

PUBLISHED TIDAL INFORMATION

TIDAL DATUMS AT EL JOBEAN, MYAKKA RIVER, CHARLOTTE COUNTY FLORIDA, ARE BASED ON FLORIDA 872 5769 TIDE STATION, PUBLISHED 4-24-2012

LENGTH OF SERIES = 5 MONTHS
 TIME PERIOD = AUG 1977 - DEC 1977
 TIDAL EPOCH = 1983 - 2001
 CONTROL TIDE STATION = PUNTA GORDA (5744)

ELEVATIONS OF TIDAL DATUMS ARE REFERENCED IN NAVD 1988

MEAN HIGH WATER (MHW) = +0.13 FT NAVD
 MEAN TIDE LEVEL (MTL) = -0.52 FT NAVD
 MEAN LOW WATER (MLW) = -1.17 FT NAVD
 MEAN LOWER LOW WATER (MLLW) = -1.61 FT NAVD

NOTES

- BATHYMETRIC SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC., ON 8/22/2019.
- PRE- AND POST-CONSTRUCTION BATHYMETRIC SURVEYS CONDUCTED BY JOHNSON ENGINEERING ON 10/28/2020 AND 4/15/2022.
- POST-IAN BATHYMETRIC SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC., ON 4/21/2023.
- CHANNEL MARKERS WERE LOCATED AS PART OF THIS SURVEY.
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).
- ELEVATIONS SHOWN HEREON ARE IN FEET AND TENTHS AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD). REFERENCE BENCHMARK: NGS MONUMENT C636, PID DJ3462, N: 949966.21, E: 585720.70, ELEV. = +6.89' NAVD.
- 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 NOAA, DATED OCTOBER 2022.
- SURVEY BASELINE AND DREDGE CUT WERE OBTAINED FROM JOHNSON ENGINEERING, DRAWING NAME: SOUTH GULF COVE TURN BASIN & MYAKKA CHANNEL - CAD FILE.DWG.

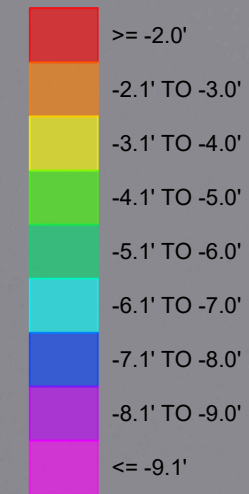
LEGEND

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

SURVEY BASELINE LINE TABLE

LINE #	DIRECTION	LENGTH	START POINT (N, E)	END POINT (N, E)
L1	N33° 02' 53"W	150.00'	947860.54', 592077.36'	947986.27', 591995.56'
L2	N2° 49' 19"E	65.00'	947986.27', 591995.56'	948051.19', 591998.76'
L3	N38° 42' 16"E	87.96'	948051.19', 591998.76'	948119.83', 592053.76'
L4	N38° 42' 20"E	573.69'	948119.83', 592053.76'	948567.52', 592412.50'
L5	N23° 44' 25"E	305.45'	948567.52', 592412.50'	948847.12', 592535.47'
L6	N21° 24' 17"E	287.19'	948847.12', 592535.47'	949114.50', 592640.28'
L7	N21° 37' 55"E	530.72'	949114.50', 592640.28'	949607.84', 592835.93'

ELEVATION (FT NAVD)

