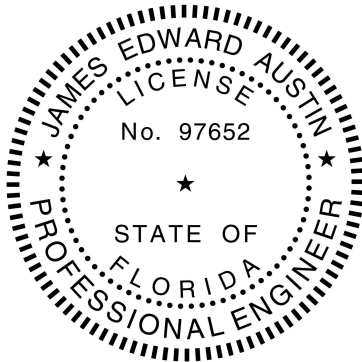


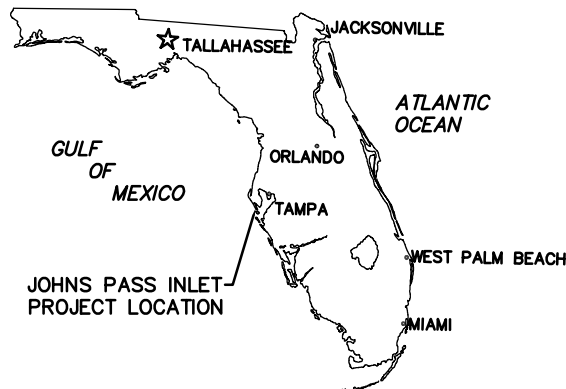
JOHNS PASS DREDGING PROJECT MADEIRA BEACH, FLORIDA

James E
Austin

Digitally signed by
James E Austin
Date: 2025.04.11
08:01:06 -04'00'



INDEX TO SHEETS	
1	COVER SHEET
2-3	PLAN VIEW
4-6	CROSS SECTION
7-9	DEWATERING ALTERNATIVES
10	TURBIDITY MONITORING MAP
11	DISPOSAL LOCATION MAP



This item has been digitally signed and sealed by James Edward Austin, P.E. on the specified date using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



PROJECT LOCATION DETAIL
SCALE: 1" = 5000'

NOTES:

1. TOPOGRAPHIC SURVEY CONDUCTED 12/3/2022.
2. COORDINATES ARE IN FEET. PRESENTED RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) GEOID 18 AND THE FLORIDA STATE PLANE COORDINATE SYSTEM BASED ON THE TRANSVERSE MERCATOR PROJECTION, EAST ZONE, NORTH AMERICAN DATUM OF 1983(2011) (NAD 83/11).
3. 2022 AERIAL IMAGERY: 2024 MICROSOFT CORPORATION; 2024 MAXAR; CNES (2024) DISTRIBUTION AIRBUS DS.
4. MHW AND MLW ELEVATIONS WERE DETERMINED FROM NOAA STATION 8726533.
5. THE MAJORITY OF INLAND WATERS IN THE VICINITY OF THE PROJECT AREA ARE E1UBL (ESTUARINE SUBTIDAL UNCONSOLIDATED BOTTOM SUBTIDAL).

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FOR REGULATORY REVIEW ONLY

JAMES E. AUSTIN, P.E. NO. 97652

DATE

REVISIONS

DATE	BY	DESCRIPTION

JOHNS PASS DREDGING PROJECT
MADEIRA BEACH, FL
COVER SHEET

Aptim Environmental & Infrastructure, LLC

PH: (850) 391-4102
FAX: (850) 391-4116
C.O.A. FL #0017
C.O.A. LA #0051

1401 CONGRESS AVENUE, SUITE 140
BOCA RATON, FLORIDA 33487
www.aptim.com

DATE:

10/18/24

BY:

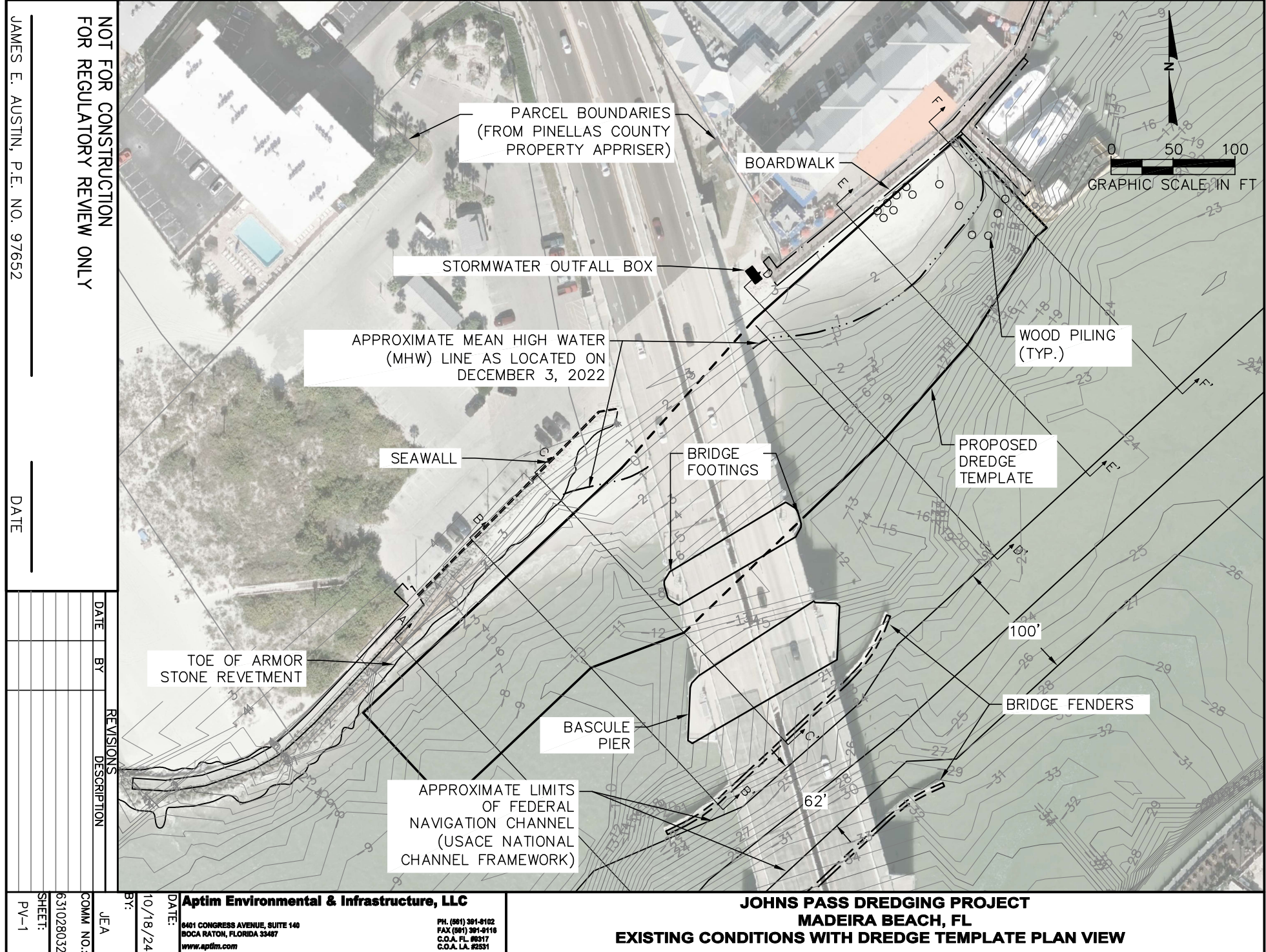
JEA

COMM NO.:

631028032

SHEET:

CS



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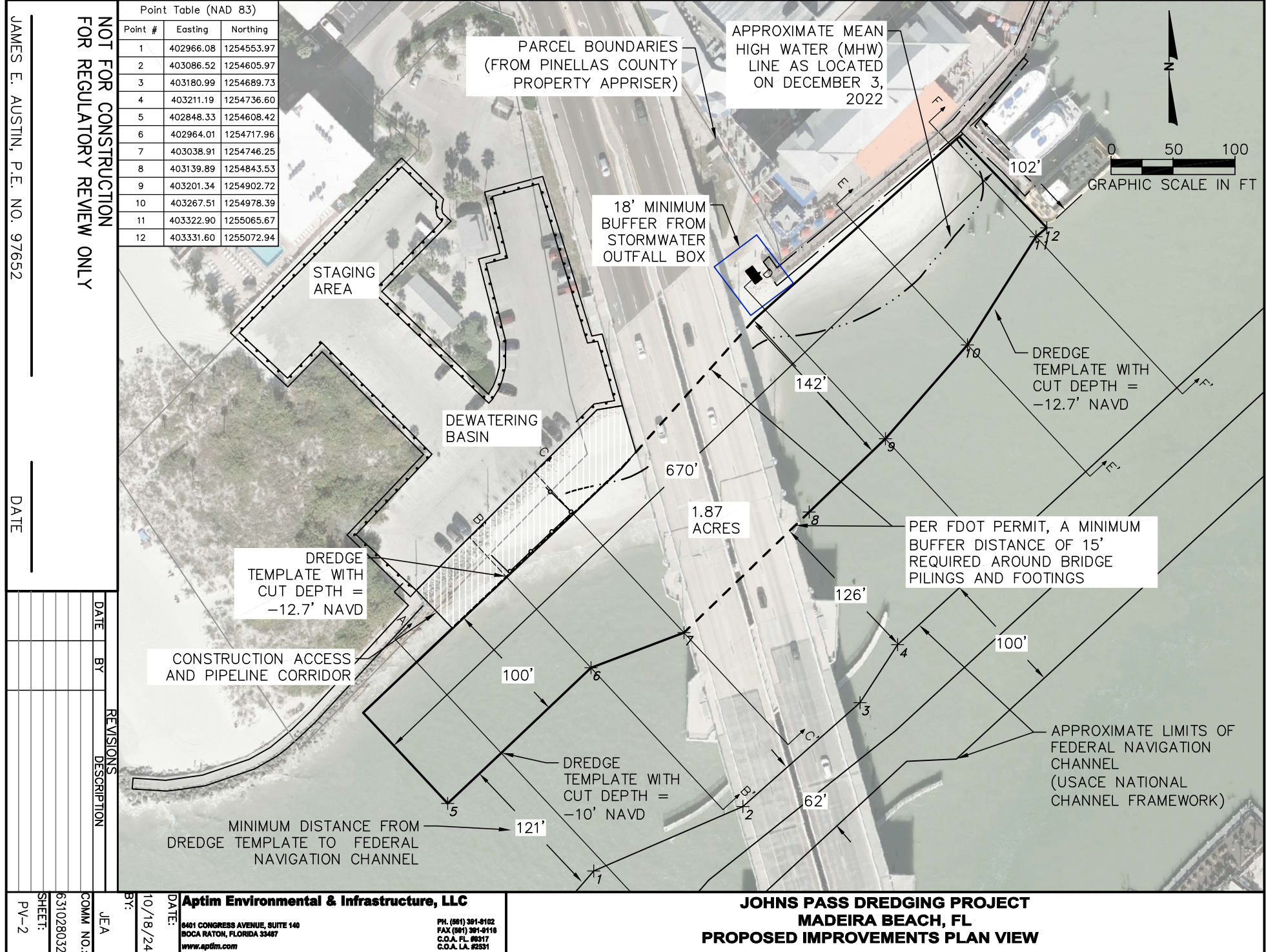
JAMES E. AUSTIN, P.E. NO. 97652

