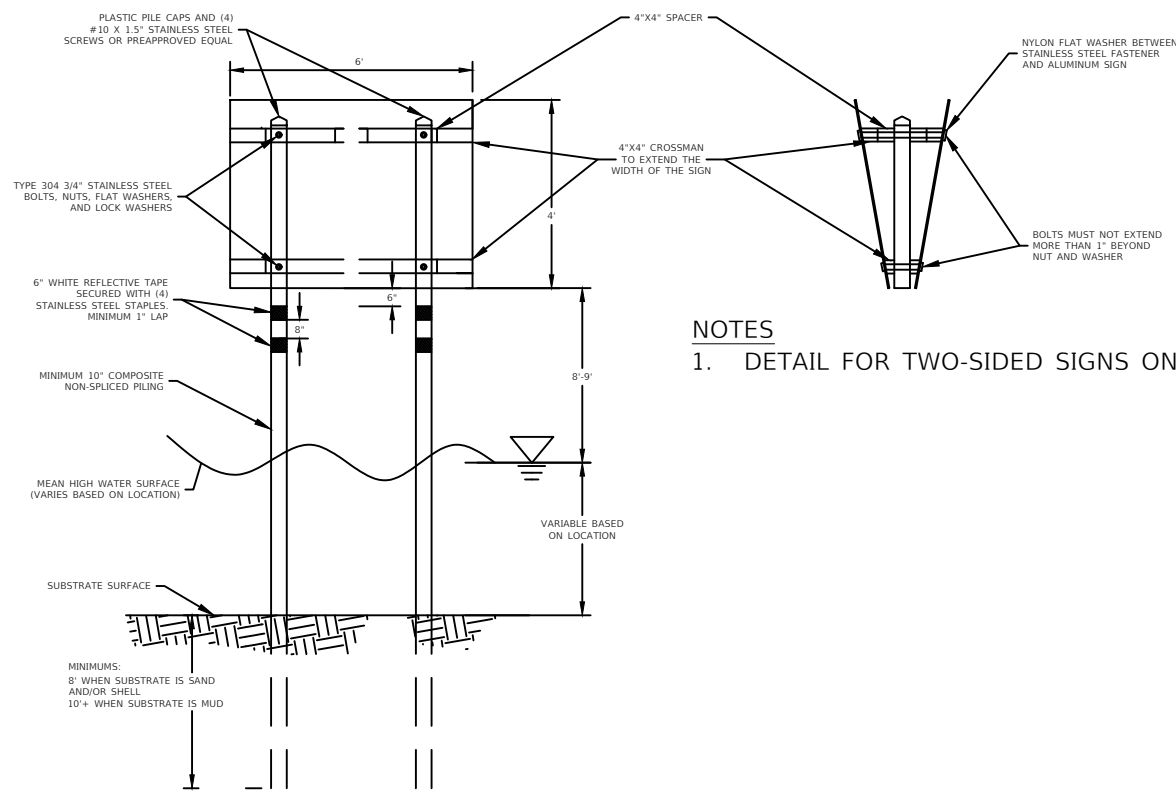
DRAWING NUMBER
PROJECT NUMBER 1033000.848
SURVEY NUMBER
SHEET 20 OF 29





NOTES
1. DETAIL FOR TWO-SIDED SIGNS ONLY.

SITE B - NOT TO SCALE



NOTES
1. DETAIL FOR TWO-SIDED SIGNS ONLY.

SITE C - NOT TO SCALE

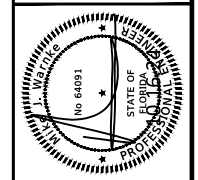
ALL SIGNS TO BE IN ACCORDANCE WITH GUIDELINES FOR POSTING UNIFORM WATERWAY MARKERS IN FLORIDA WATERWAYS. (FWC AND USFWS)

- NOTES**
1. ALL PILES TO BE 10-INCH DIAMETER USING COMPOSITE (E.G., FIBER REINFORCED) MATERIALS IN ORDER TO RESIST THE DESIGN EVENT WIND AND WAVE GOALS. THE COMPOSITE MATERIALS SHOULD BE INERT, UV STABLE, AND CAPABLE OF WITHSTANDING A MARINE ENVIRONMENT. AN ACCEPTABLE COMPOSITE PILING WILL HAVE A YIELD STRENGTH NOT LESS THAN 10,000 PSI, A MODULUS OF ELASTICITY NOT LESS THAN 1,000,000 PSI, A BEARING CAPACITY NOT LESS THAN 150,000 PSI, AND A FLEXURAL MODULUS NOT LESS THAN 1,000,000 PSI.
 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.

