

PUBLISHED TIDAL INFORMATION

TIDAL DATUMS AT PUNTA GORDA, CHARLOTTE COUNTY ARE BASED ON FLORIDA 872 5744 TIDE STATION, PUBLISHED 10-18-2010.
 LENGTH OF SERIES = 8 MONTHS
 TIME PERIOD = 7/1977 - 2/1978
 TIDAL EPOCH = 1983 - 2001
 CONTROL TIDE STATION = 872 5110 NAPLES, GULF OF MEXICO
 ELEVATIONS OF TIDAL DATUMS ARE REFERENCED IN NAVD 1988.
 MEAN HIGH WATER (MHW) = +0.06 FT NAVD
 MEAN TIDE LEVEL (MTL) = -0.57 FT NAVD
 MEAN LOW WATER (MLW) = -1.20 FT NAVD
 MEAN LOWER LOW WATER (MLLW) = -1.65 FT NAVD

NOTES

- BATHYMETRIC SURVEYS COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC., ON 8/27/2019, 12/20/2020, AND 7/22/2022.
- POST-PLAN BATHYMETRIC SURVEY COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC. ON 6/14/2023.
- CHANNEL MARKERS WERE LOCATED BY CEC ON 6/14/2023.
- PERMITTED DREDGE TEMPLATE INCLUDES 0.5' ALLOWABLE OVERDREDGE TOLERANCE.
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).
- ELEVATIONS SHOWN HEREON ARE IN FEET AND TENTHS AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD). REFERENCE BENCHMARKS: S-259, N: 958830.2, E: 642642.9, ELEV. = +6.95' NAVD88 AND T-259, N: 958979.1, E: 645520.5, ELEV. = +3.99' NAVD88.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD.
- SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING MANUAL, 11/30/2013.
- INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
- AERIAL PHOTOGRAPHY OBTAINED FROM THE CHARLOTTE COUNTY GIS DEPARTMENT, DATED 2020.

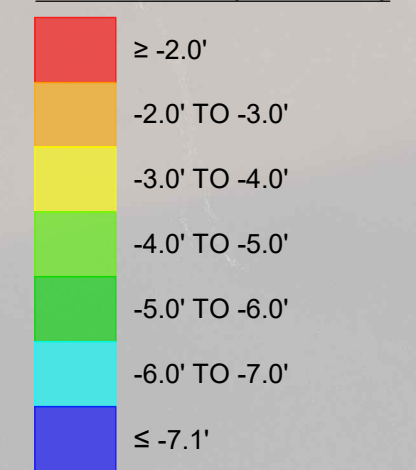


PEACE RIVER

SURVEY BASELINE LINE TABLE

LINE #	LENGTH	DIRECTION	START POINT (N, E)	END POINT (N, E)
L1	100.00'	S47° 49' 01"E	958987.02', 645515.16'	958919.87', 645589.26'
L2	629.17'	S19° 11' 03"E	958919.87', 645589.26'	958325.64', 645796.01'
L3	120.83'	S19° 11' 10"E	958325.64', 645796.01'	958211.52', 645835.72'
L4	1168.28'	S17° 15' 08"E	958211.52', 645835.72'	957095.80', 646182.21'
L5	125.00'	S35° 23' 01"W	957095.80', 646182.21'	956993.89', 646109.83'
L6	325.00'	S67° 25' 33"W	956993.89', 646109.83'	956869.13', 645809.73'
L7	300.00'	S46° 13' 20"W	956869.13', 645809.73'	956661.57', 645593.12'
L8	341.03'	S37° 37' 42"W	956661.57', 645593.12'	956391.48', 645384.91'
L9	1569.85'	S34° 18' 47"W	956391.48', 645384.91'	955094.83', 644499.96'
L10	169.02'	N52° 18' 16"E	958734.43', 646026.62'	958837.78', 646160.36'
L11	368.84'	N89° 22' 15"E	958837.78', 646160.36'	958841.83', 646259.18'
L12	327.75'	S0° 59' 54"E	958841.83', 646259.18'	958514.13', 646534.89'
L13	759.85'	S71° 36' 19"W	958514.13', 646534.89'	958274.35', 645813.86'
L14	443.39'	S89° 57' 40"W	958274.35', 645813.86'	958215.30', 646457.08'
L15	549.41'	S45° 47' 34"W	958215.30', 646457.08'	958831.92', 645619.86'
L16	1021.50'	N73° 35' 48"E	958320.23', 644717.60'	958608.70', 645697.52'
L17	249.02'	S0° 12' 34"W	958608.70', 645697.52'	958444.09', 645138.33'
L18	370.35'	S0° 20' 53"W	958444.09', 645138.33'	958329.12', 644747.80'

