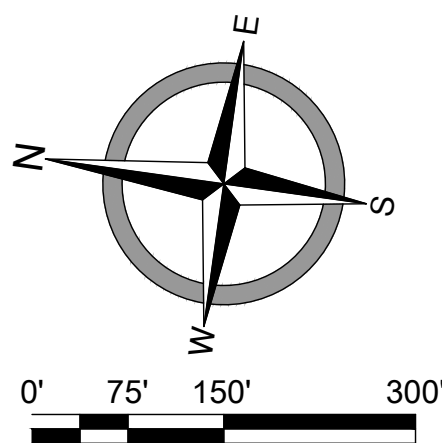




HORIZONTAL SCALE: 1" = 150'

- LEGEND:
- APX APPROXIMATE
 - CL CENTERLINE
 - LB LICENSED BUSINESS
 - PSM PROFESSIONAL SURVEYOR AND MAPPER
 - MLW MEAN LOW WATER
 - NAVD-88 NORTH AMERICAN VERTICAL DATUM OF 1988
 - MLLW MEAN LOWER LOW WATER
 - TYP TYPICAL

NOTICE: UNDERGROUND AND SUBAQUEOUS IMPROVEMENTS WERE NOT LOCATED AS PART OF THIS SURVEY



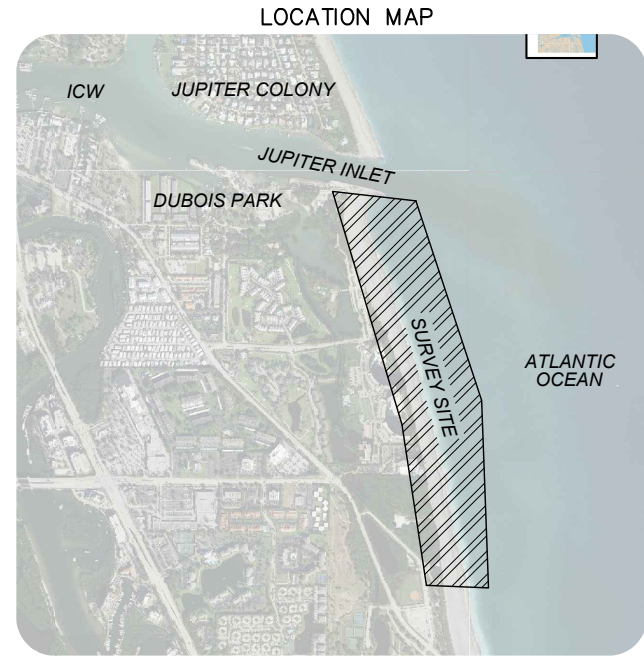
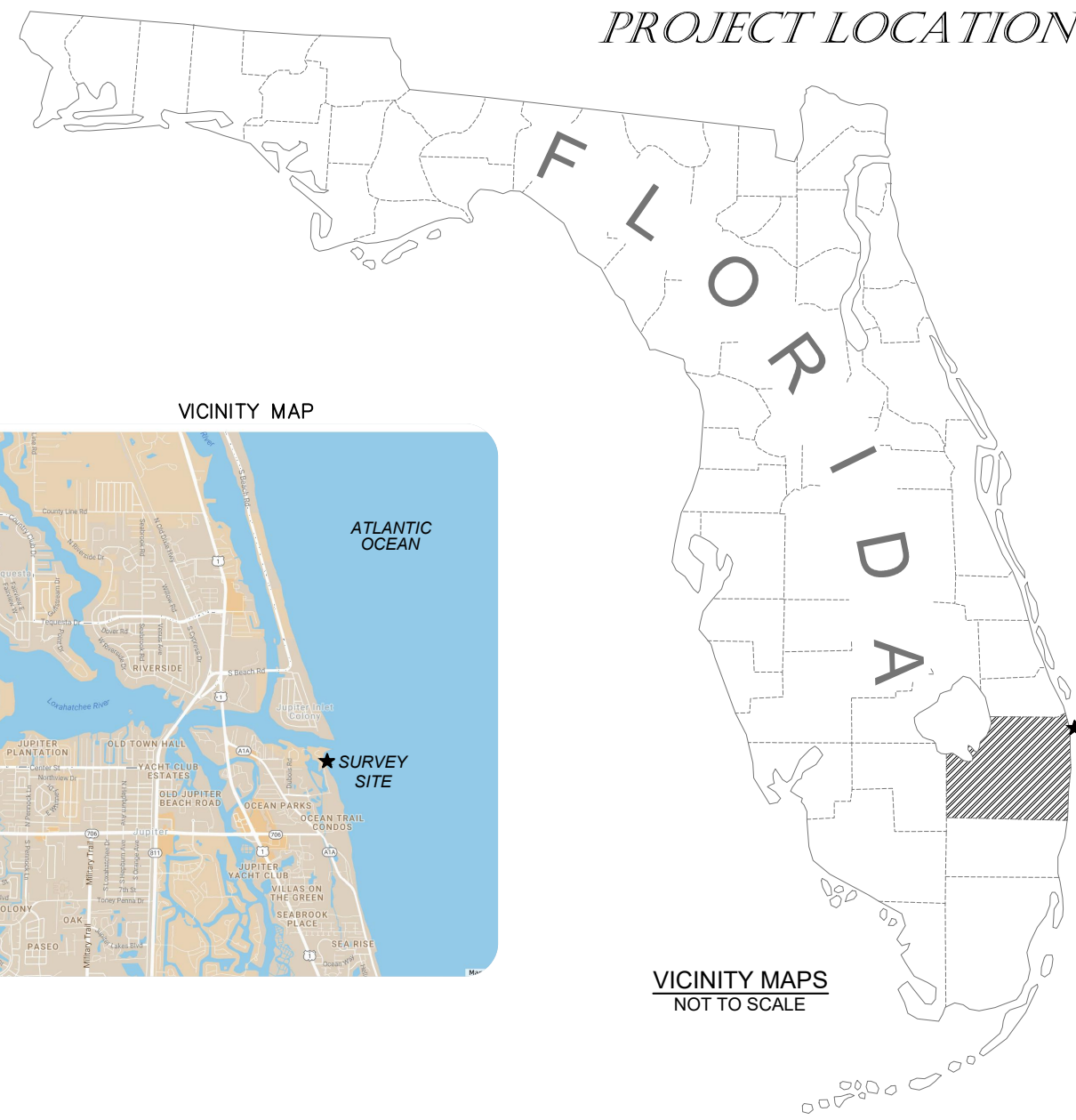
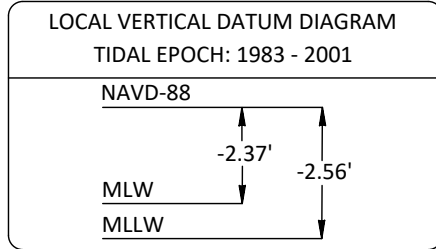
- SURVEY NOTES:
- THIS IS A BATHYMETRIC & TOPOGRAPHIC SURVEY AS DEFINED IN THE STANDARDS OF PRACTICE FOR SURVEYING AND MAPPING IN CHAPTER 51-17 FLORIDA ADMINISTRATIVE CODE.
 - THIS SURVEY WAS CONDUCTED ON MARCH 14, 2024.
 - REFER TO SURVEY NO. 23-1781.
 - THIS SURVEY IS CERTIFIED TO AHTNA MARINE & CONSTRUCTION COMPANY.
 - THIS SURVEY IS INTENDED EXCLUSIVELY FOR THE USE BY THOSE TO WHOM IT IS CERTIFIED. IT IS NOT TO BE USED BY OTHERS FOR CONSTRUCTION, PERMITTING, DESIGN OR ANY OTHER USE WITHOUT THE WRITTEN CONSENT OF TERRAQUATIC, INC.
 - THIS SURVEY, AND ANY REPRODUCTION THEREOF, IS NOT VALID WITHOUT AN ORIGINAL OR VERIFIED DIGITAL SIGNATURE AND SEAL OF A FLORIDA REGISTERED SURVEYOR. ADDITIONALLY, THIS SURVEY IS NOT VALID IF PRINTED BEARING A DIGITAL SIGNATURE AND SEAL.
 - THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1 INCH = 150 FEET OR SMALLER.
 - UNDERGROUND UTILITIES WERE NOT LOCATED AS PART OF THIS SURVEY.
 - GEOGRAPHIC AND PLANE COORDINATES SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICA DATUM OF 1983, 1990 ADJUSTMENT (NAD 83/90), FLORIDA STATE PLANE, EAST ZONE (0901), TRANSVERSE MERCATOR PROJECTION IN THE U.S. SURVEY FOOT UNIT OF MEASUREMENT.
 - HORIZONTAL AND VERTICAL POSITIONS WERE OBTAINED USING REAL TIME KINEMATIC GPS METHODOLOGIES WITH BROADCAST CORRECTIONS FROM A CONVENTIONAL BASE STATION UTILIZING THE PLAN CONTROL.
 - THE SPECIFIC PURPOSE OF THIS SURVEY IS TO SHOW THE PRE-PLACEMENT CONDITIONS OF A PORTION OF BEACH ALONG THE COASTLINE OF JUPITER, FLORIDA PRIOR TO CONTRACTED DREDGE PROJECT.
 - BATHYMETRIC DATA WERE COLLECTED UTILIZING AN ODOM CV100 SURVEY GRADE SOUNDER WITH A 200KHZ NARROW BEAM (3 DEGREE) TRANSDUCER.
 - HYDROGRAPHIC DATA ARE IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988.
 - DEPTHS SHOWN HEREON ARE BELOW THE REFERENCE PLANE UNLESS PRECEDED BY A PLUS (+).
 - 100 FOOT CROSS SECTIONS INTERPOLATED FROM DATA COLLECTED ALONG R-MONUMENT AZIMUTH LINES.
 - ALL VOLUME CALCULATIONS PERFORMED BY TIN TO TIN MODEL COMPARISON USING AUTODESK CIVIL 3D 2024 SOFTWARE.

