

PUBLISHED TIDAL INFORMATION

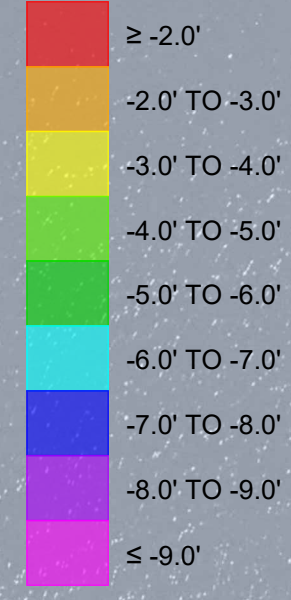
TIDAL DATUMS AT PUNTA GORDA, CHARLOTTE COUNTY ARE BASED ON FLORIDA 872 5744 TIDE STATION, PUBLISHED 10-18-2010.
 LENGTH OF SERIES = 8 MONTHS
 TIME PERIOD = 7/1977 - 2/1978
 TIDAL EPOCH = 1983 - 2001
 CONTROL TIDE STATION = 872 5110 NAPLES, GULF OF MEXICO
 ELEVATIONS OF TIDAL DATUMS ARE REFERENCED IN NAVD 1988.
 MEAN HIGH WATER (MHW) = +0.06 FT NAVD88
 MEAN TIDE LEVEL (MTL) = -0.57 FT NAVD88
 MEAN LOW WATER (MLW) = -1.20 FT NAVD88
 MEAN LOWER LOW WATER (MLLW) = -1.65 FT NAVD88

NOTES

- BATHYMETRIC SURVEYS COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC. (CEC), ON 4/24/2023, 8/23/2024 AND 9/19/2024.
- POST-MILTON BATHYMETRIC SURVEY COMPLETED BY CEC ON 3/6/2025.
- CHANNEL MARKERS WERE LOCATED BY CEC ON 3/6/2025.
- 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 (NAVD88). REFERENCE BENCHMARK: U 797, N: 957241.31, E: 922505.63, ELEV. = +4.25' NAVD88.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD88.
- 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.
- POST-MILTON AERIAL PHOTOGRAPHY OBTAINED FROM NOAA, DATED OCTOBER 2024.

SURVEY BASELINE LINE TABLE				
LINE #	DIRECTION	LENGTH	START POINT (N, E)	END POINT (N, E)
L1	S42° 31' 36"W	885.66'	956289.26', 619371.71'	955651.30', 618786.58'
L2	S40° 29' 01"W	1007.10'	955651.30', 618786.58'	954885.31', 618132.74'

ELEVATION (FT NAVD88)



- LEGEND**
- ▲ □ ▲ = EXISTING CHANNEL MARKERS
 - = EXISTING INFORMATIONAL SIGN
 - ①②③ = 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. 25120
 DATE OF FIELD SURVEY: 3/6/2025
 DATE OF SIGNATURE:

CHARLOTTE COUNTY		SUNRISE WATERWAY BATHYMETRIC SURVEY PLAN VIEW	
DATE: 3/7/2025	SCALE: AS NOTED	DATE: 25.120	NO. 25.120
DRAWN: VVA	F.B.	BY:	
CHECKED: RJE	PG.	DATE:	
SEC. TWP. R1G.			
ACAD. NO. 25120-Sunrise.dwg			
REF. NO.			