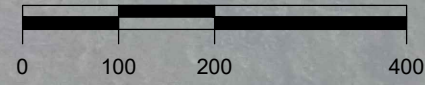


CATTLE DOCK POINT RD

MYAKKA RIVER



BOTTOM OF DREDGE CUT
 SURVEY BASELINE

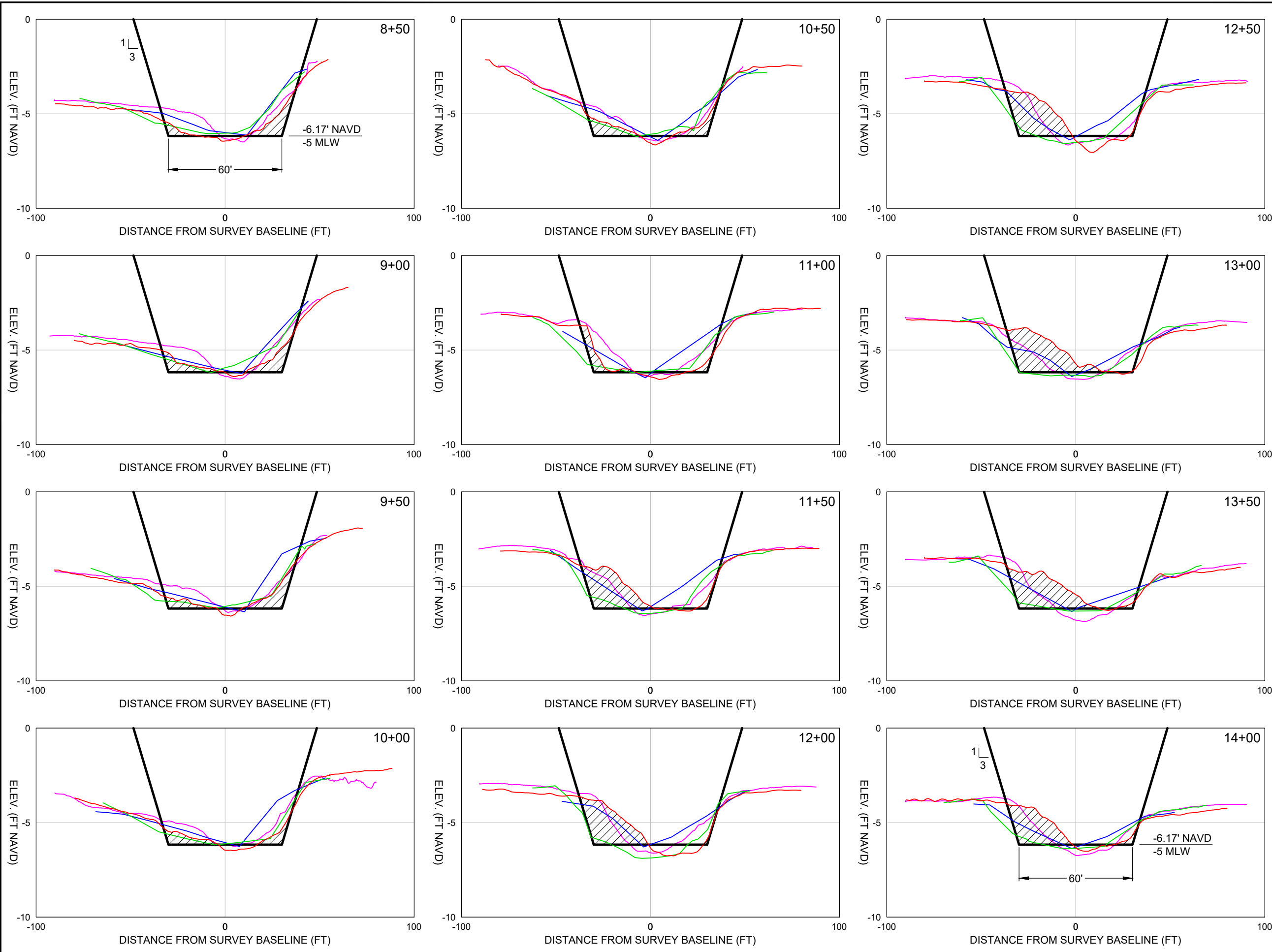


SCALE: 1" = 200'

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

RICHARD J. EWING, V.P.
 PROFESSIONAL SURVEYOR AND MAPPER
 FLORIDA CERTIFICATE NO. 5295
 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: 4/21/2023
 DATE OF SIGNATURE:

DATE: 5/3/2023 SCALE: AS NOTED DRAWN: VVA/FB CHECKED: RJE/JG SEC: TWP: RRG: ACAD NO: 23075-South Gulf Cove.dwg REF. NO: 23.075	CHARLOTTE COUNTY SOUTH GULF COVE BATHYMETRIC SURVEY PLAN VIEW	CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com
SHEET 1 FILE NO.: 23075-SGC-1		