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

- NOTES**
1. ALL PILES TO BE 10-INCH DIAMETER USING COMPOSITE (E.G., FIBER REINFORCED) MATERIALS IN ORDER TO RESIST THE DESIGN EVENT WIND AND WAVE GOALS. THE COMPOSITE MATERIALS SHOULD BE INERT, UV STABLE, AND CAPABLE OF WITHSTANDING A MARINE ENVIRONMENT. AN ACCEPTABLE COMPOSITE PILING WILL HAVE A YIELD STRENGTH NOT LESS THAN 10,000 PSI, A MODULUS OF ELASTICITY NOT LESS THAN 1,000,000 PSI, A BEARING CAPACITY NOT LESS THAN 150,000 PSI, AND A FLEXURAL MODULUS NOT LESS THAN 1,000,000 PSI.
 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.
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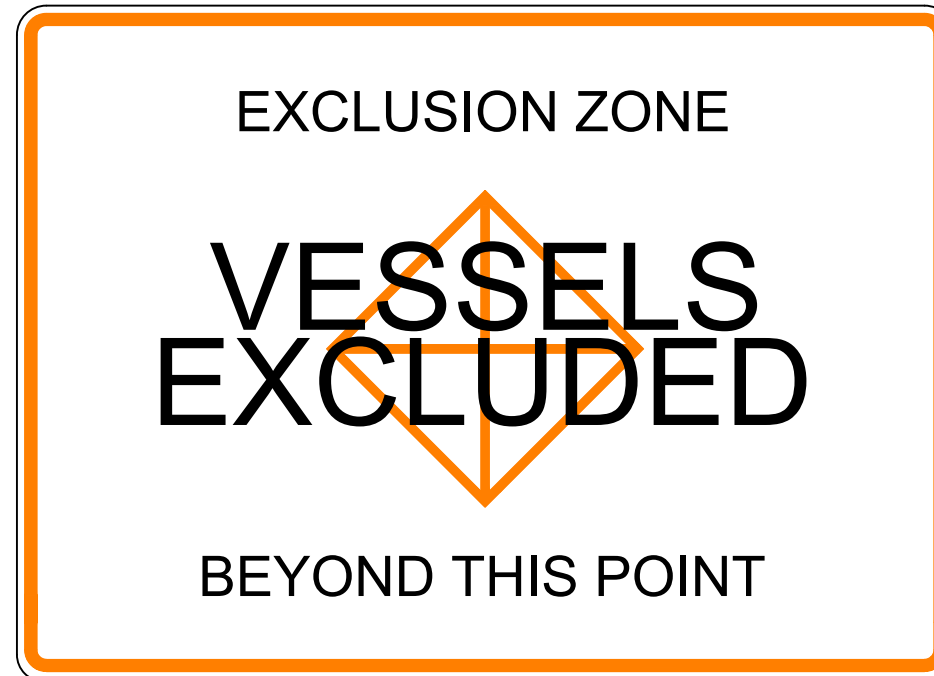
PENSACOLA BAY LIVING SHORELINE
SITES B & C AIDS TO
NAVIGATION DETAILS



215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8953
REG. FLA. ENG. NO. 28976
DATE: 28976
SIGNATURE:

Volkert
Engineers • Surveyors • Planners
DESIGNED BY: SAMANTHA CHANDLER
CHECKED BY: MIKE WARWICK
DATE: JAN 2026
FIELDBOOK PAGES:
SECTION/TOWNSHIP/RANGE
31E/30W AND 13E/31W

APPROVED BY:	DATE:	APPROVED BY:	DATE:
AMW	JEP/2026		
REVISIONS:	NOVEMBER 11, 2025		
NUMBER:			
DRAWING NUMBER:			
PROJECT NUMBER:	1033000.848		
SURVEY NUMBER:			
SHEET	24	OF	29



SIGN MESSAGE DETAIL: SITES B AND C

NTS

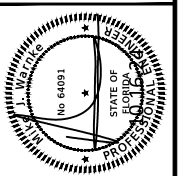
ALL SIGNS TO BE IN ACCORDANCE WITH GUIDELINES FOR POSTING UNIFORM WATERWAY MARKERS IN FLORIDA WATERWAYS. (FWC AND USFWS)