CERTIFICATION:

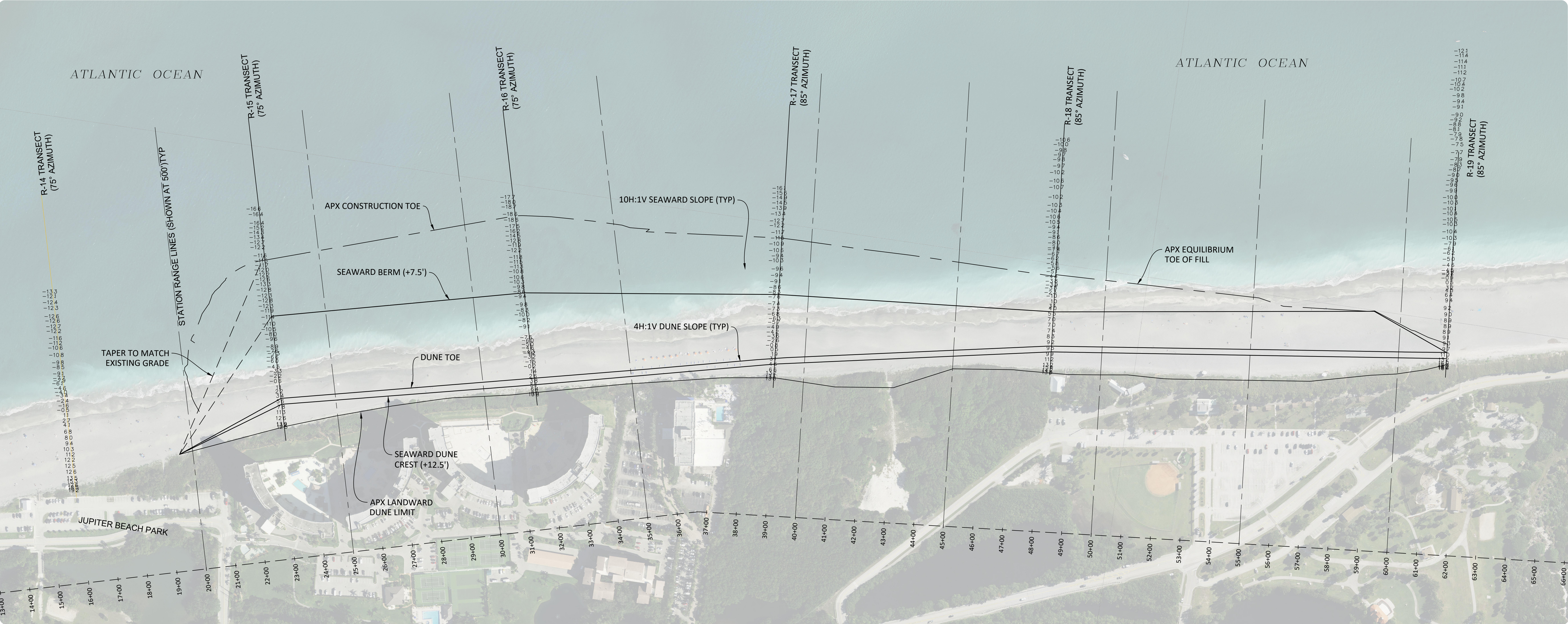
I HEREBY CERTIFY THAT THE ATTACHED BATHYMETRIC & TOPOGRAPHIC SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED UNDER MY DIRECTION ON MARCH 14, 2024. I FURTHER CERTIFY THAT THIS SPECIFIC PURPOSE SURVEY MEETS THE STANDARDS OF PRACTICE AS SET FORTH IN CHAPTER 51-17 ADOPTED BY THE FLORIDA BOARD OF SURVEYORS AND MAPPERS PURSUANT TO FLORIDA STATUTE 472.027.

SHEET INDEX	
No.	DESCRIPTION
1	COVER / PLAN VIEW
2	CROSS SECTIONS
3	CROSS SECTIONS
4	CROSS SECTIONS
5	CROSS SECTIONS
6	CROSS SECTIONS
7	CROSS SECTIONS
8	CROSS SECTIONS

BATHYMETRIC DATA ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988 AND REFERENCED TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION TIDE STATION NUMBER 872-2495. CONTOURS ARE AT 1' INTERVALS.



VICINITY MAPS NOT TO SCALE



PREPARED FOR:

Ahtna
Marine & Construction Co.
444 W. BOYNTON BEACH BLVD. #E
BOYNTON BEACH, FL 33435

TERRAQUATIC
SURVEYING AND MAPPING

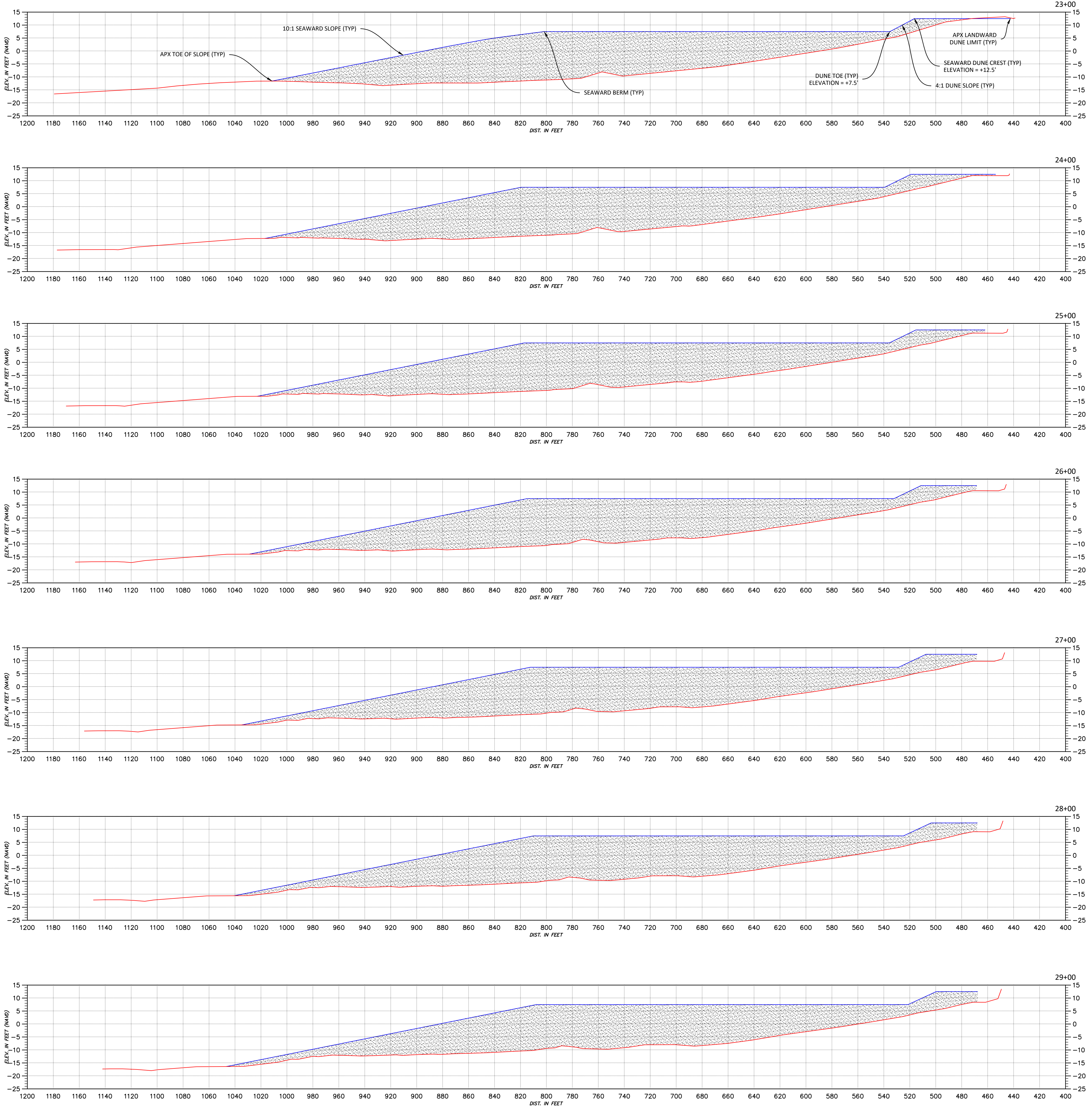
TERRAQUATIC, INC. - PHONE: (561) 806-6085
1220 TANGELO TERR, UNIT A12 - DELRAY BEACH, FLORIDA 33444