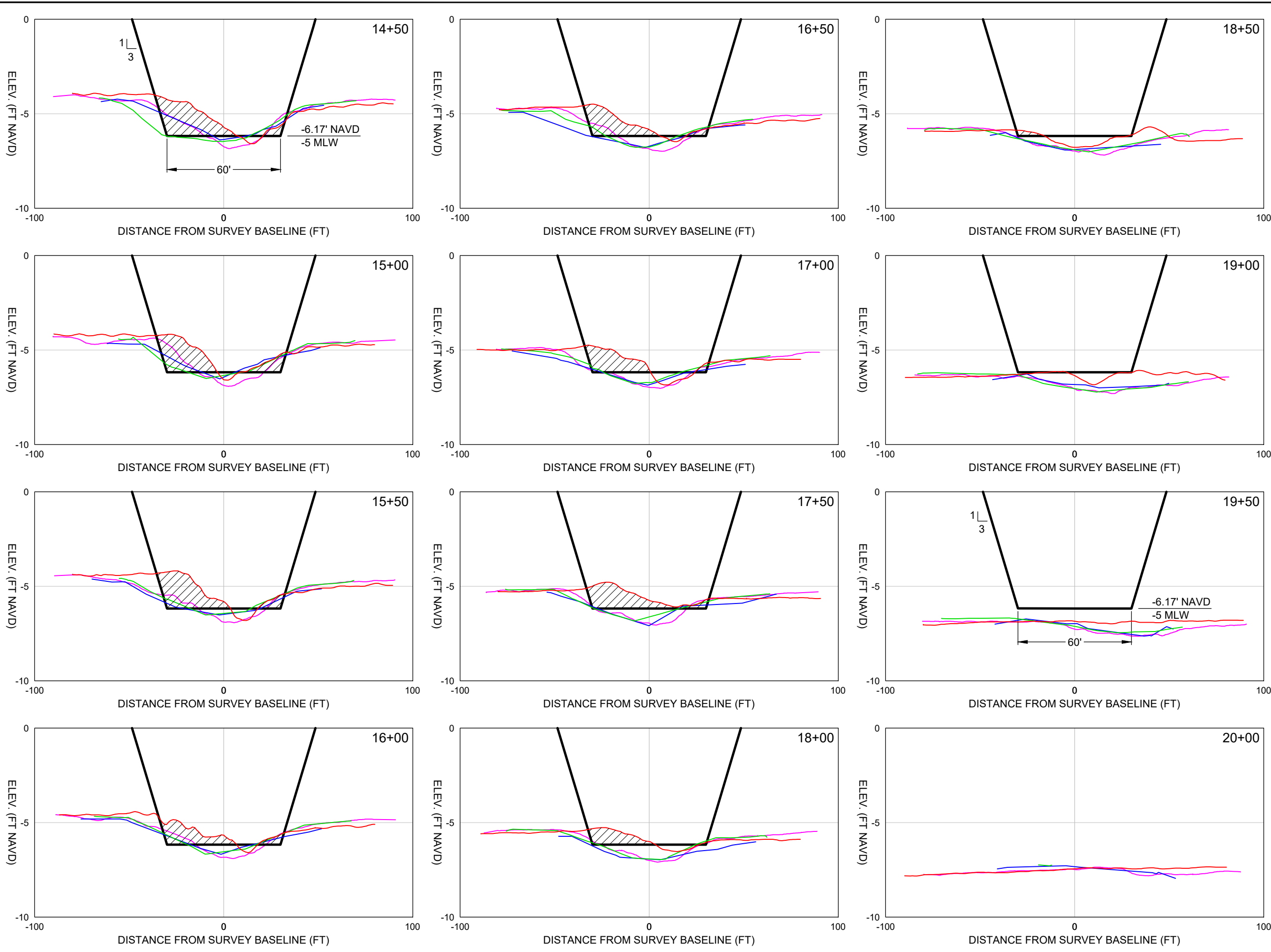


SCALE
H: 1" = 50'
V: 1" = 5'

LEGEND

- = 8/22/2019 SURVEY
- = 10/28/2020 BD SURVEY (JOHNSON ENG.)
- = 4/15/2022 AD SURVEY (JOHNSON ENG.)
- = 4/21/2023 SURVEY
- = DREDGE AREA

<p>DATE: 5/3/2023 DRAWN: VVA/FB CHECKED: RJE/JG SEC: TWP: RRG: ACAD NO: 23075-South Gulf Cove.dwg REF. NO: 23.075</p>	<p>SCALE: AS NOTED VVA/FB RJE/JG TRP: RRG: ACAD NO: 23075-South Gulf Cove.dwg REF. NO: 23.075</p>	<p>CHARLOTTE COUNTY SOUTH GULF COVE CROSS SECTIONS: 8+50 TO 14+00</p>
<p>CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464</p>	<p>PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com</p>	<p>COASTAL ENGINEERING CONSULTANTS Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135</p>
<p>SHEET 4 FILE NO.: 23075-SGC-4</p>		



SCALE
H: 1" = 50'
V: 1" = 5'

LEGEND

- = 8/22/2019 SURVEY
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- = 4/21/2023 SURVEY
- = DREDGE AREA

CHARLOTTE COUNTY		SOUTH GULF COVE		CROSS SECTIONS: 14+50 TO 20+00	
DATE: 5/3/2023	SCALE: AS NOTED	DRAWN: VVA/FB	CHECKED: RJE/JG	ACAD NO: 23075-South Gulf Cove.dwg	REVISION DESCRIPTION
CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464	PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com				
COASTAL ENGINEERING CONSULTANTS INC.		Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135			
SHEET 5		FILE NO.: 23075-SGC-5			