

NOTES

1. POST-CONSTRUCTION BATHYMETRIC SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC. BETWEEN 3/1/2019 AND 10/4/2019.
2. BATHYMETRIC SURVEY CONDUCTED BY OCEANSIDE SOLUTIONS 10/21-23/2020.
3. POST-AN BATHYMETRIC SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC. 5/9-10/2023.
4. CHANNEL MARKERS WERE LOCATED AS PART OF THIS SURVEY.
5. 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).
6. ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). SEE PLAN VIEW BELOW FOR REFERENCE BENCHMARKS.
7. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD88.
8. 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, 1 JAN 02.
9. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
10. AERIAL PHOTOGRAPHY OBTAINED FROM FDOT, DATED 2020.

TIDAL BENCHMARK

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 LOW WATER (MLW) = -1.17 FT NAVD
 MEAN LOWER LOW WATER (MLLW) = -1.61 FT NAVD
 NATIONAL GEODETIC VERT. DATUM = -1.12 FT NAVD

SURVEY BASELINE LINE TABLE

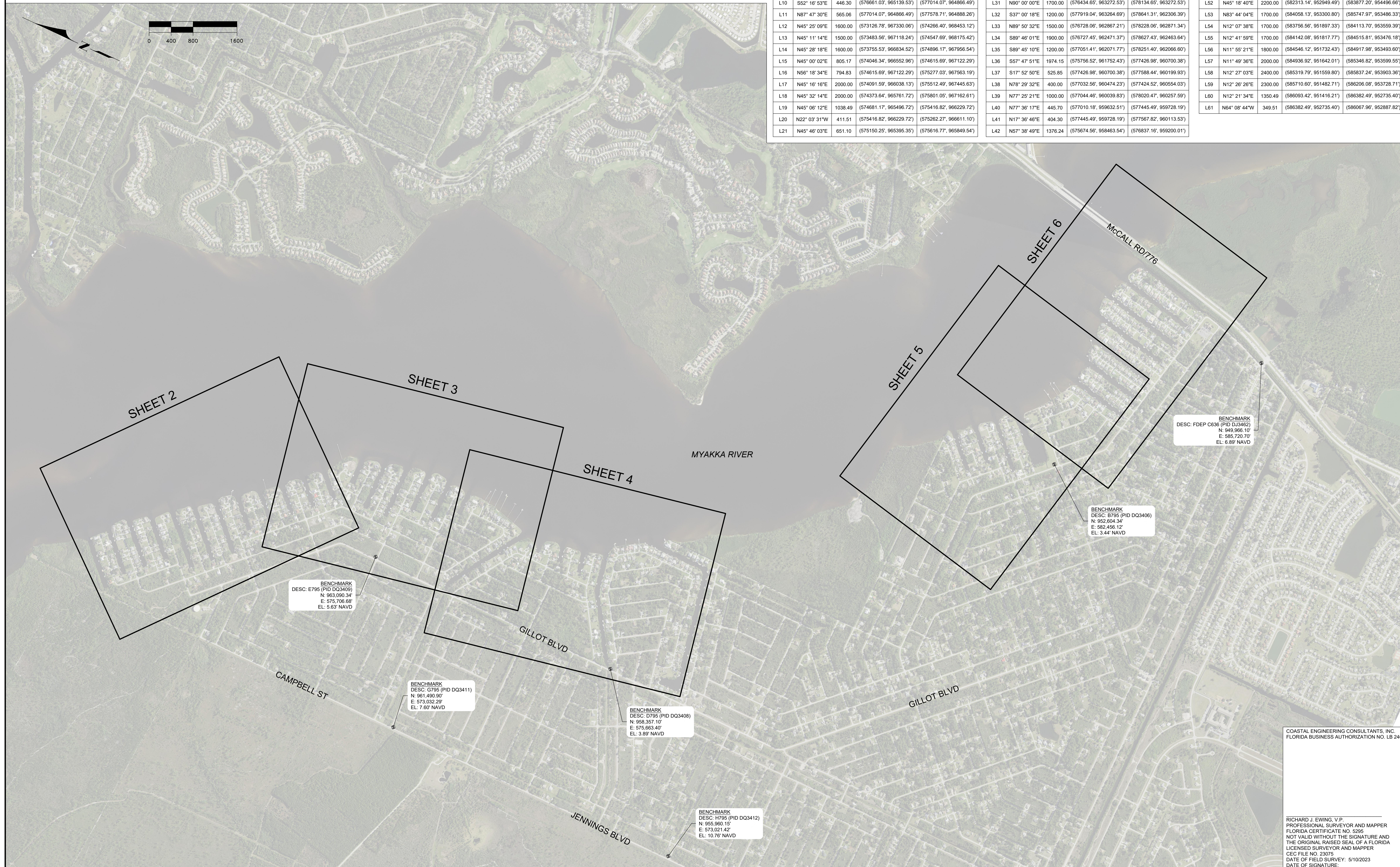
Line #	Direction	Length	Start (Easting, Northing)	End (Easting, Northing)
L1	S38° 59' 43"E	405.45	(573984.42, 968175.23)	(574239.55, 967860.12)
L2	S41° 10' 44"E	394.38	(574239.55, 967860.12)	(574499.21, 967563.28)
L3	S45° 47' 19"E	472.41	(574499.21, 967563.28)	(574837.83, 967233.86)
L4	S71° 25' 07"E	363.02	(574837.83, 967233.86)	(575181.93, 967118.19)
L5	S64° 32' 25"E	477.16	(575181.93, 967118.19)	(575612.75, 966913.06)
L6	S9° 39' 45"E	974.41	(575612.75, 966913.06)	(575776.30, 965952.48)
L7	S49° 14' 18"E	378.25	(575776.30, 965952.48)	(576062.80, 965705.51)
L8	S46° 28' 29"E	405.25	(576062.80, 965705.51)	(576356.64, 965426.43)
L9	S46° 41' 39"E	418.29	(576356.64, 965426.43)	(576661.03, 965139.53)
L10	S52° 16' 53"E	446.30	(576661.03, 965139.53)	(577014.07, 964866.49)
L11	N87° 47' 30"E	565.06	(577014.07, 964866.49)	(577578.71, 964888.26)
L12	N45° 25' 09"E	1600.00	(573126.78, 967330.06)	(574266.40, 968453.12)
L13	N45° 11' 14"E	1500.00	(573483.56, 967118.24)	(574547.69, 968175.42)
L14	N45° 28' 18"E	1600.00	(573755.53, 966834.52)	(574896.17, 967956.54)
L15	N45° 00' 02"E	805.17	(574046.34, 966552.98)	(574615.69, 967122.29)
L16	N56° 18' 34"E	794.83	(574615.69, 967122.29)	(575277.03, 967563.19)
L17	N45° 16' 16"E	2000.00	(574091.59, 966038.13)	(575512.49, 967445.63)
L18	N45° 32' 14"E	2000.00	(574373.64, 965761.72)	(575801.05, 967162.61)
L19	N45° 06' 12"E	1038.49	(574681.17, 965496.72)	(575416.82, 966229.72)
L20	N22° 03' 31"W	411.51	(575416.82, 966229.72)	(575262.27, 966611.10)
L21	N45° 46' 03"E	651.10	(575150.25, 965395.35)	(575616.77, 965849.54)