CERTIFICATION:

JOSHUA LEE, PSM
FLORIDA REGISTRATION LS7322 - CERTIFICATE OF AUTHORIZATION NO. 7324

JUPITER INLET
SANDTRAP MAINTENANCE DREDGING & BEACH CONSTRUCTION
BEACH FILL PRE-SURVEY - MARCH 14, 2024
JUPITER - PALM BEACH COUNTY, FLORIDA

DRAWN BY: JRL	PROCESSED BY: BL	SHEET 1 of 4
JOB No.: 23-1781	DATE: 3/16/24	
REV	DESCRIPTION	DATE



1 HORIZONTAL = 2 VERTICAL

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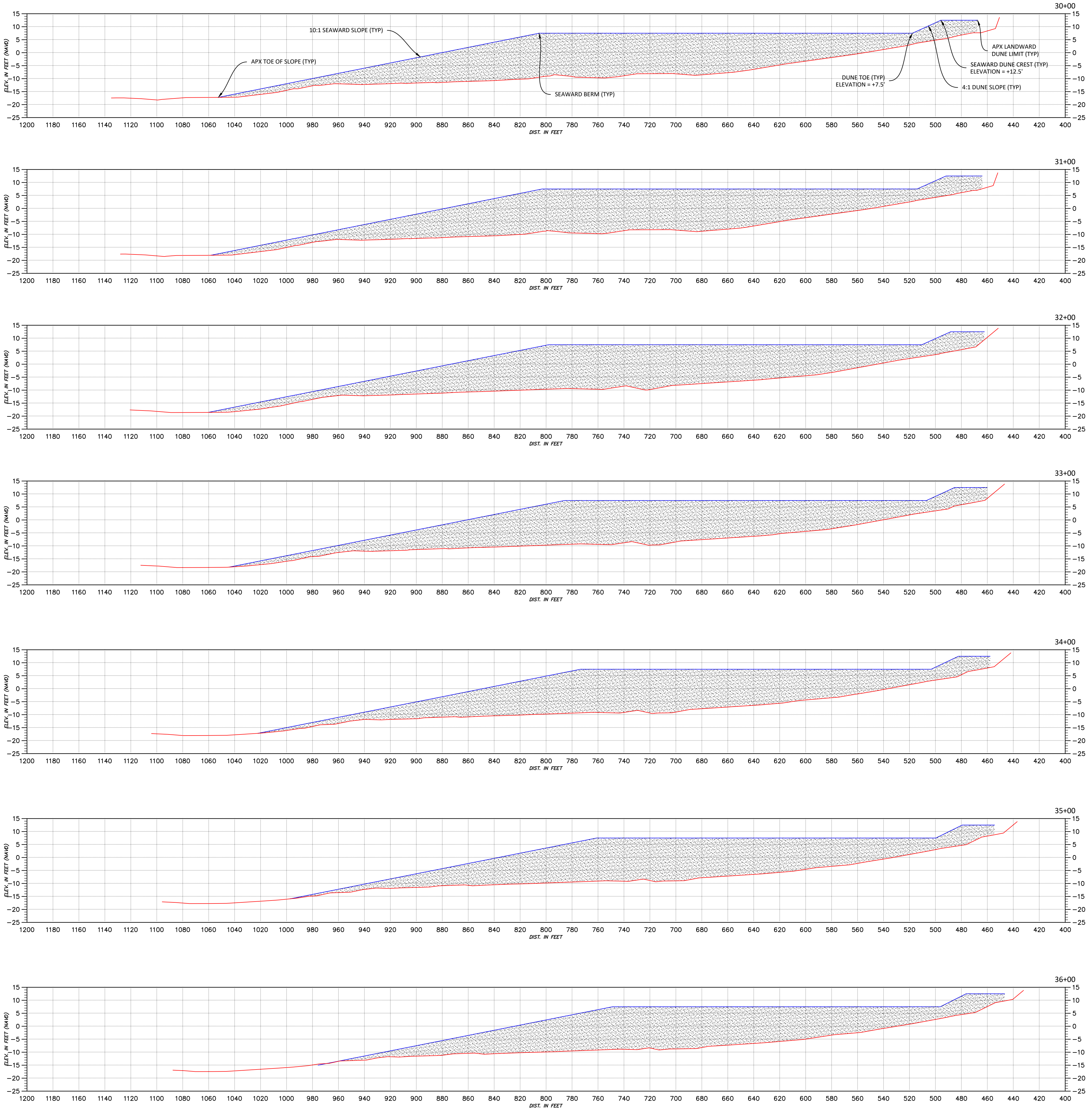