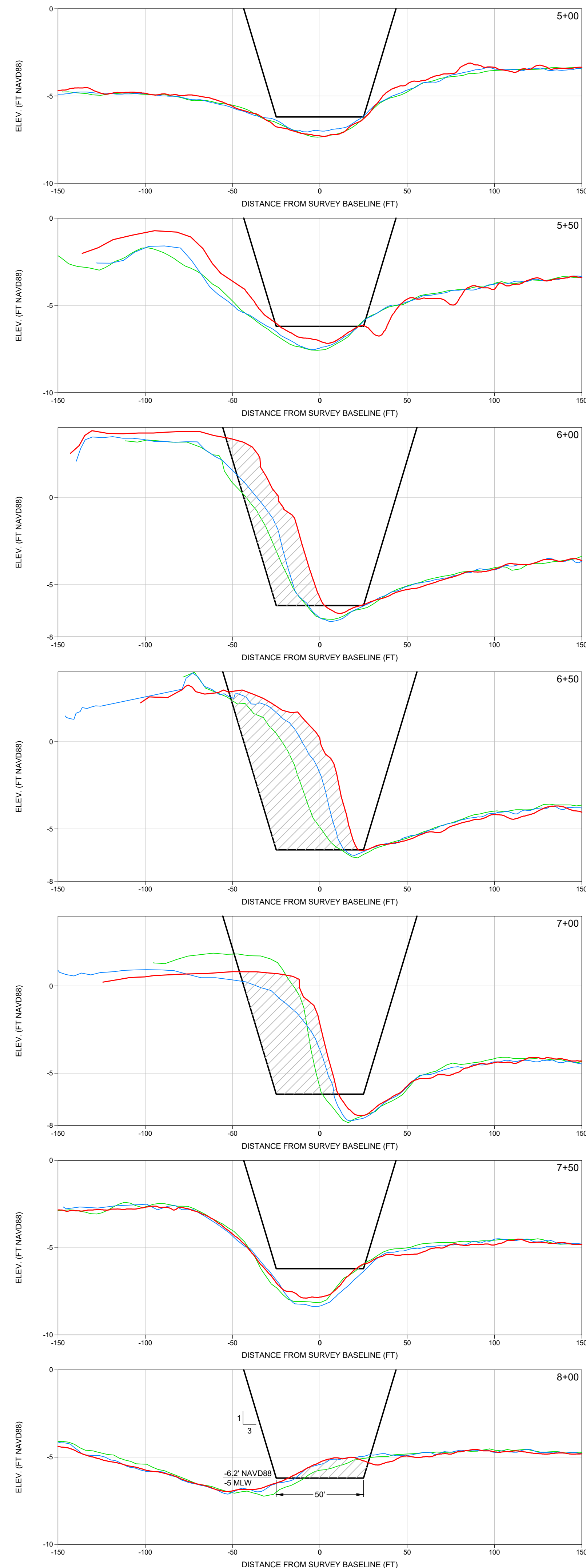
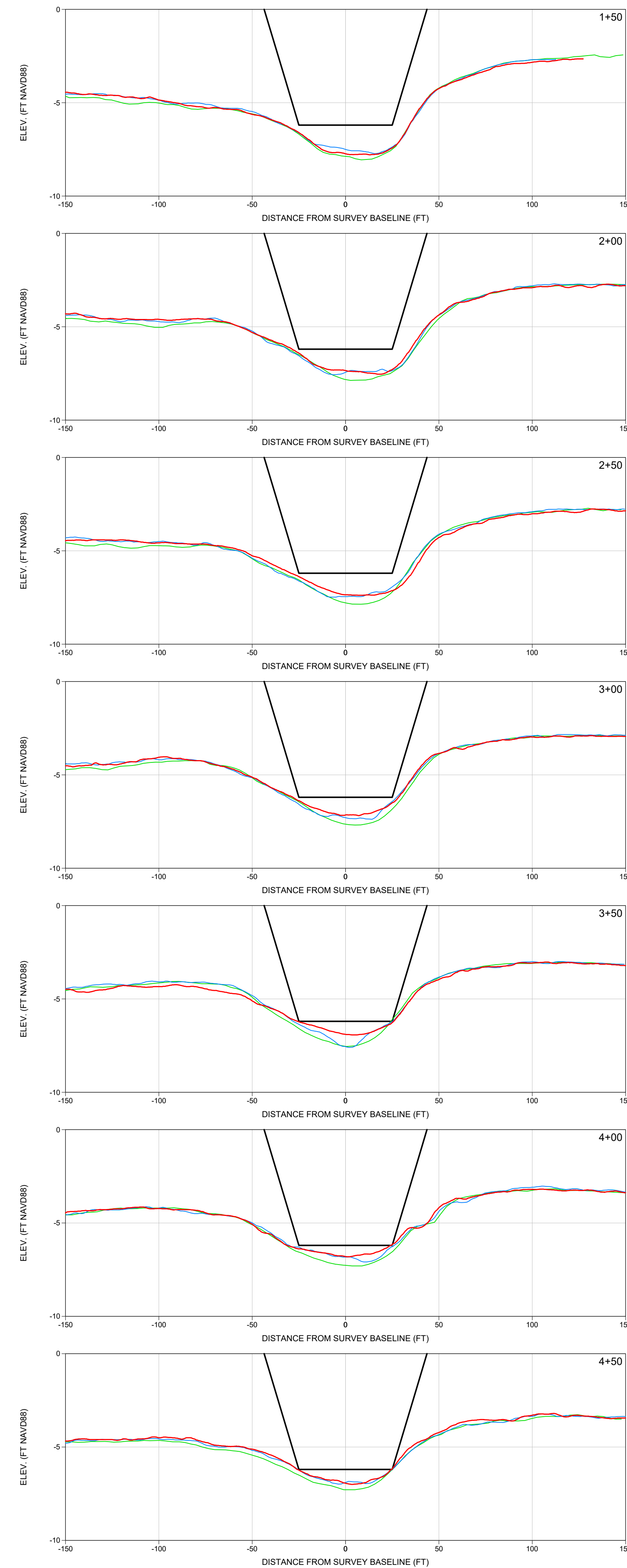
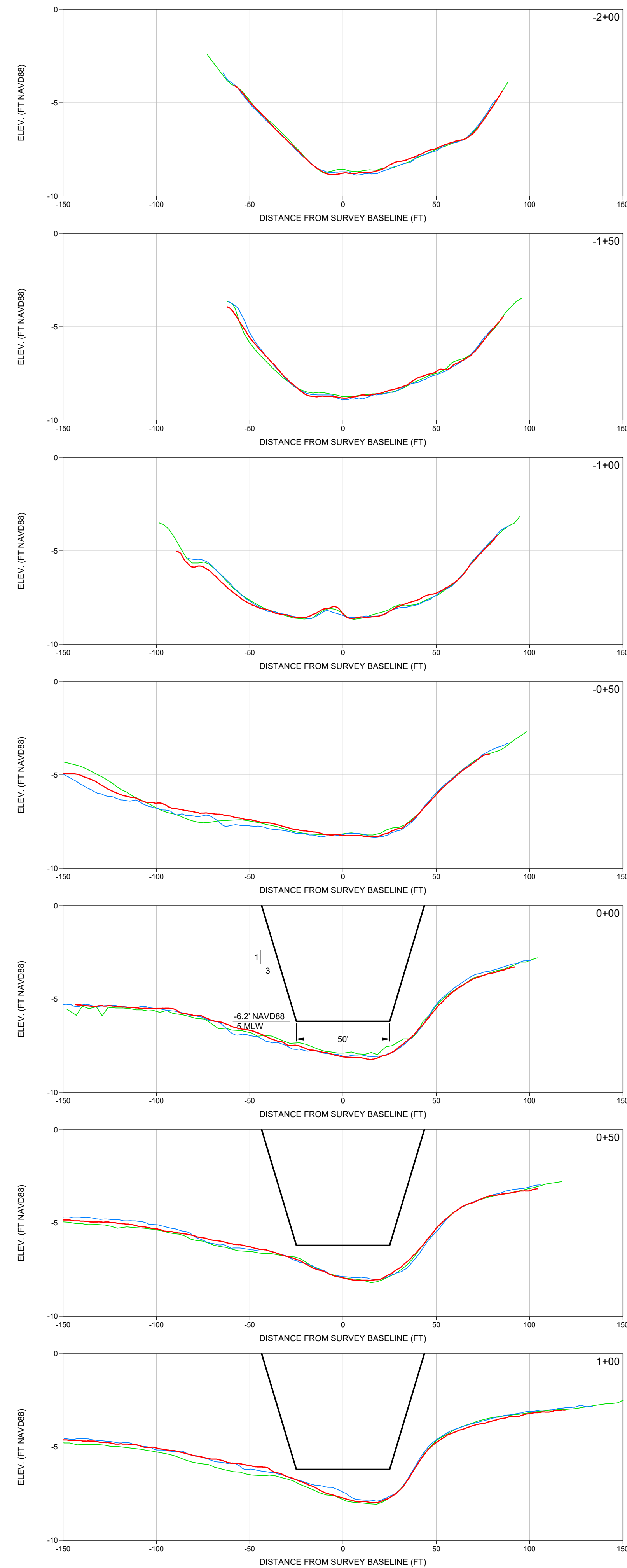
COASTAL ENGINEERING CONSULTANTS, INC.
 ENVIRONMENTAL & GEOLOGICAL SERVICES
 SURVEY AND MAPPING
 ENGINEERING, CA 2464
 SURVEYING, LB 2464