DATE

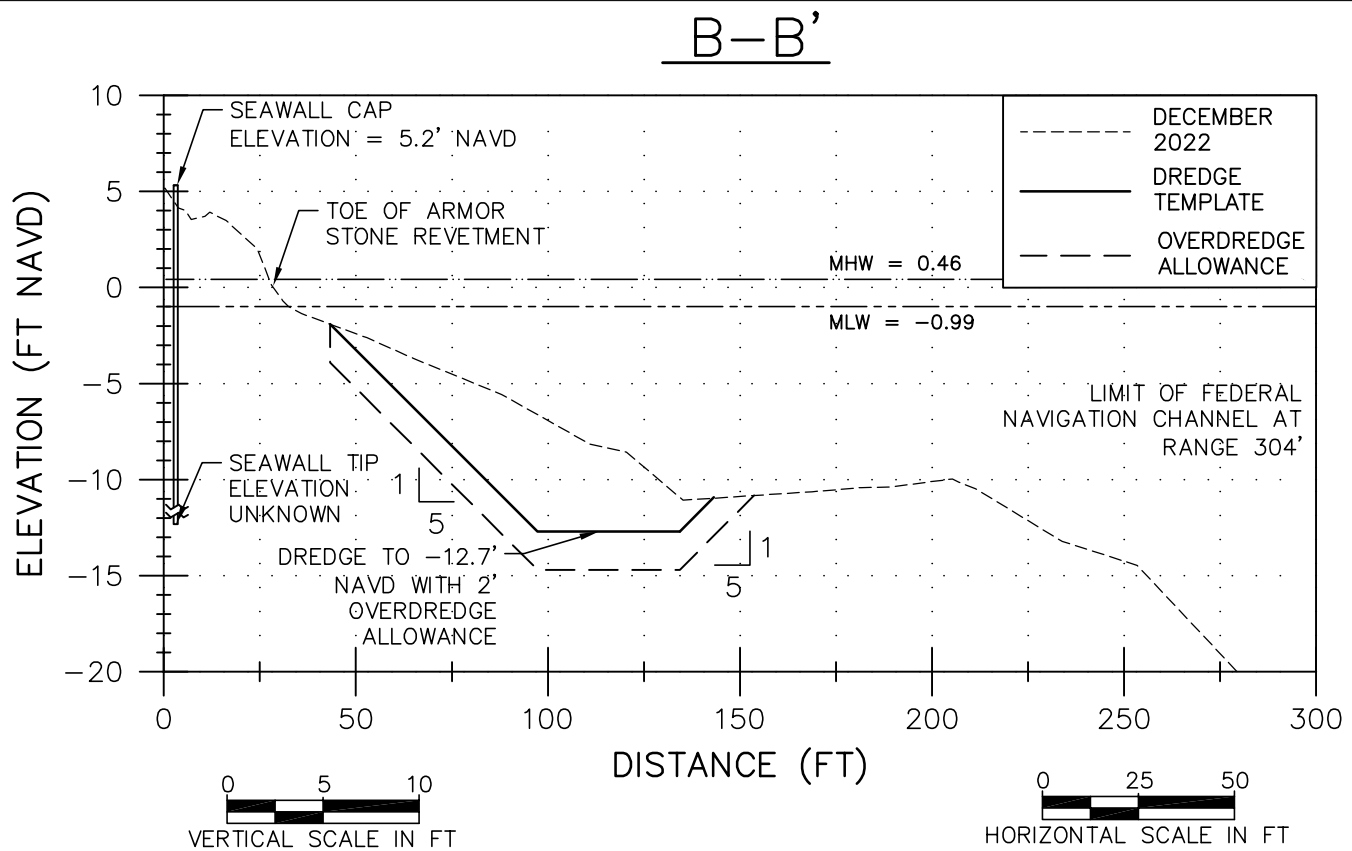
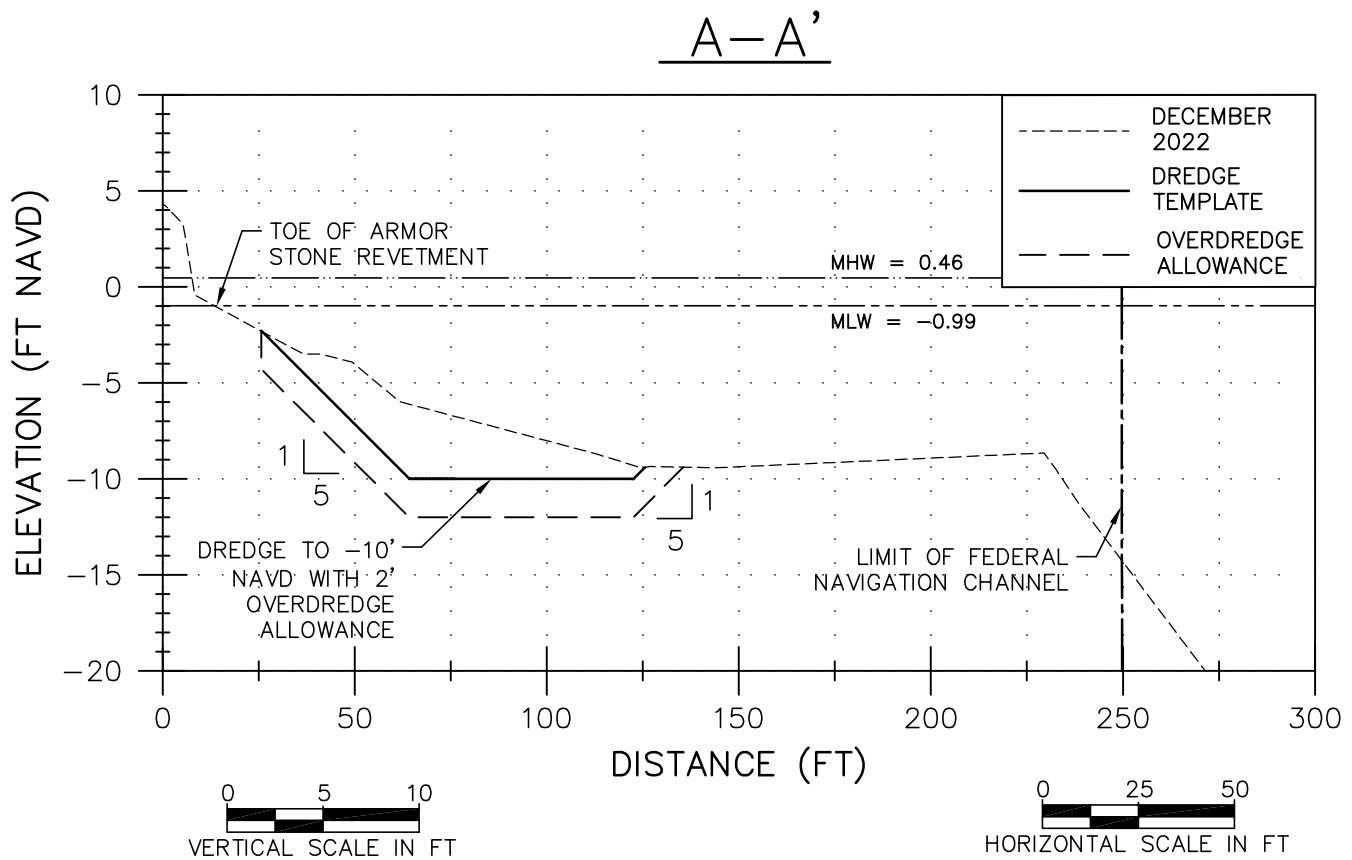
DATE	BY	REVISIONS
		DESCRIPTION

COM NO. 631028032	JEA	DATE: 10/18/24	BY: 10/18/24	Aptim Environmental & Infrastructure, LLC 6401 CONGRESS AVENUE, SUITE 140 BOCA RATON, FLORIDA 33487 www.aptim.com PH. (561) 391-8102 FAX (561) 391-8118 C.O.A. FL. #8317 C.O.A. LA. #2531
SHEET: PV-1				

JOHNS PASS DREDGING PROJECT
MADEIRA BEACH, FL
EXISTING CONDITIONS WITH DREDGE TEMPLATE PLAN VIEW



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JOHNS PASS DREDGING PROJECT
MADEIRA BEACH, FL
CROSS SECTION

Aptim Environmental & Infrastructure, LLC

PH (904) 391-4102
FAX (904) 391-4116
C.O.A. FL #9317
C.O.A. LA #2531

1401 CONGRESS AVENUE, SUITE 140
ROCK HAVEN, FLORIDA 33487
www.aptim.com

DATE:

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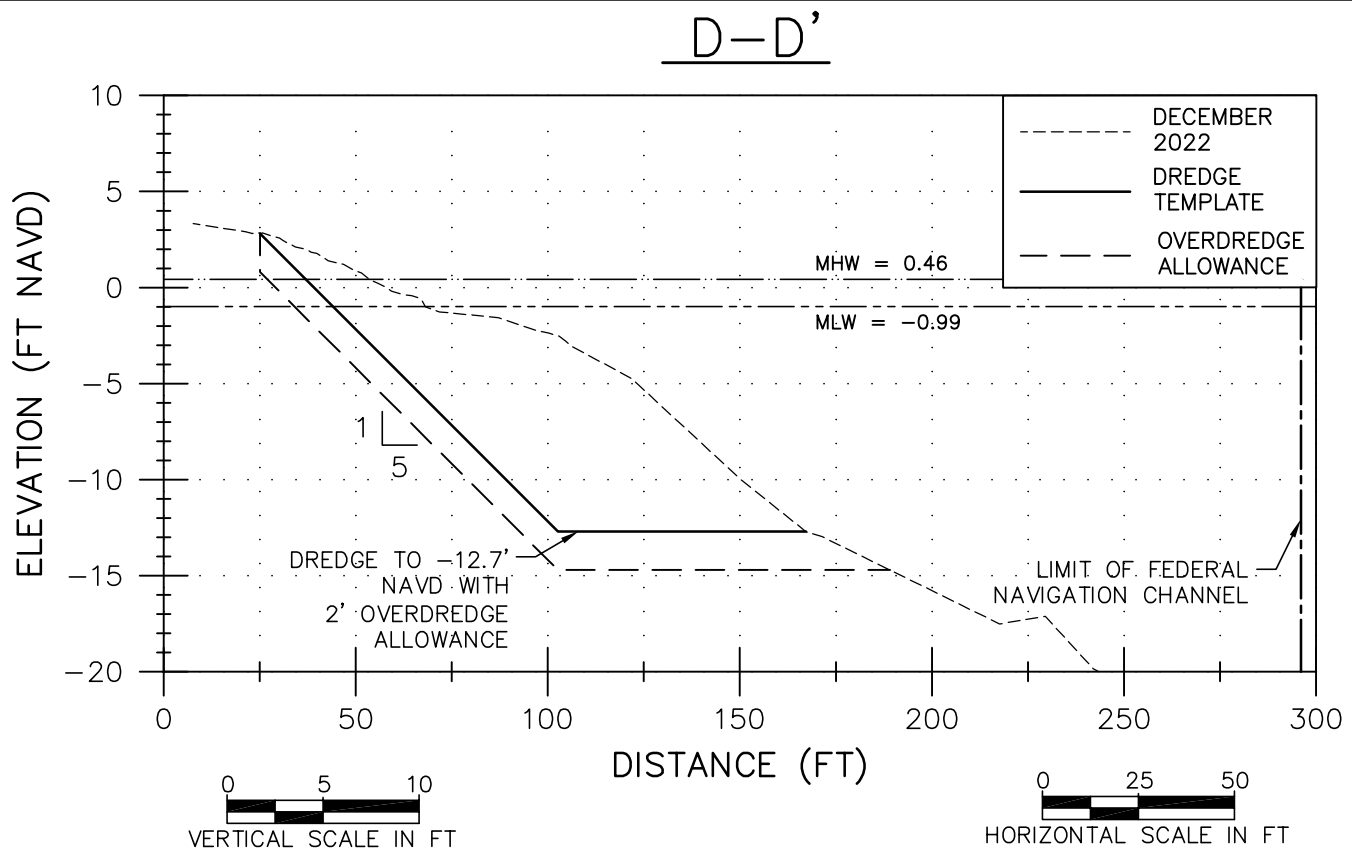
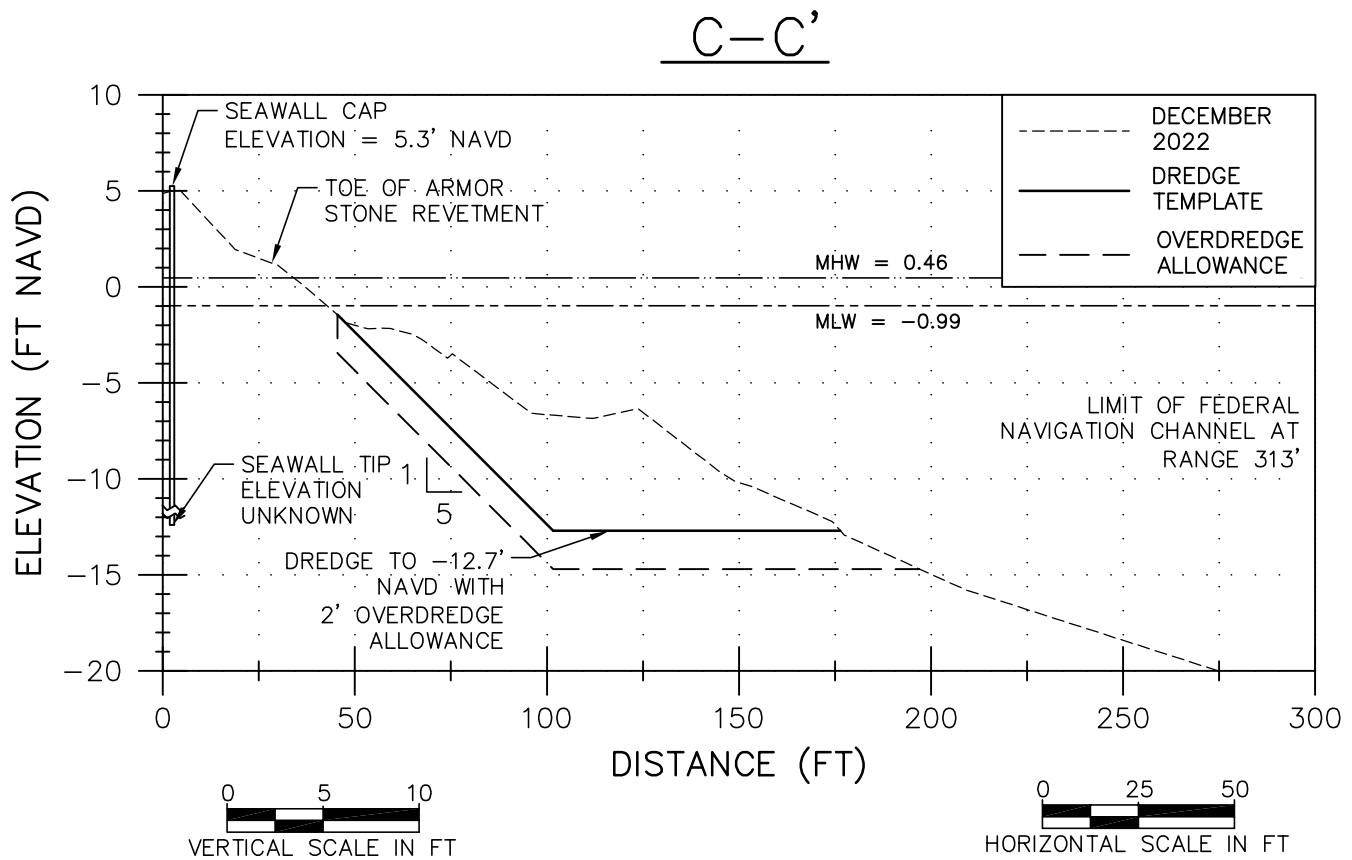
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MADEIRA BEACH, FL
CROSS SECTION