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REV	DESCRIPTION	DATE

SHEET
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of 8



1 HORIZONTAL = 2 VERTICAL

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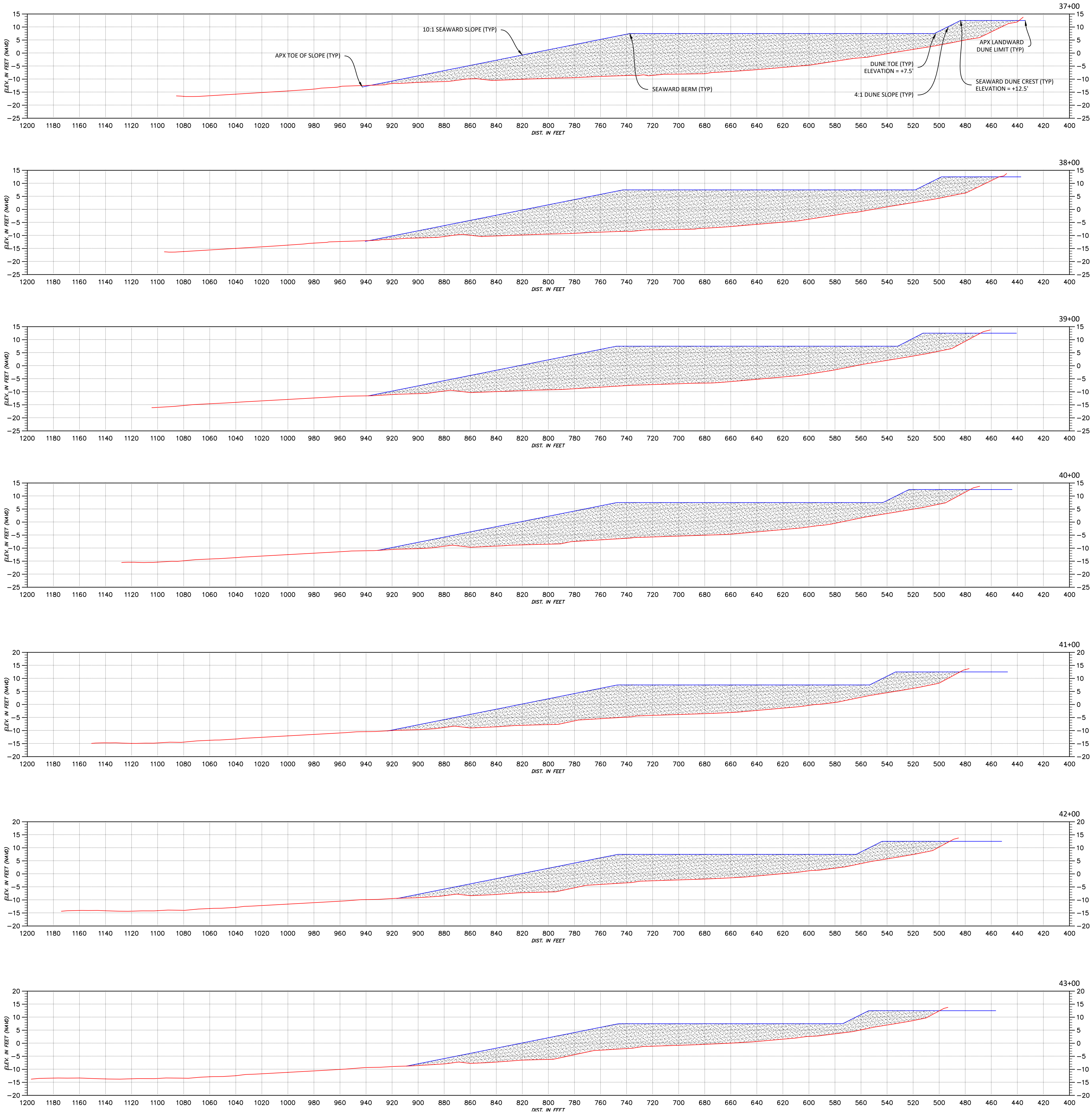
TERRAQUATIC, INC. - PHONE: (561) 806-6085
1220 TANGELO TERR, UNIT A12 - DELRAY BEACH, FLORIDA 33444

JUPITER INLET
SANDTRAP MAINTENANCE DREDGING & BEACH CONSTRUCTION
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JUPITER - PALM BEACH COUNTY, FLORIDA