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Serving Florida Since 1977
 28421 BONITA CROSSINGS BLVD
 BONITA SPRINGS, FLORIDA 34135

COASTAL ENGINEERING CONSULTANTS, INC.

SHEET 1
 FILE NO.: 25120-SUN-1



LEGEND

- 4/24/2023 SURVEY
- 8/23/2024 SURVEY
- 3/6/2025 SURVEY
- DREDGE AREA

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

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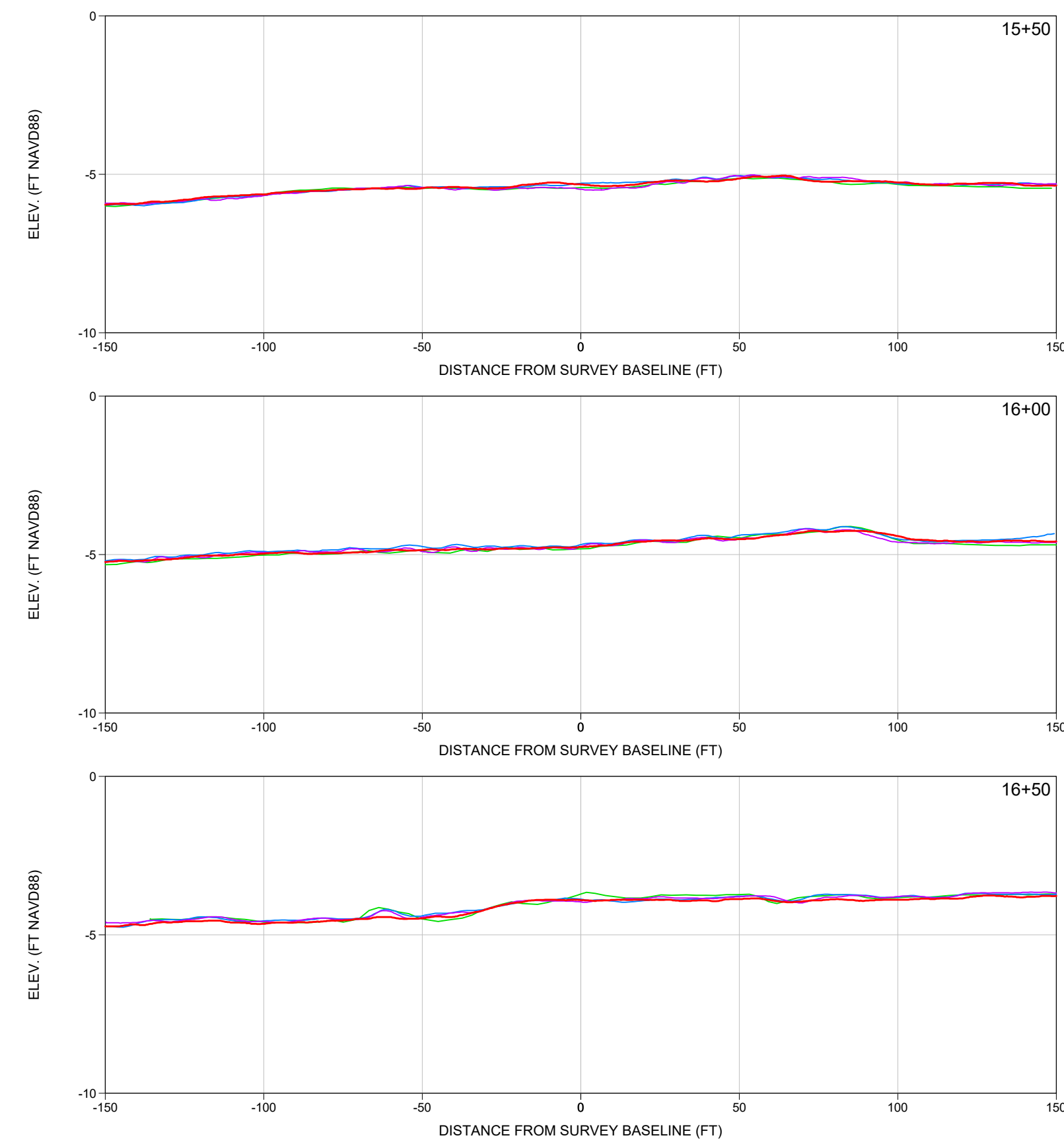
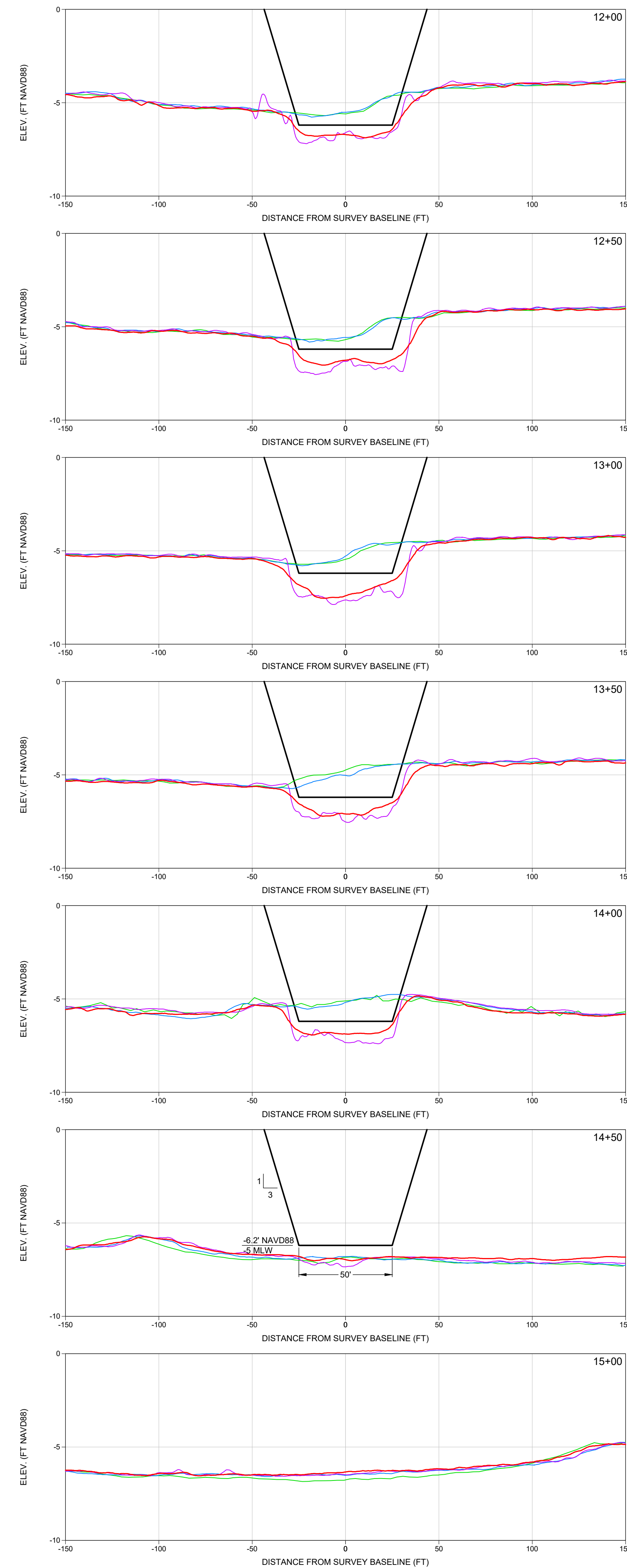