ELEVATION (FT NAVD)



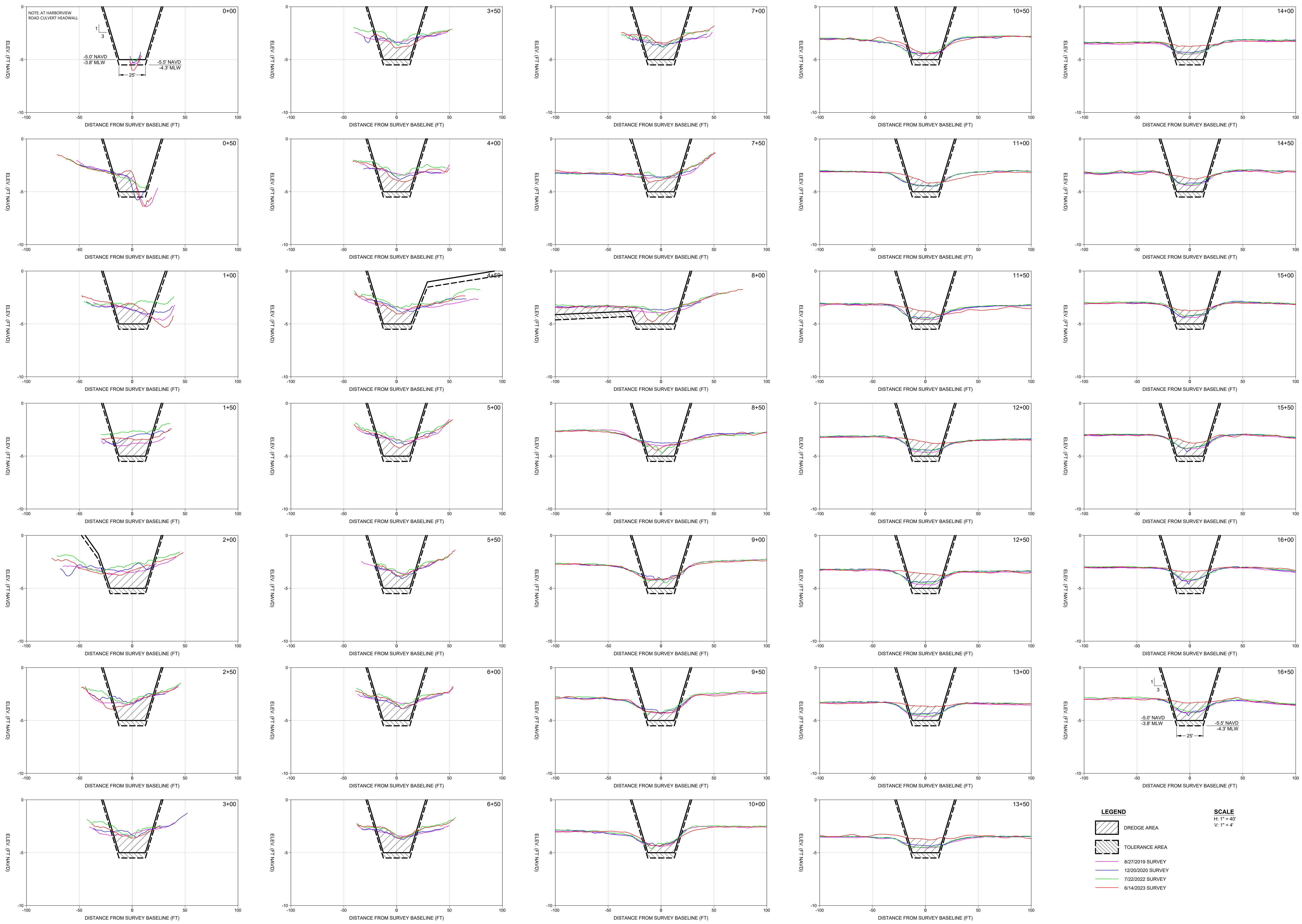
LEGEND

- ◻ = EXISTING CHANNEL MARKERS
- = EXISTING INFORMATIONAL SIGN
- 0+00 = CHANNEL STATION

COASTAL ENGINEERING CONSULTANTS, INC.
 FLORIDA BUSINESS AUTHORIZATION NO. LB 2464

RICHARD J. EWING, V.P.
 PROFESSIONAL SURVEYOR AND MAPPER
 FLORIDA CERTIFICATE NO. 5235
 NOT VALID WITHOUT THE SIGNATURE AND
 THE ORIGINAL RAISED SEAL OF A FLORIDA
 LICENSED SURVEYOR AND MAPPER
 CEC FILE NO. 23075
 DATE OF FIELD SURVEY: 6/14/2023
 DATE OF SIGNATURE:

<p>CLIENT: CHARLOTTE COUNTY</p> <p>TITLE: SUNCOAST WATERWAY BATHYMETRIC SURVEY PLAN VIEW</p>	<p>DATE: 8/17/2023</p> <p>SCALE: AS NOTED</p> <p>DRAWN: VVA</p> <p>CHECKED: MTP</p> <p>SEC: TWP</p> <p>ACAD NO. 23075-Suncoast.dwg</p> <p>REF. NO. 23.075</p>	<p>COASTAL ENGINEERING CONSULTANTS, INC.</p> <p>ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464</p> <p>PHONE: (239) 643-2324 FAX: (239) 643-1143 www.coastal-engineering.com E-Mail: info@cecinc.com</p> <p>Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD. BONITA SPRINGS, FLORIDA 34135</p>