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SHEET

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of 8



1 HORIZONTAL = 2 VERTICAL

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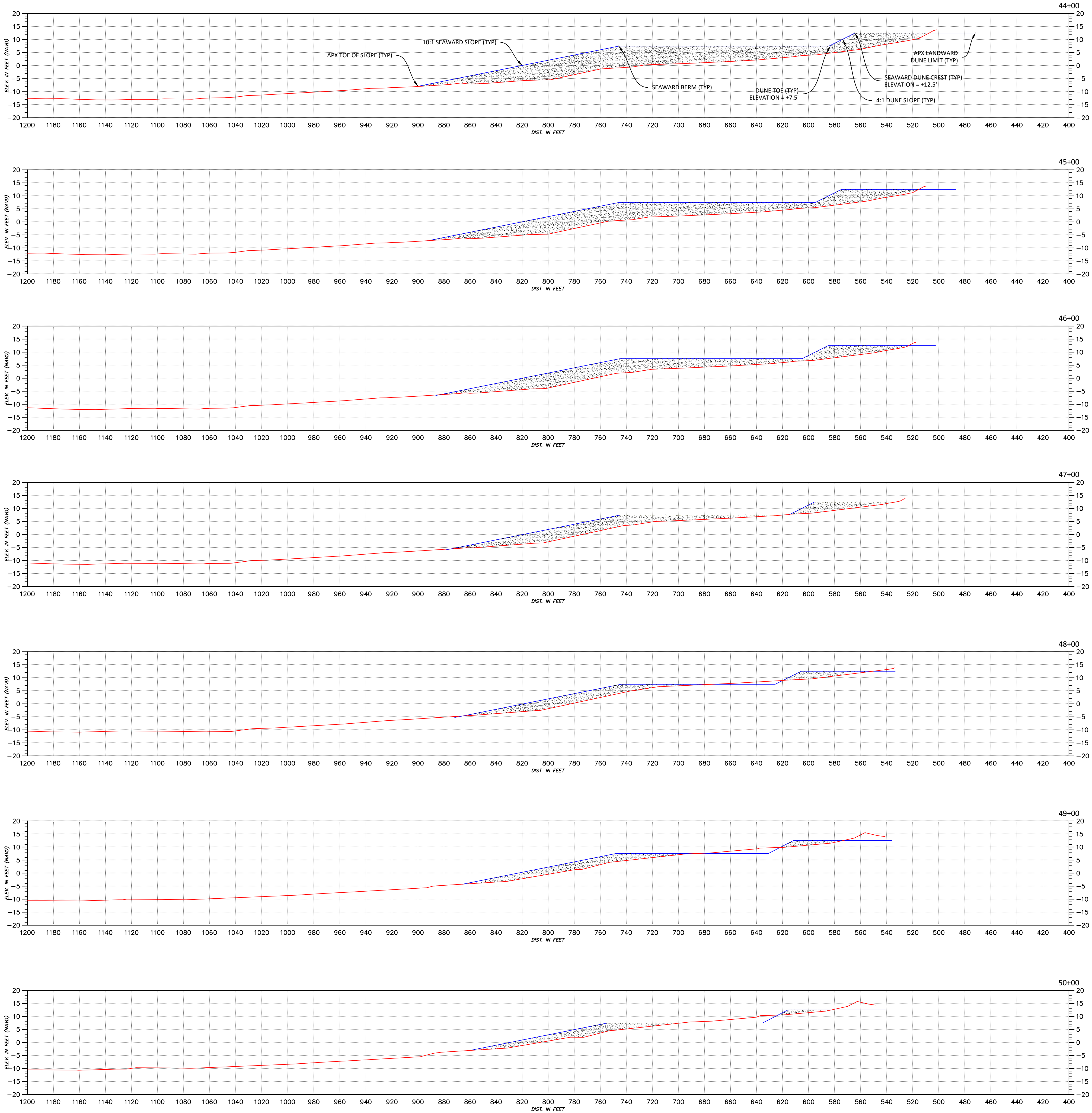
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JUPITER - PALM BEACH COUNTY, FLORIDA

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REV	DESCRIPTION	DATE

SHEET
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1 HORIZONTAL = 2 VERTICAL

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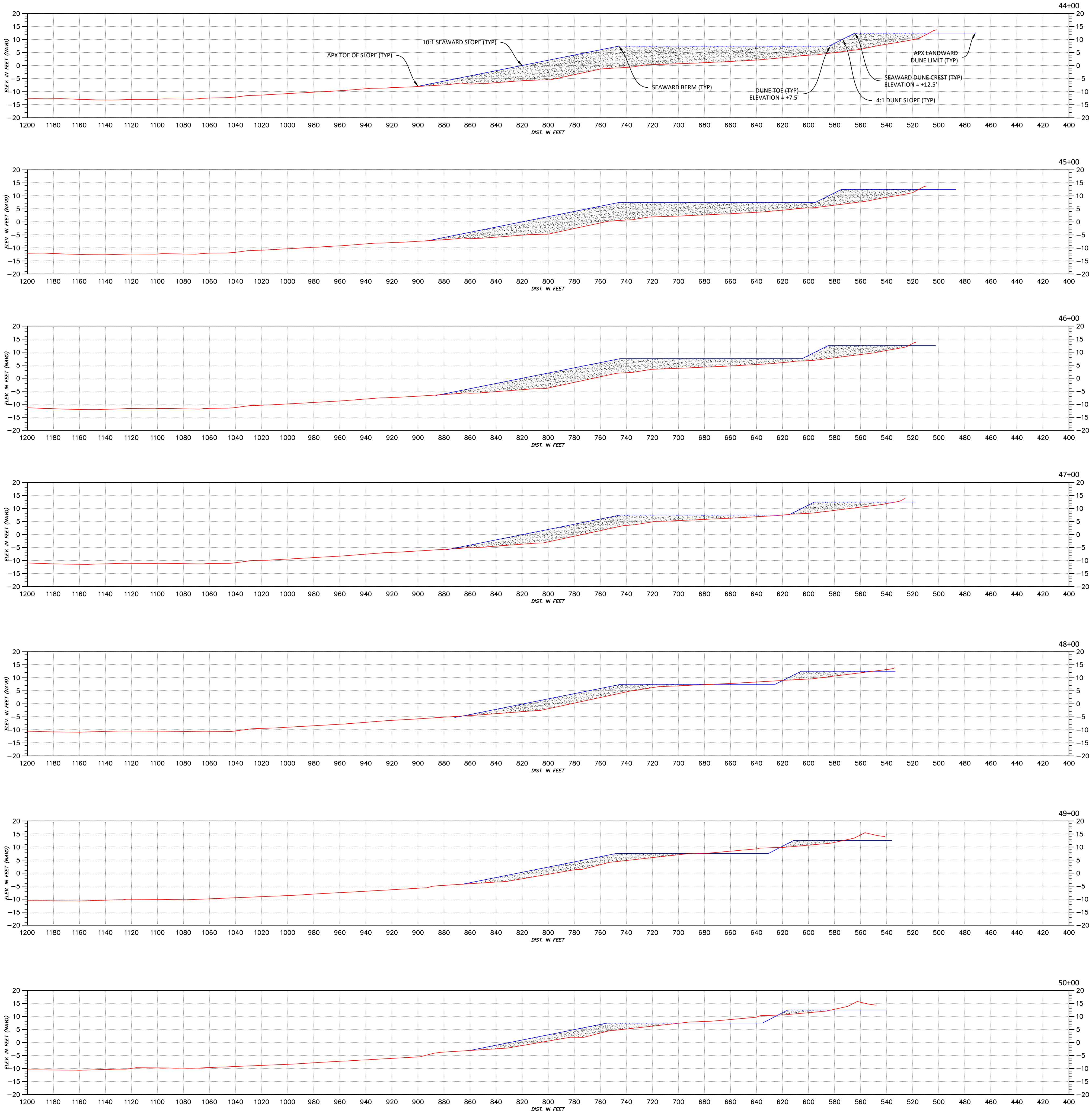