Aptim Environmental & Infrastructure, LLC

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C.O.A. FL #9317
www.aptim.com

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ROCK HAVEN, FLORIDA 33487

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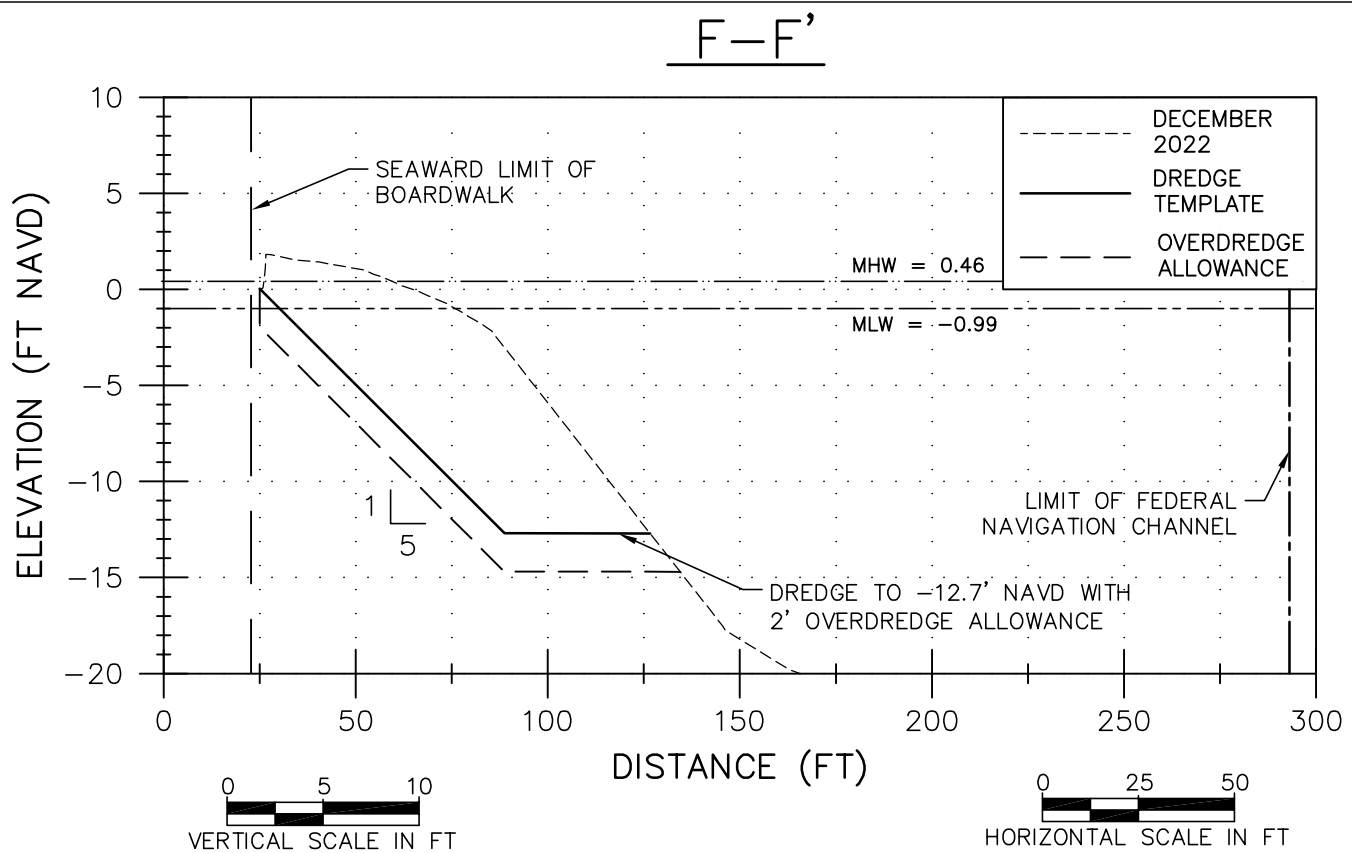
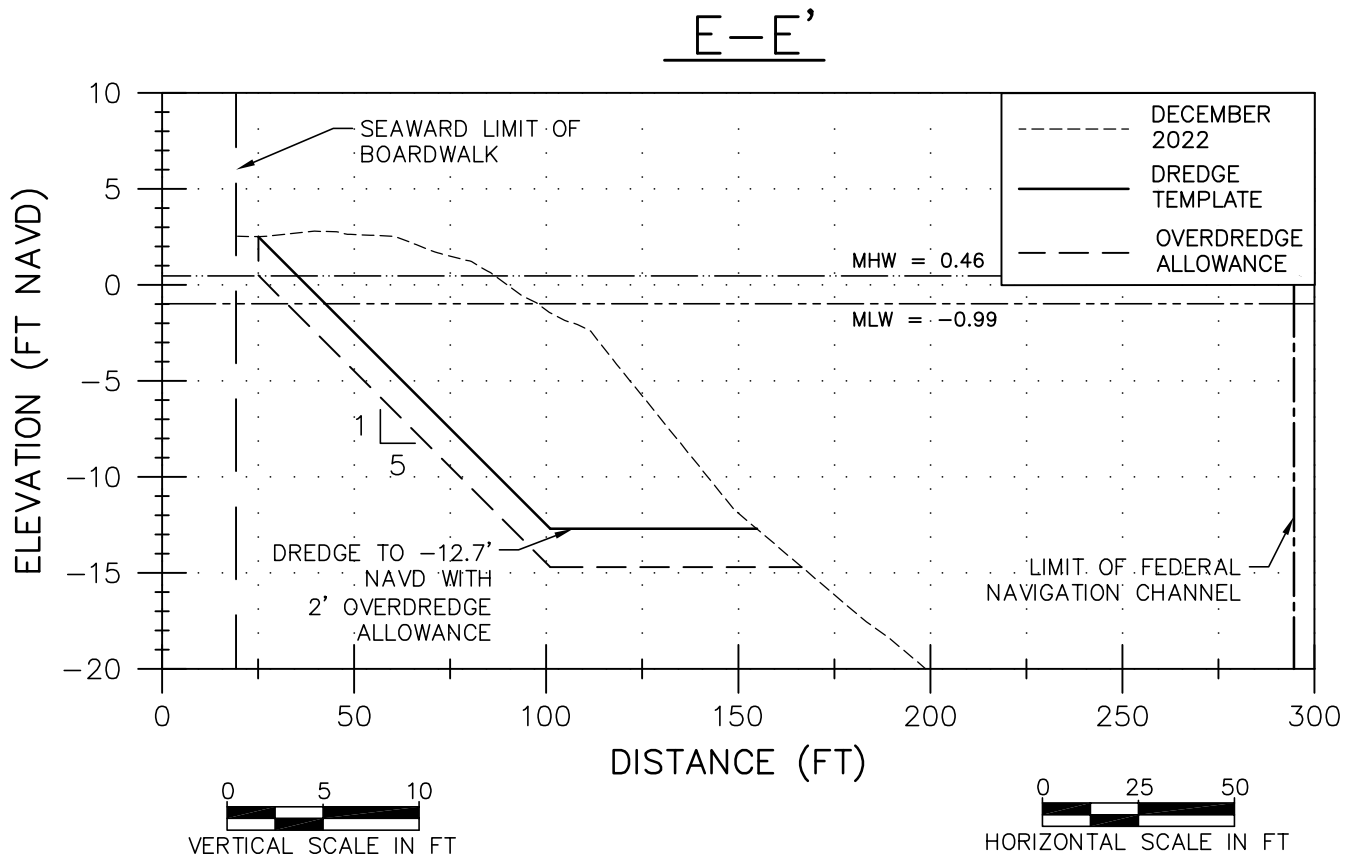
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JOHNS PASS DREDGING PROJECT
MADEIRA BEACH, FL
CROSS SECTION