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
SITES B & C AIDS TO
NAVIGATION DETAILS



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

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

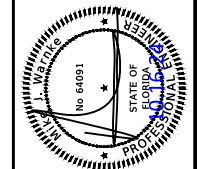
Volkert
Engineers • Surveyors • Planners

DESIGNED BY: SAMANTHA CHANDLER
CHECKED BY: MIKE WARNKE
DATE: JAN 2026
QUACK MANAGER: _____
DISTRICT: _____
SECTION/TOWNSHIP/RANGE: _____
EASTING AND NORTHING: _____

REVISIONS	DATE	APPROVED BY

DRAWING NUMBER
PROJECT NUMBER 1033000.848
SURVEY NUMBER
SHEET 25 OF 29

PENSACOLA BAY LIVING SHORELINE
ROBINSON ISLAND PLAN



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

Volkert
Engineers • Surveyors • Planners
DRAWN BY: SAMANTHA CHANDR VARIES
DESIGNED BY: MIKE WARNKE
DATE: JAN 2026
QUAD. MANAGER: _____
DISTRICT: _____
SECTION, TOWNSHIP, RANGE: 512S, 8W AND 13S, 31W
FIELD BOOK, PAGES: _____

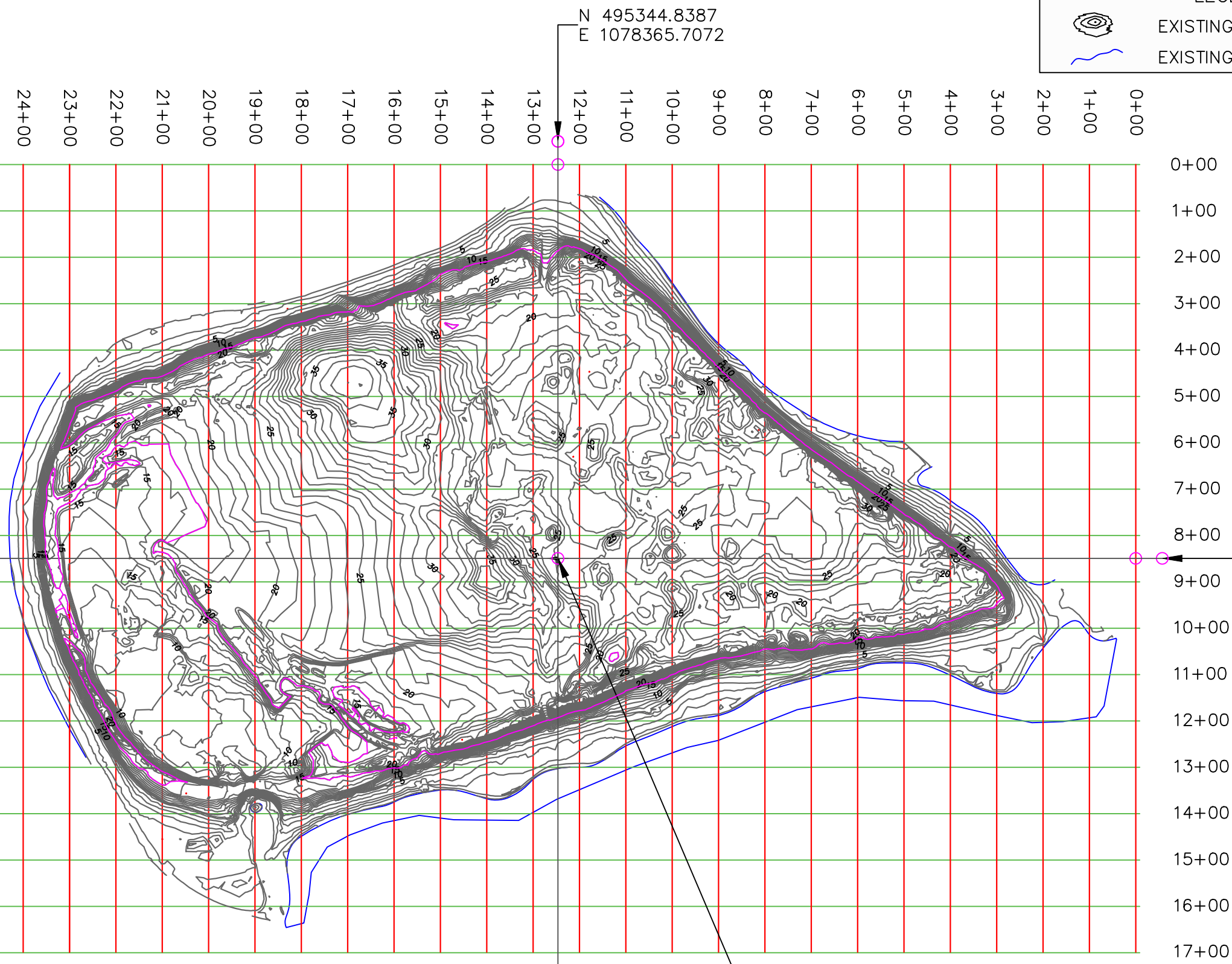
REVISIONS	DATE	APPROVED BY

DRAWING NUMBER: _____
PROJECT NUMBER: 1033000.848
SURVEY NUMBER: _____
SHEET 26 OF 29

LEGEND

EXISTING CONTOUR

EXISTING WATERS EDGE



N 494445.3762
E 1077062.0630

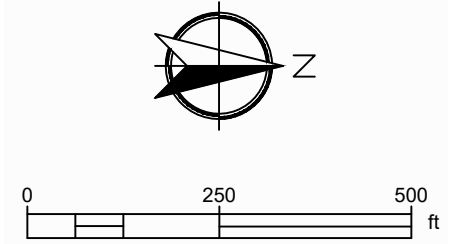
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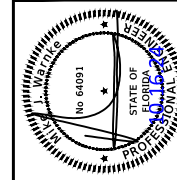
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E 1078365.7072

U.S. ARMY CORPS OF ENGINEERS
41 N JEFFERSON ST.
SUITE #301
PENSACOLA, FL 32502
(850) 439-3474

SAND MATERIAL (CU.YD.)	
1,286,823	EXISTING SAND
279,600	PROPOSED SAND REMOVAL
1,007,223	SAND AFTER REMOVAL
175,100	SITE B SAND REQUIRED
104,500	SITE C SAND REQUIRED