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JUPITER INLET
SANDTRAP MAINTENANCE DREDGING & BEACH CONSTRUCTION
CROSS SECTIONS: 44+00 - 50+00
JUPITER - PALM BEACH COUNTY, FLORIDA

DRAWN BY: JRL		CHECKED BY: BL
JOB No.: 23-1781		DATE: 3/16/24
REV	DESCRIPTION	DATE

SHEET
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of 8



1 HORIZONTAL = 2 VERTICAL

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BOYNTON BEACH, FL 33435



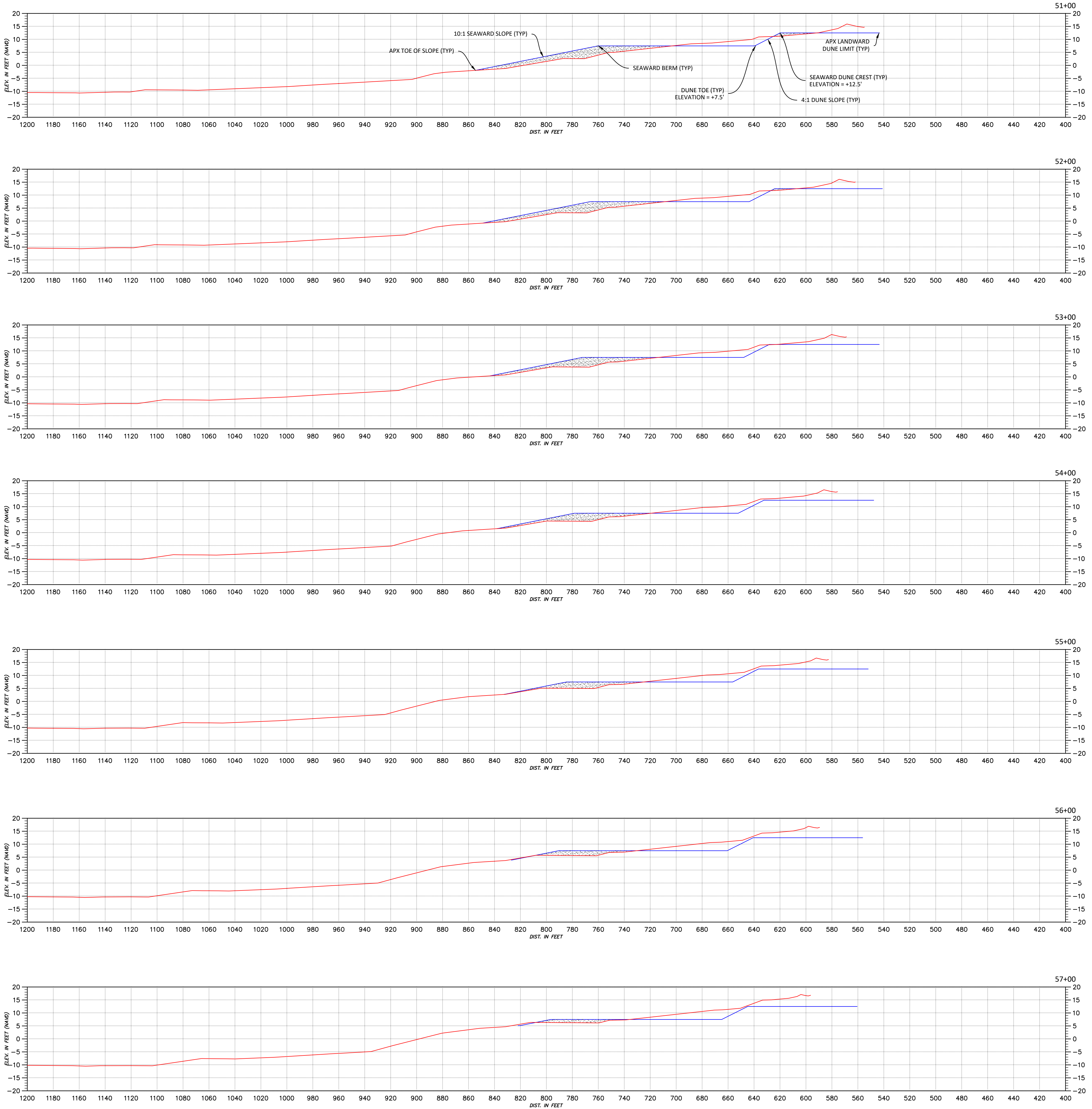
TERRAQUATIC, INC. - PHONE: (561) 806-6085
1220 TANGELO TERR, UNIT A12 - DELRAY BEACH, FLORIDA 33444

JUPITER INLET
SANDTRAP MAINTENANCE DREDGING & BEACH CONSTRUCTION
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JOB No.: 23-1781		DATE: 3/16/24
REV	DESCRIPTION	DATE