Aptim Environmental & Infrastructure, LLC

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FAX (850) 391-4116
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			SHEET:
			DE-1

HEAVY EQUIPMENT STORAGE AREA

STAGING AREA

CHAIN LINK FENCE

DEWATERING BASIN

GEOTUBES

CLOSED DIKE (TYP.)

FLOCCULENT INJECTION

DREDGE PIPE

DREDGED MATERIAL PUMPED INTO DEWATERING BASIN

INSTALL TURBIDITY CURTAIN BETWEEN RETURN WATER PIPE AND JOHNS PASS

CLARIFIED RETURN WATER INTO JOHNS PASS VIA WEIR BOX AND PIPE ADJACENT TO EXTERIOR DIKE

CONSTRUCTION ACCESS AND PIPELINE CORRIDOR

GRAPHIC SCALE IN FT

0 25 50

4.31

11.91

5.32

5.22

4.16

5.04

BY:	10/18/24	DATE:	Aptim Environmental & Infrastructure, LLC	
			6401 CONGRESS AVENUE, SUITE 140 BOCA RATON, FLORIDA 33487 www.aptim.com	PH. (561) 391-8102 FAX (561) 391-9116 C.O.A. FL. #9317 C.O.A. LA. #2531

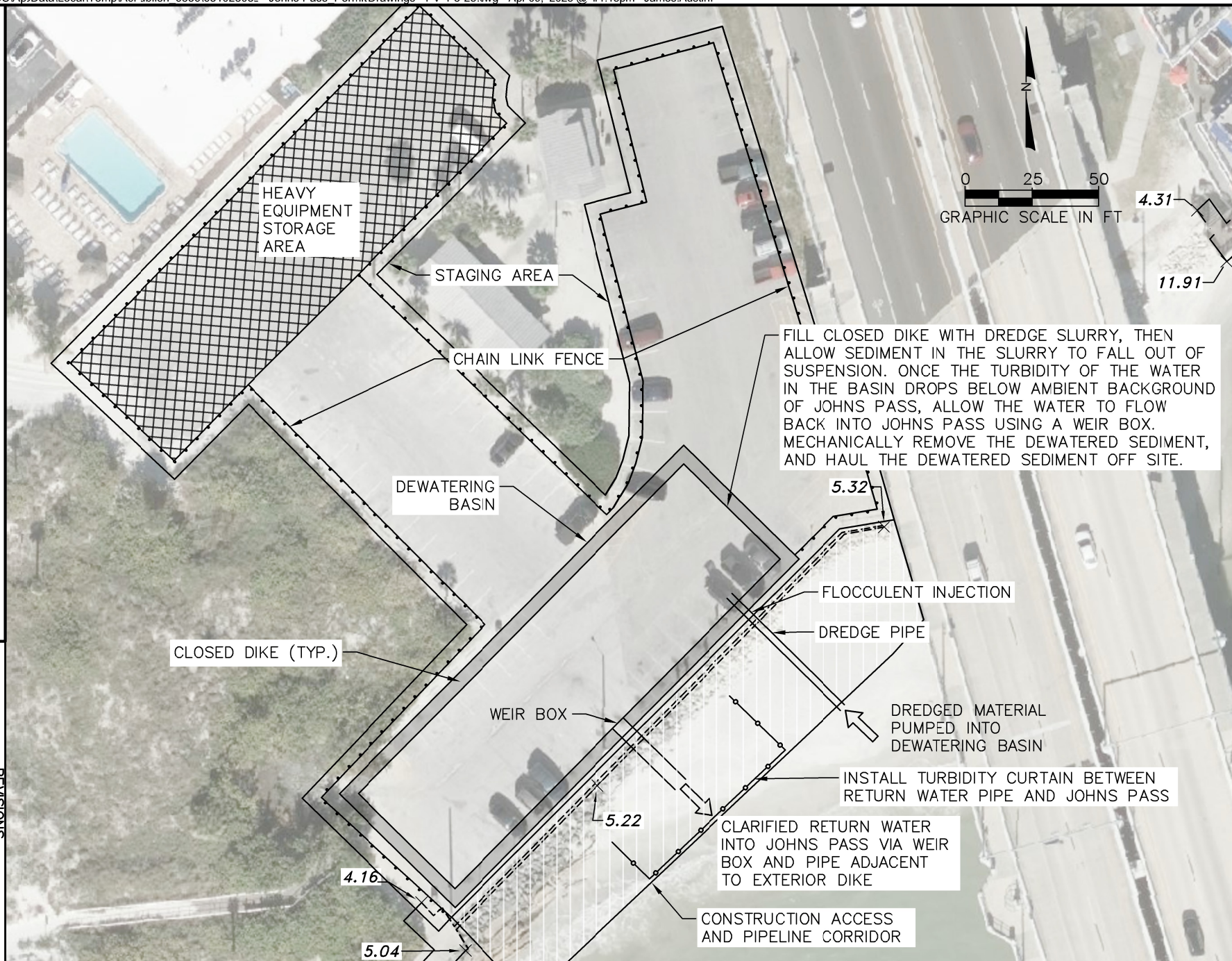
**JOHNS PASS DREDGING PROJECT
MADEIRA BEACH, FL
DEWATERING PLAN VIEW ALTERNATIVE #1**