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

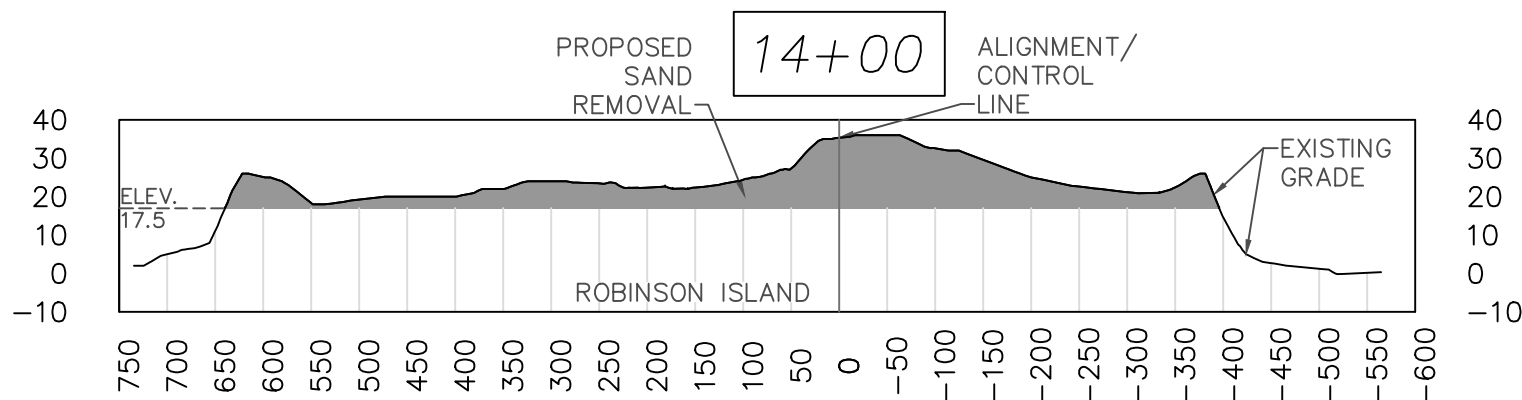
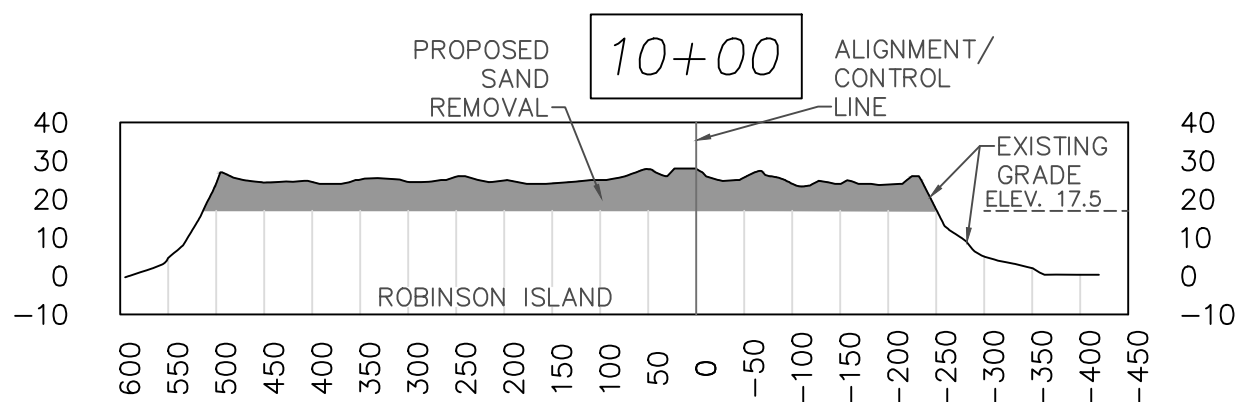
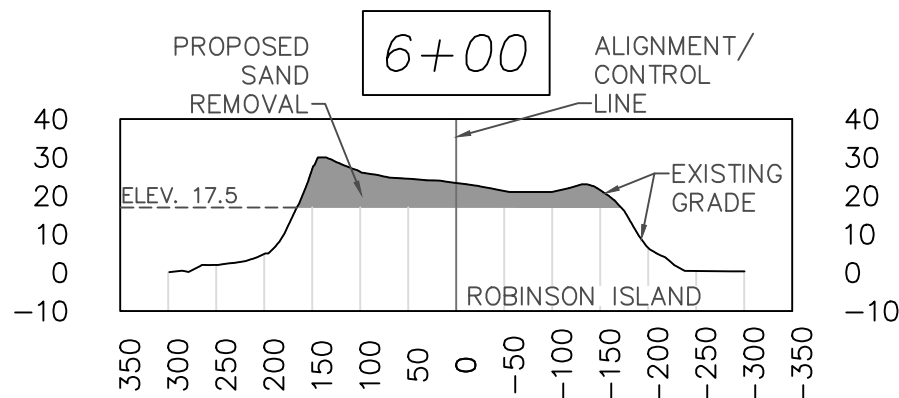
Volkert
Engineers • Surveyors • Planners
DRAWN BY: SAMANTHA CHANDLER
DESIGNED BY: VARIOUS
CHECKED BY: MIKE WARWICK
DATE: JAN 2026
FIELD BOOK PAGES: _____
SECTION: TOWNSHIP RANGE
512S-30W AND 13S-31W

REVISIONS	DATE	APPROVED BY

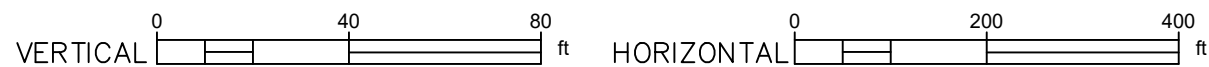
DRAWING NUMBER
PROJECT NUMBER 1033000.848
SURVEY NUMBER
SHEET 27 OF 29