SHEET

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of 8



1 HORIZONTAL = 2 VERTICAL

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444 W. BOYNTON BEACH BLVD. #E
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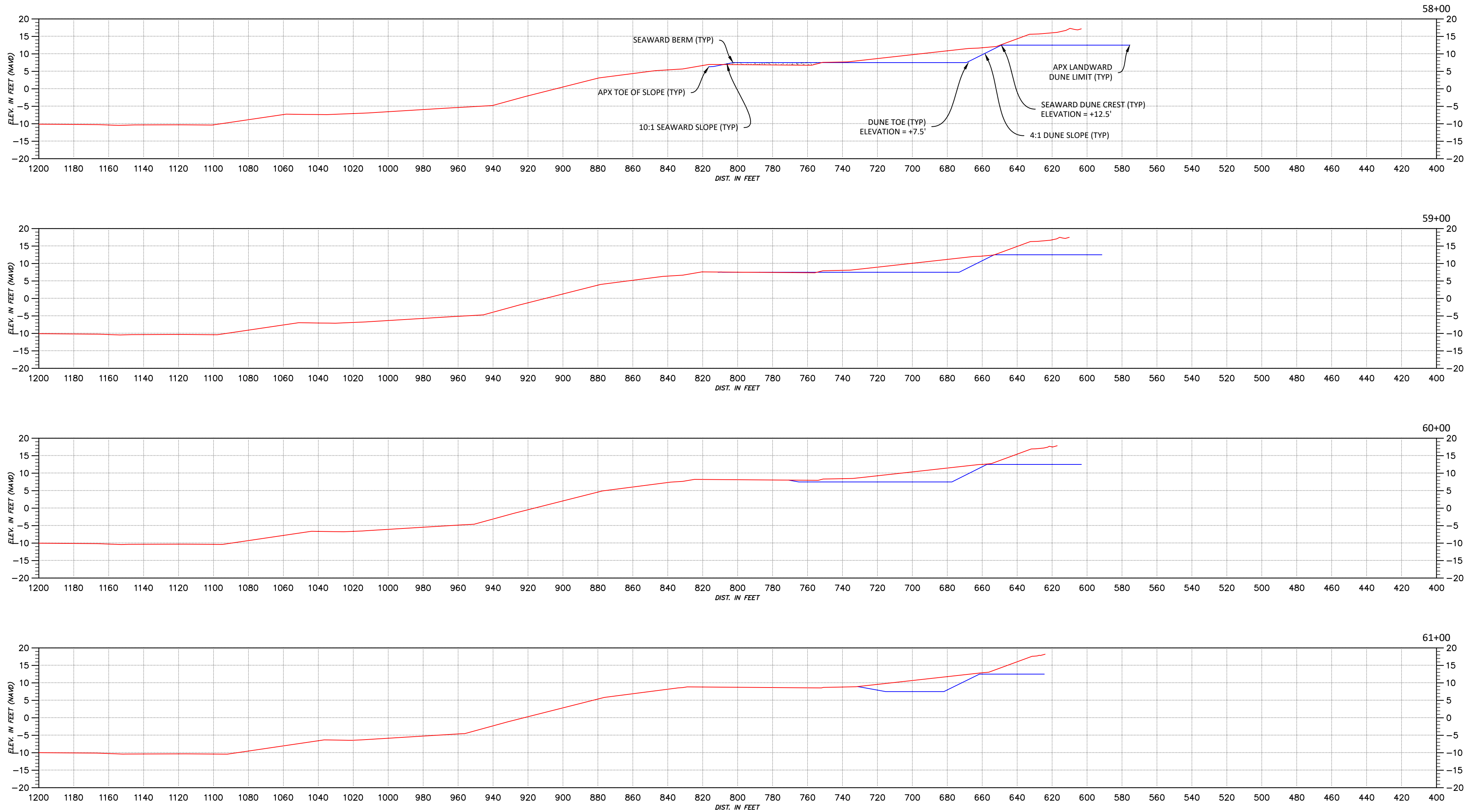
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SANDTRAP MAINTENANCE DREDGING & BEACH CONSTRUCTION
CROSS SECTIONS: 51+00 - 57+00
JUPITER - PALM BEACH COUNTY, FLORIDA

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REV	DESCRIPTION	DATE

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Station	Area	Volume	Cumulative Volume
21+00.00	1685.95	3122.13	3122.13
22+00.00	4028.24	10581.83	13703.97
23+00.00	5709.6	18033.03	31737
24+00.00	5864.73	21433.94	53170.93
25+00.00	5879.18	21747.99	74918.92
26+00.00	5888.4	21791.83	96710.75
27+00.00	5909.24	21847.48	118558.24
28+00.00	5933.51	21931.02	140489.26
29+00.00	5961.22	22027.29	162516.55
30+00.00	5992.38	22136.31	184652.85
31+00.00	6043.52	22288.7	206941.55
32+00.00	6026.29	22351.5	229293.04
33+00.00	5767.65	21840.64	251133.68
34+00.00	5517.6	20898.62	272032.31
35+00.00	5290.45	20014.91	292047.22
36+00.00	5097.92	19237.71	311284.92
37+00.00	4707.5	4183.14	350957.59
38+00.00	4533.73	17113.38	368070.97
39+00.00	4352.25	16455.51	384526.48
40+00.00	3857.97	15204.11	399730.59
41+00.00	3374.64	13393.73	413124.32
42+00.00	2909.11	11636.57	424760.89
43+00.00	2460.7	9944.09	434704.99
44+00.00	2029.53	8315.24	443020.23
45+00.00	1616.76	6752.38	449772.61
46+00.00	1222.72	5258.29	455030.89
47+00.00	848.16	3834.95	458865.84
48+00.00	530.59	2553.25	461419.09
49+00.00	429.35	1777.68	463196.77
50+00.00	364.09	1469.34	464666.12
51+00.00	303.38	1236.07	465902.18
52+00.00	249.09	1023.1	466925.29
53+00.00	202.67	836.59	467761.88
54+00.00	164.09	679.19	468441.07
55+00.00	126.93	538.93	468980
56+00.00	93.59	408.37	469388.36
57+00.00	63.89	291.62	469679.99
58+00.00	33.2	179.79	469859.78
59+00.00	2.8	66.68	469926.46
60+00.00	0	5.19	469931.65
61+00.00	0	0	469931.65

1 HORIZONTAL = 2 VERTICAL

PREPARED FOR:

Ahtna
Marine & Construction Co.
444 W. BOYNTON BEACH BLVD. #E
BOYNTON BEACH, FL 33435



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JUPITER INLET
SANDTRAP MAINTENANCE DREDGING & BEACH CONSTRUCTION
CROSS SECTIONS: 58+00 - 60+00
JUPITER - PALM BEACH COUNTY, FLORIDA

DRAWN BY: JRL		CHECKED BY: BL
JOB No.: 23-1781		DATE: 3/16/24
REV	DESCRIPTION	DATE

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