JAMES E. AUSTIN, P.E. NO. 97652

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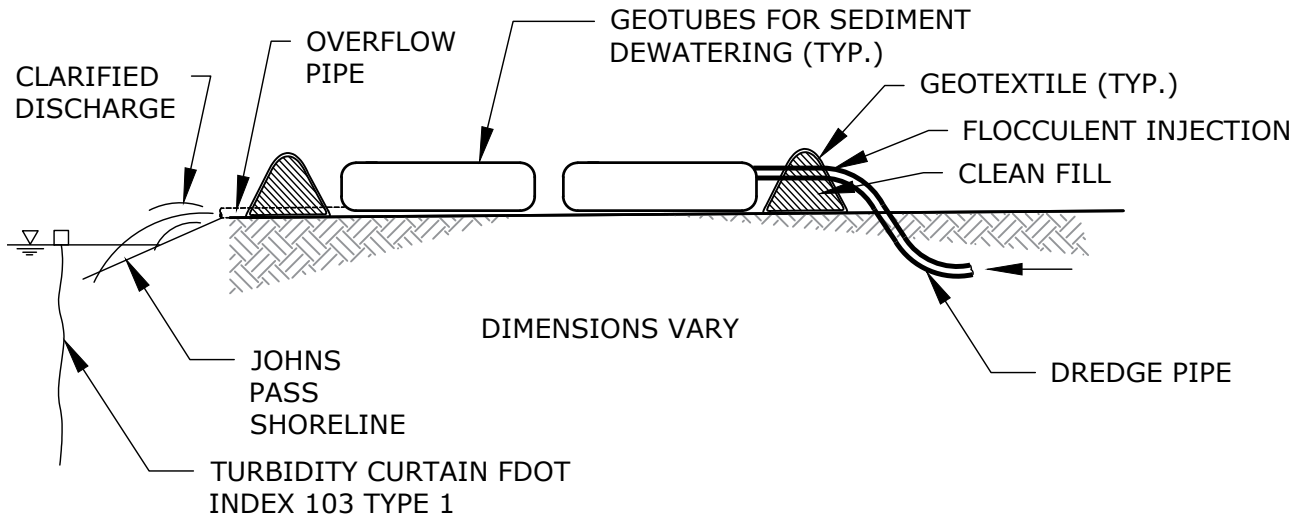
Aptim Environmental & Infrastructure, LLC

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BOCA RATON, FLORIDA 33487
www.aptim.com

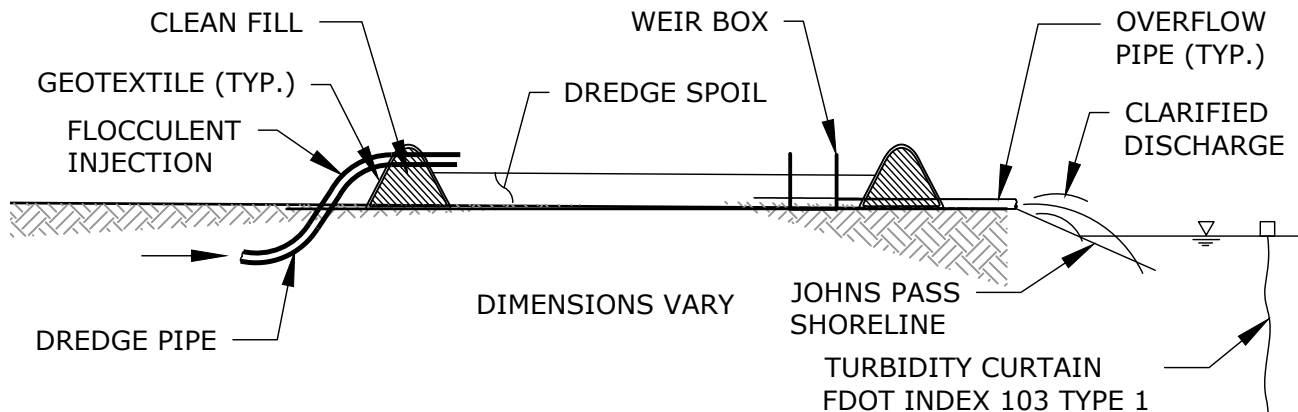
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FAX (561) 391-9116
C.O.A. FL. #9317
C.O.A. LA. #2531

**JOHNS PASS DREDGING PROJECT
MADEIRA BEACH, FL
DEWATERING PLAN VIEW ALTERNATIVE #2**

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GEOTUBE DEWATERING ALTERNATIVE 1 DETAIL