<p>COASTAL ENGINEERING CONSULTANTS, INC.</p>	<p>DATE: BY</p>	<p>REVISION DESCRIPTION</p>



LEGEND

- DREDGE AREA
- TOLERANCE AREA
- 8/27/2019 SURVEY
- 12/20/2020 SURVEY
- 7/22/2022 SURVEY
- 6/14/2023 SURVEY

SCALE
 H: 1" = 40'
 V: 1" = 4'

COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464
 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastal-engineering.com E-Mail: info@cecinc.com
 28421 BONITA CROSSINGS BLVD. BONITA SPRINGS, FLORIDA 34135

CLIENT: CHARLOTTE COUNTY
TITLE: SUNCOAST WATERWAY BATHYMETRIC SURVEY CROSS SECTIONS: 0+00 TO 16+50

DATE:	8/17/2023	SCALE:	AS NOTED
DRAWN:	VVA	F.B.	
CHECKED:	MTP	PG.	
SEC.	TWP.	RNG.	
ACAD NO.	23075-Suncoast.dwg		
REF. NO.	23.075	NO.	
		DATE	BY
			REVISION DESCRIPTION

SHEET 2
 FILE NO.: 23075-SNCST-2



LEGEND

- DREDGE AREA
- TOLERANCE AREA
- 8/27/2019 SURVEY
- 12/20/2020 SURVEY
- 7/22/2022 SURVEY
- 6/14/2023 SURVEY

SCALE
H: 1" = 40'
V: 1" = 4'