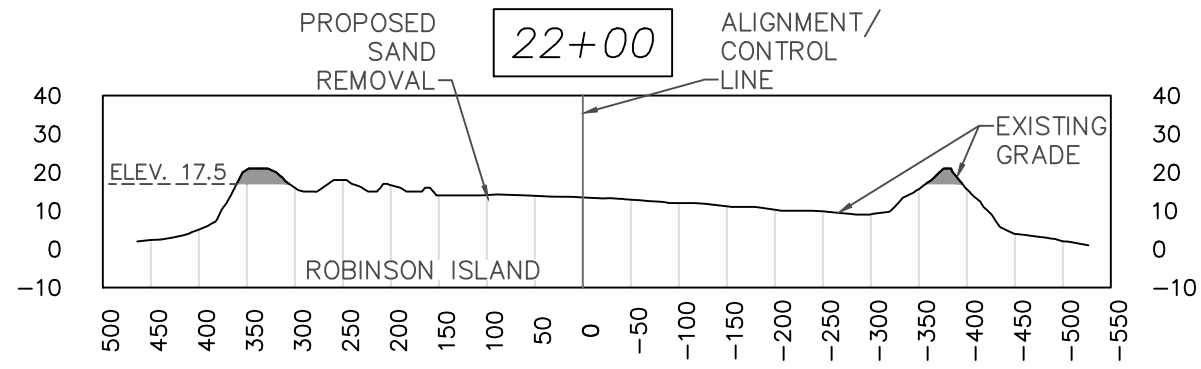
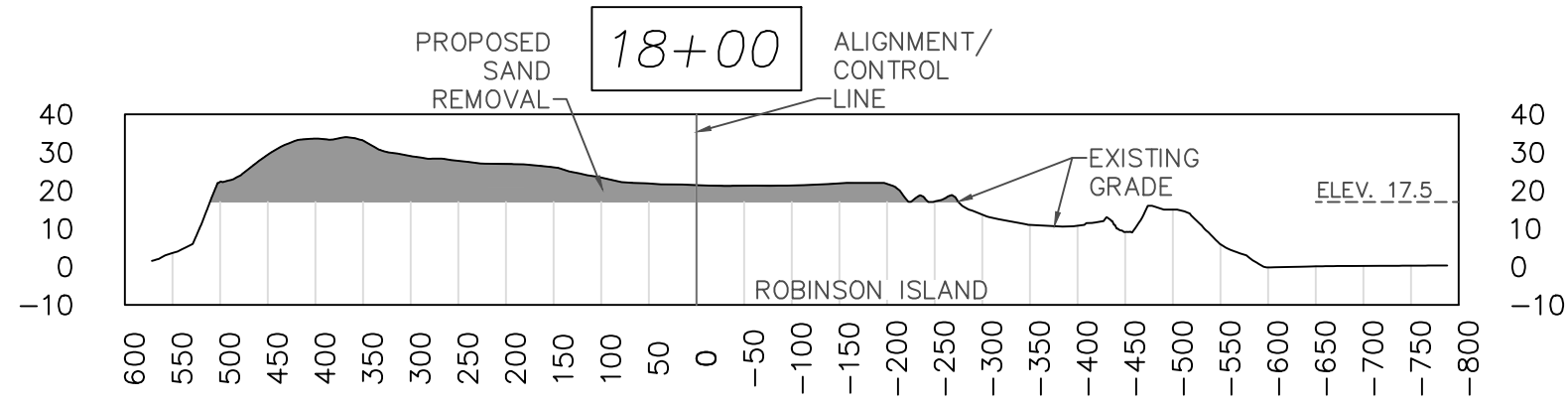
DA45 NOTE:

- 1.) ESCAMBIA COUNTY AND THE USACE MOBILE DISTRICT HAVE ENTERED INTO AN AGREEMENT, INCLUDED AS PART OF THE PROJECT MANUAL, FOR THE USE OF THE SAND FROM DA-45 ROBINSON ISLAND, THE USACE DISPOSAL SITE. ALL WORK TO BE WITHIN SAID AGREEMENT.
- 2.) THE CONTRACTOR IS TO CONTACT THE USACE MOBILE DISTRICT PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES THAT WILL IMPACT DA45-ROBINSON ISLAND.
- 3.) U.S. ARMY CORPS OF ENGINEERS, MOBILE DISTRICT, REQUESTS THAT ALL MATERIAL REMOVED FROM DISPOSAL AREA #45 FOR THE LIVING SHORELINE PROJECT BE TAKEN FROM THE INTERIOR OF THE SITE. THE EXISTING SAND CONTAINMENT DIKE PERIMETER SHALL REMAIN IN-PLACE. ADDITIONALLY, THE EXISTING WEIR STRUCTURE AND DISCHARGE PIPES LOCATED IN THE SOUTHWEST CORNER OF THE SITE SHALL REMAIN IN-PLACE.
- 4.) IN THE EVENT MATERIAL FROM THE INTERIOR OF THE SITE IS NOT SUFFICIENT AND ADDITIONAL SAND MATERIAL IS NEEDED, THE CONTRACTOR MAY SEND A REQUEST TO MOBILE DISTRICT TO REMOVE SAND MATERIAL FROM THE TOP OF THE SAND CONTAINMENT DIKE IN UNIFORM INCREMENTS LEAVING A CONSISTENT GRADE THROUGHOUT THE PERIMETER OF THE SITE.
- 5.) UPON COMPLETION OF WORK, THE CONTRACTOR SHALL LEAVE THE SITE WITH FULLY INTACT SAND CONTAINMENT DIKE SURROUNDING THE ENTIRE PERIMETER OF THE SITE WITH WEIR STRUCTURES AND DISCHARGE PIPES IN-PLACE.
- 6.) IN THE EVENT MAINTENANCE DREDGING OF THE GULF INTRACOASTAL WATERWAY (GIWW) FEDERAL NAVIGATION CHANNEL IS REQUIRED AND DISPOSAL AREA #45 IS NEEDED FOR PLACEMENT OF DREDGED MATERIAL, THE CONTRACTOR SHALL VACATE THE PREMISES 30-DAYS PRIOR TO ANY MAINTENANCE DREDGING PROJECT. TYPICAL DREDGING PROJECTS IN THIS AREA LAST APPROXIMATELY 2-4 WEEKS, BUT COULD TAKE LONGER DUE TO WEATHER AND/OR MECHANICAL DELAYS. UPON COMPLETION OF MAINTENANCE DREDGING ACTIVITIES, THE CONTRACTOR CAN RESUME SAND REMOVAL ACTIVITIES. MOBILE DISTRICT MAINTENANCE DREDGING WILL TAKE PRECEDENCE OVER THE LIVING SHORELINE SAND REMOVAL PROJECT.

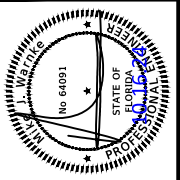
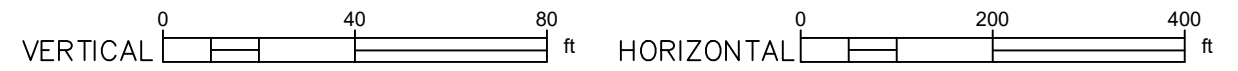


E-W ALIGNMENT CROSS SECTION





E-W ALIGNMENT CROSS SECTION

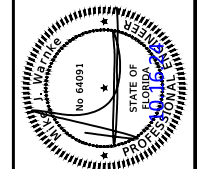


215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935

REG. FLA. ENG. NO. 28976 DATE: JAN 2026

DESIGNED BY: SAMANTHA CHANDIP VARIAS
CHECKED BY: MIKE WARNEKE
DATE: JAN 2026
SECTION: TOWNSHIP/RANGE 51/2S-30W AND 1/38S-31W