DEWATERING BASIN ALTERNATIVE 2 DETAIL



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DATE	BY	DESCRIPTION			

JOHNS PASS DREDGING PROJECT
MADEIRA BEACH, FL
DEWATERING DETAILS

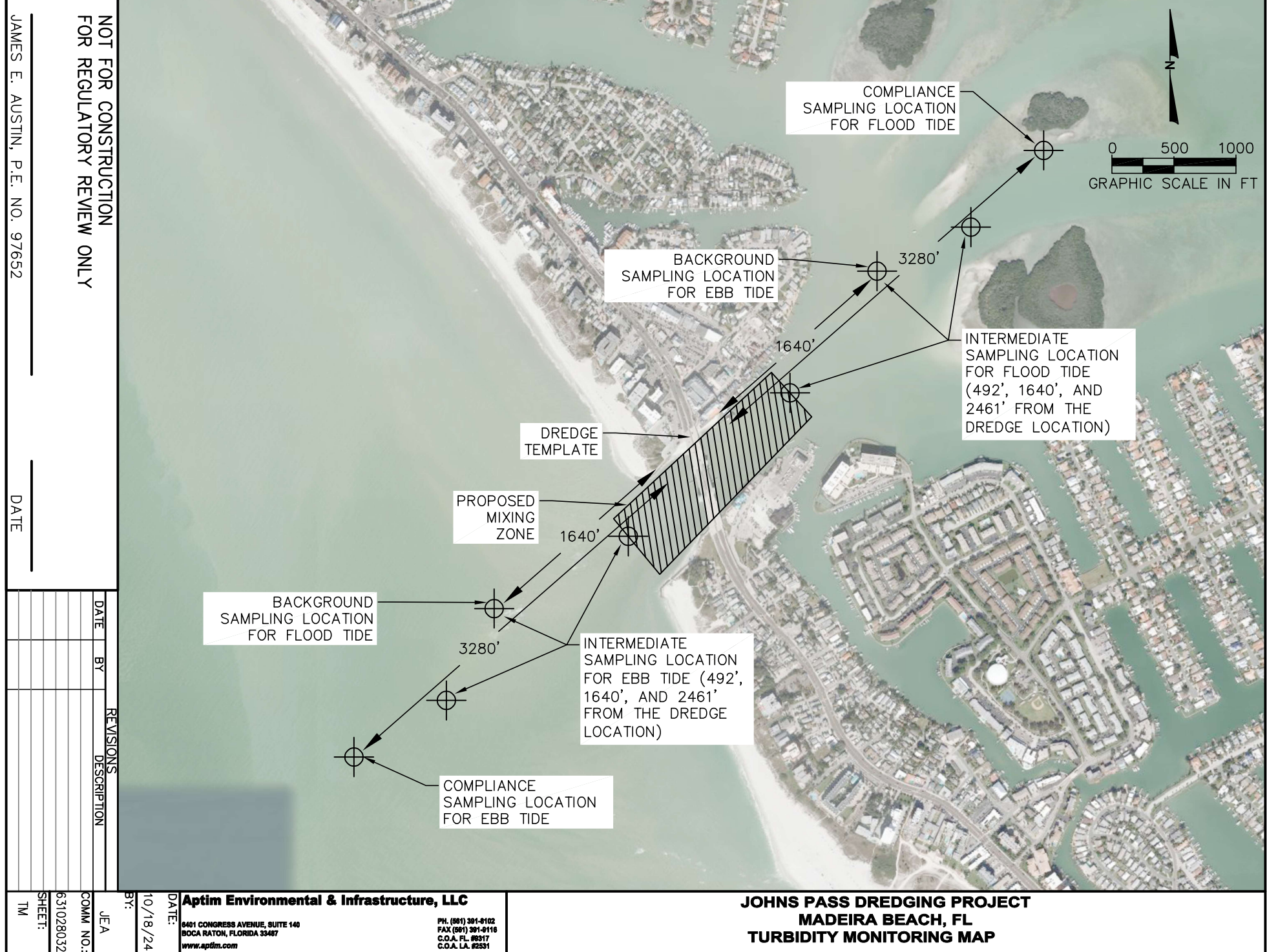
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PH: (951) 391-8102
FAX: (951) 391-8116
C.O.A. FL #9317
BOCA RATON, FLORIDA 33487
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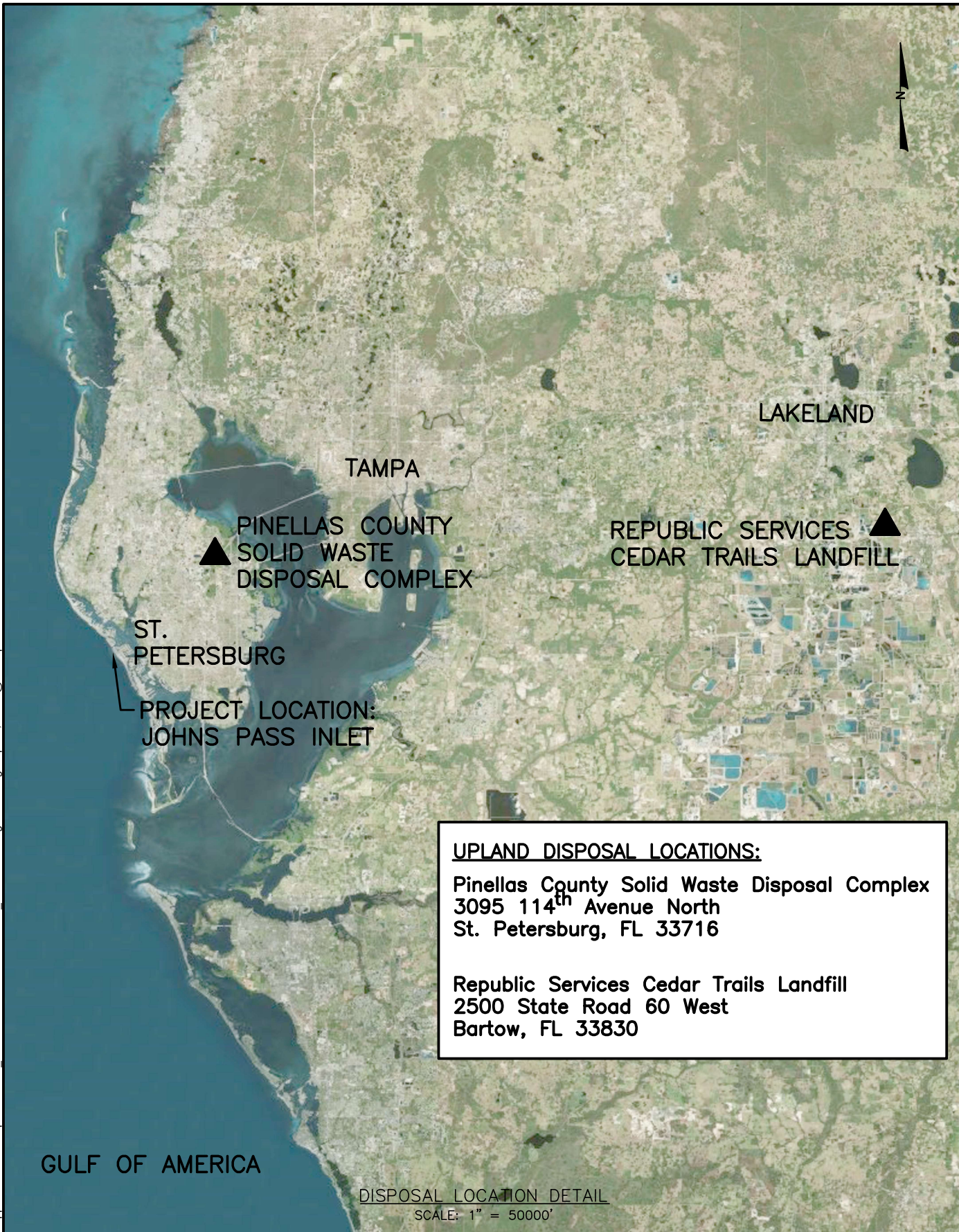
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C.O.A. LA. #2531

**JOHNS PASS DREDGING PROJECT
MADEIRA BEACH, FL
TURBIDITY MONITORING MAP**

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UPLAND DISPOSAL LOCATIONS:

Pinellas County Solid Waste Disposal Complex
3095 114th Avenue North
St. Petersburg, FL 33716

Republic Services Cedar Trails Landfill
2500 State Road 60 West
Bartow, FL 33830

DISPOSAL LOCATION DETAIL

SCALE: 1" = 50000'

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JAMES E. AUSTIN, P.E. NO. 97652

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**JOHNS PASS DREDGING PROJECT
MADEIRA BEACH, FL
DISPOSAL LOCATIONS**

Aptim Environmental & Infrastructure, LLC

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FAX: (881) 391-4116
C.O.A. FL #0017
C.O.A. LA #251

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BOCA RATON, FLORIDA 33487
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