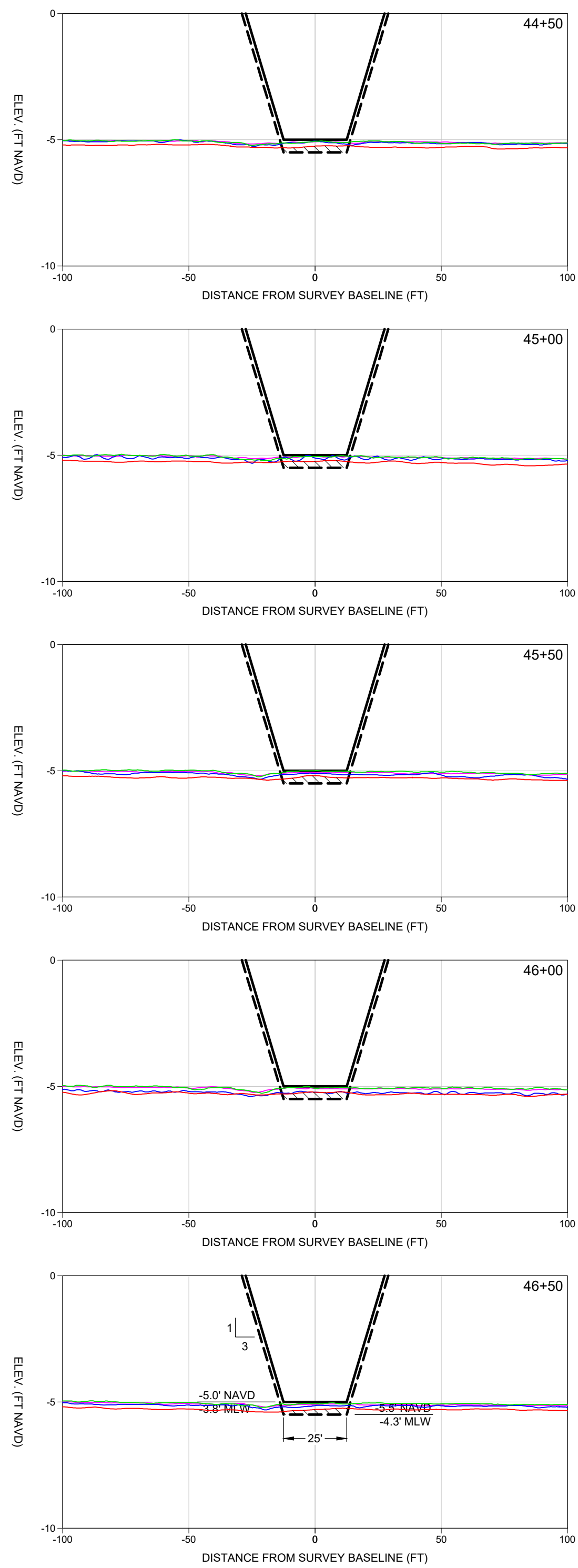
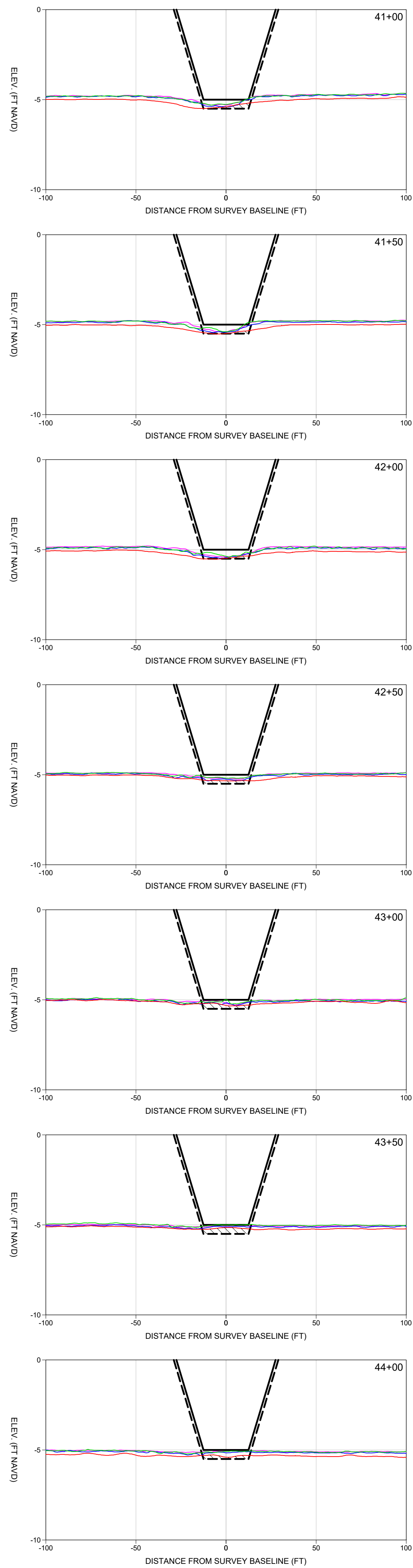
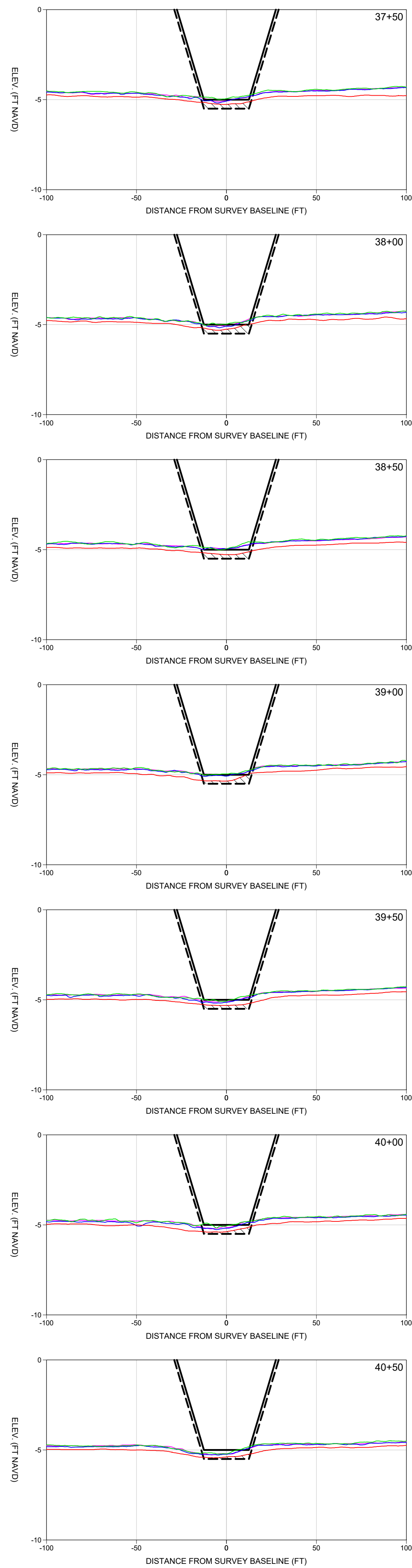