REVISIONS	DATE	APPROVED BY

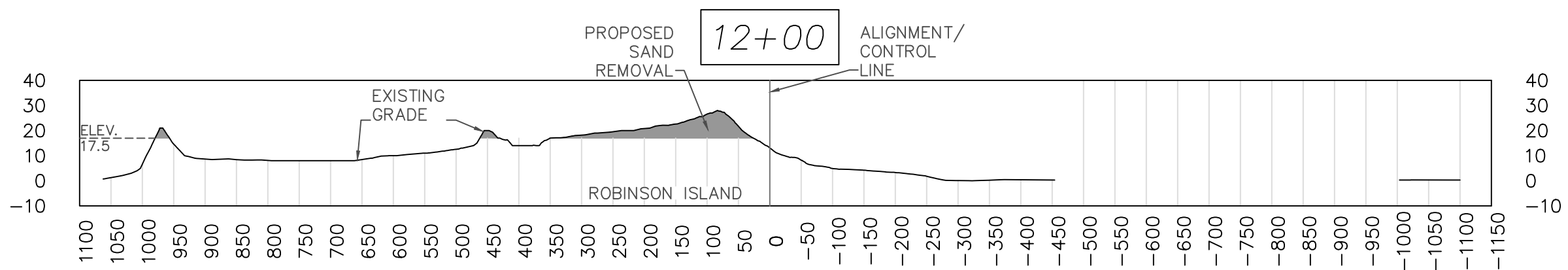
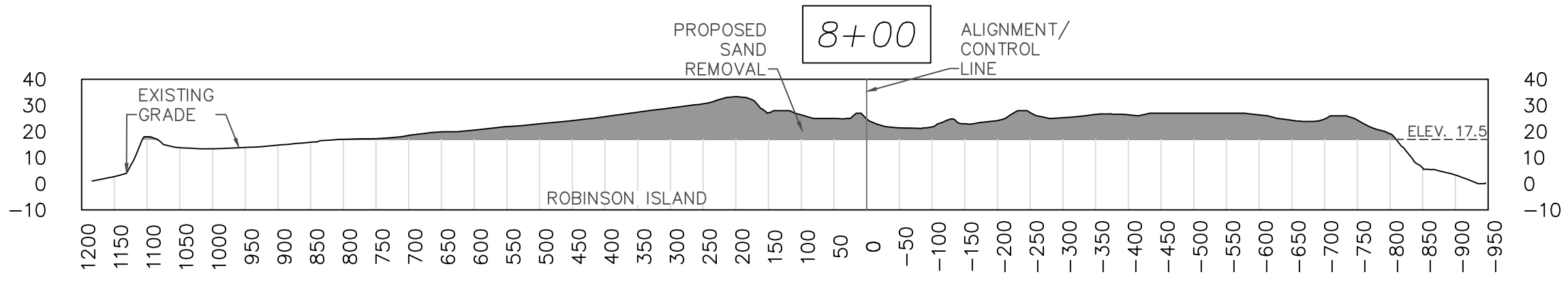
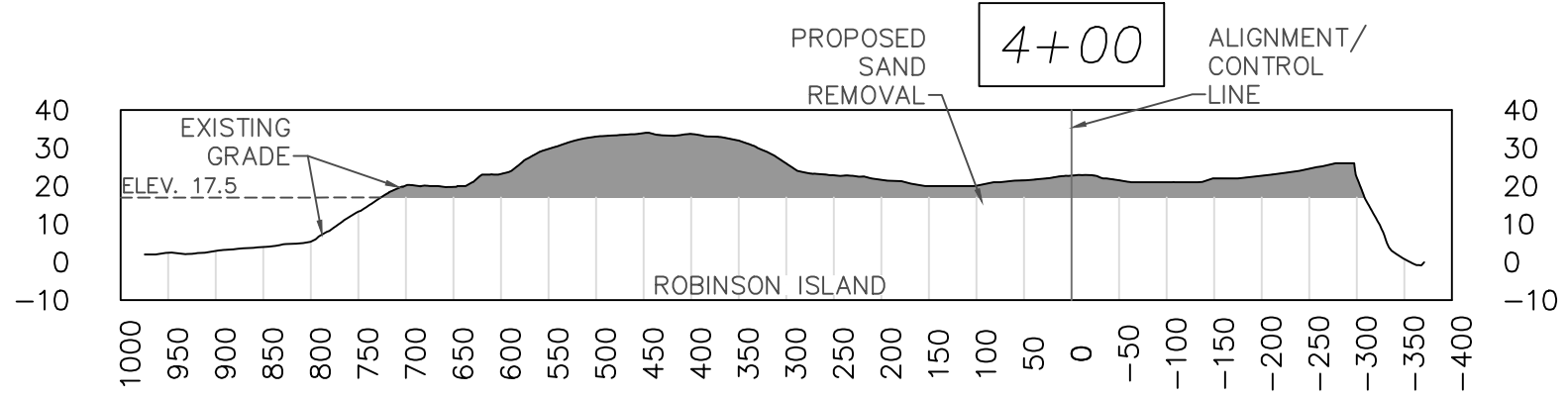


215 FAIRPOINT DRIVE
SUITE B
GULF BREEZE, FL 32561
Telephone (850) 512-8935
REG. FLA. ENG. NO. 28976
DATE: _____
SIGNATURE: _____

Volkert
Engineers • Surveyors • Planners
DRAWN BY: SAMANTHA CHANDLER
DESIGNED BY: VARIOUS
DATE: JAN 2026
CHECKED BY: MIKE WARNKE
DISTRICT: _____
SECTION: TOWNSHIP RANGE
512S-30W AND L38S13W
FIELD BOOK: PAGES: _____

REVISIONS	DATE	APPROVED BY

DRAWING NUMBER: _____
PROJECT NUMBER: 1033000.848
SURVEY NUMBER: _____
SHEET 29 OF 29



N-S ALIGNMENT CROSS SECTION