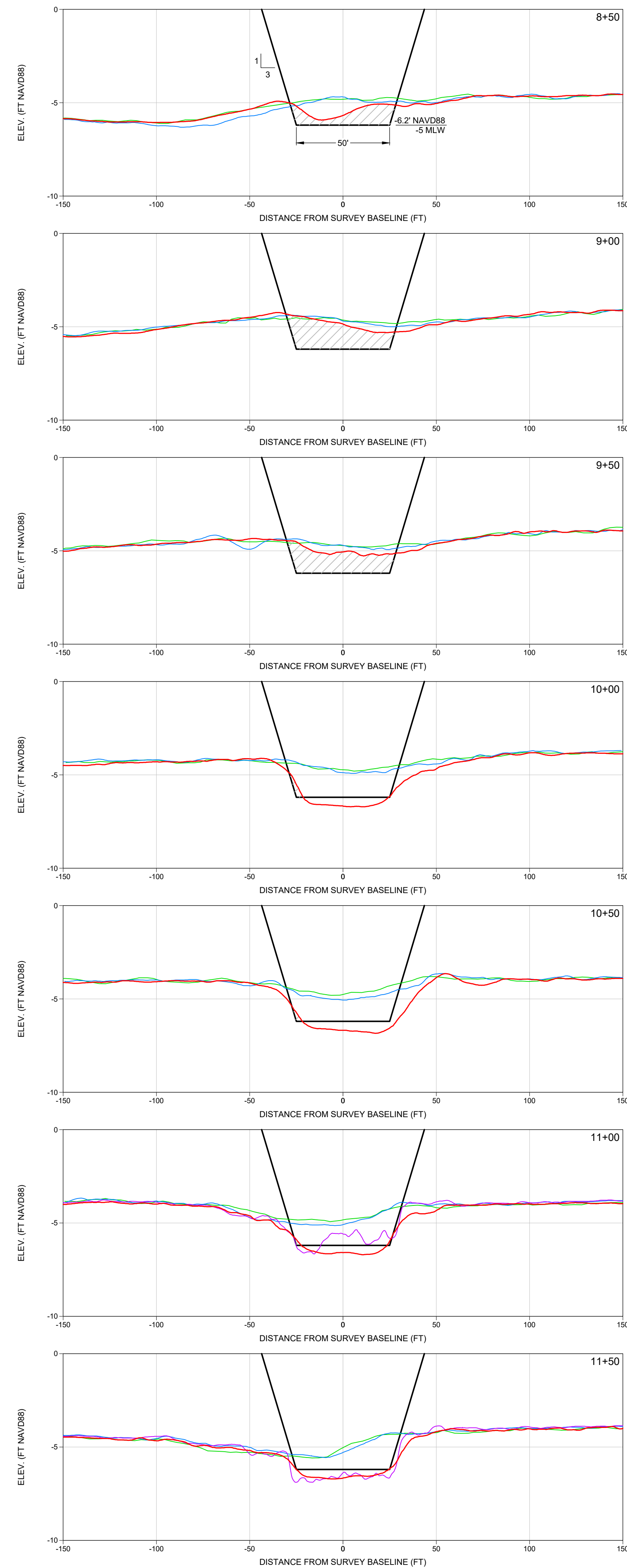
DATE: 3/7/2025		SCALE: AS NOTED	
DRAWN: VVA		F.B.	
CHECKED: RJE		P.G.	
SEC.		TWP.	
ACAD NO.		25120-Sunrise.dwg	
REF. NO.		25.120	
NO.	BY	DATE	REVISION DESCRIPTION

CHARLOTTE COUNTY
SUNRISE WATERWAY
BATHYMETRIC SURVEY
CROSS SECTIONS: -2+00 TO 8+00

CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464
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SHEET 2
 FILE NO.: 25120-SUN-2



LEGEND

- 4/24/2023 SURVEY
- 8/23/2024 SURVEY
- 9/19/2024 SURVEY
- 3/6/2025 SURVEY
- DREDGE AREA

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

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CLIENT: CHARLOTTE COUNTY
TITLE: SUNRISE WATERWAY
 BATHYMETRIC SURVEY
 CROSS SECTIONS: 8+50 TO 16+50

DATE:	3/7/2025	SCALE:	AS NOTED	BY:	
DRAWN:	VVA	F.B.			
CHECKED:	RJE	P.G.			
SEC.	TWP.	RNG.			
ACAD NO.	25120-Sunrise.dwg				
REF. NO.	25.120	NO.		BY	

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