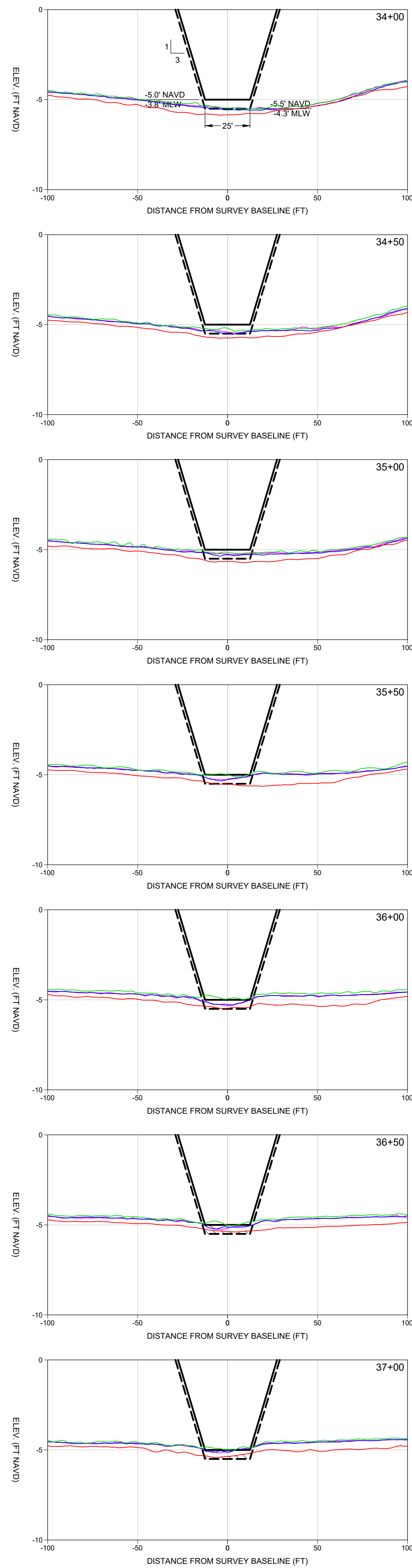
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 www.coastalengineering.com
 E-Mail: info@cecinc.com

CLIENT: CHARLOTTE COUNTY
TITLE: SUNCOAST WATERWAY BATHYMETRIC SURVEY CROSS SECTIONS: 17+00 TO 33+50

DATE:	8/17/2023	SCALE:	AS NOTED
DRAWN:	VVA	F.B.	
CHECKED:	MTP	PG.	
SEC.	TWP.	RNG.	
ACAD NO.	23075-Suncoast.dwg	NO.	23 075
REF. NO.		DATE	
		BY	
		REVISION DESCRIPTION	

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SHEET 3
 FILE NO.: 23075-SNCST-3



- LEGEND**
- DREDGE AREA
 - TOLERANCE AREA
 - 8/27/2019 SURVEY
 - 12/20/2020 SURVEY
 - 7/22/2022 SURVEY
 - 6/14/2023 SURVEY

SCALE
H: 1" = 40'
V: 1" = 4'

CHARLOTTE COUNTY
SUNCOAST WATERWAY
BATHYMETRIC SURVEY
CROSS SECTIONS: 34+00 TO 46+50

CLIENT: CHARLOTTE COUNTY
TITLE: SUNCOAST WATERWAY BATHYMETRIC SURVEY CROSS SECTIONS: 34+00 TO 46+50

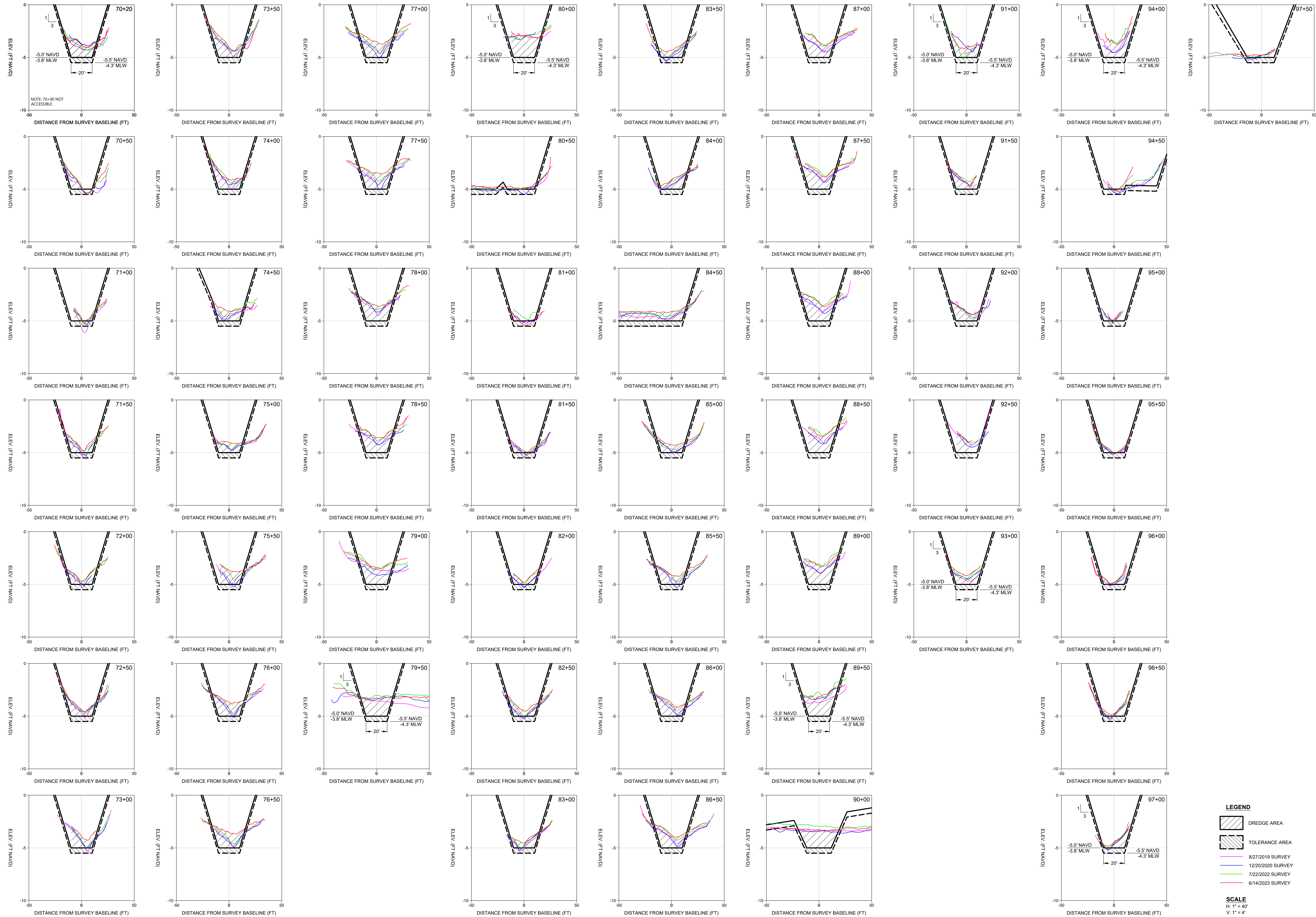
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BONITA SPRINGS, FLORIDA 34135

NO.	DATE	BY	REVISION DESCRIPTION

SHEET 4
FILE NO.: 23075-SNCST-4



LEGEND

- DREDGE AREA
- TOLERANCE AREA
- 8/27/2019 SURVEY
- 12/20/2020 SURVEY
- 7/22/2022 SURVEY
- 6/14/2023 SURVEY

SCALE
 H: 1" = 40'
 V: 1" = 4'

CHARLOTTE COUNTY
SUNCOAST WATERWAY
BATHYMETRIC SURVEY
CROSS SECTIONS: 70+00 TO 79+50, 80+00 TO 90+00, 91+00 TO 93+00 AND 94+00 TO 97+50

CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEYING, CA 2464
ENGINEERING: CA 2464
SURVEYING: LB 2464

DATE: 8/17/2023
DRAWN: VVA/F.B.
CHECKED: MTP/JG.
SEC.: TWP./RNG.
ACAD NO.: 23075-Suncoast.dwg
REF. NO.: 23 075

SCALE: AS NOTED

PHONE: (239)643-2324
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NO.	DATE	BY	REVISION DESCRIPTION

SHEET 6
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