SURVEY BASELINE LINE TABLE

Line #	Direction	Length	Start (Easting, Northing)	End (Easting, Northing)
L22	N57° 10' 19"E	648.90	(575616.77, 965849.54)	(576162.04, 966201.32)
L23	N44° 49' 36"E	1200.00	(575447.97, 965091.58)	(576293.83, 965842.67)
L24	N43° 39' 19"E	1200.00	(575763.54, 964807.54)	(576591.92, 965675.75)
L25	N43° 17' 18"E	1200.00	(576038.16, 964504.63)	(576860.98, 965378.13)
L26	N45° 08' 15"E	1200.00	(576315.79, 964231.98)	(577166.35, 965078.47)
L27	N88° 25' 11"E	597.47	(576739.63, 964056.64)	(577336.87, 964073.12)
L28	S20° 18' 14"E	446.56	(577336.87, 964073.12)	(577491.83, 963654.30)
L29	S0° 00' 00"E	355.97	(577491.83, 963654.30)	(577491.83, 963298.34)
L30	N90° 00' 00"E	1000.00	(576442.69, 963669.03)	(577442.69, 963669.03)
L31	N90° 00' 00"E	1700.00	(576434.65, 963272.53)	(578134.65, 963272.53)
L32	S37° 00' 18"E	1200.00	(577919.04, 963264.69)	(578641.31, 962306.39)
L33	N89° 50' 32"E	1500.00	(576728.06, 962867.21)	(578228.06, 962871.34)
L34	S89° 46' 01"E	1900.00	(576727.45, 962471.37)	(578627.43, 962463.64)
L35	S89° 45' 10"E	1200.00	(577051.41, 962071.77)	(578251.40, 962066.60)
L36	S57° 47' 51"E	1974.15	(575756.52, 961752.43)	(577426.98, 960700.38)
L37	S17° 52' 50"E	525.85	(577426.98, 960700.38)	(577588.44, 960199.93)
L38	N78° 28' 32"E	400.00	(577032.56, 960474.23)	(577424.52, 960554.03)
L39	N77° 25' 21"E	1000.00	(577044.46, 960039.83)	(578020.47, 960257.59)
L40	N77° 36' 17"E	445.70	(577010.18, 959632.51)	(577445.49, 959728.19)
L41	N17° 36' 46"E	404.30	(577445.49, 959728.19)	(577587.82, 960113.53)
L42	N57° 38' 49"E	1376.24	(575674.56, 958463.54)	(576837.16, 959200.17)

SURVEY BASELINE LINE TABLE

Line #	Direction	Length	Start (Easting, Northing)	End (Easting, Northing)
L43	N78° 56' 14"E	1323.76	(576837.16, 959200.01)	(578136.32, 959454.02)
L44	S3° 30' 10"E	331.64	(576882.19, 957465.05)	(576902.45, 957134.02)
L45	N78° 43' 00"E	2044.05	(576902.45, 957134.02)	(577906.99, 957333.97)
L46	N44° 25' 11"E	153.29	(577906.99, 957333.97)	(578014.27, 957643.45)
L47	N0° 26' 00"E	957.04	(578014.27, 957643.45)	(578021.51, 958600.47)
L48	N41° 46' 29"E	613.98	(578021.51, 958600.47)	(578430.55, 959058.36)
L49	N45° 27' 26"E	1500.00	(581664.49, 953999.64)	(582733.58, 955051.81)
L50	N46° 04' 10"E	1500.00	(581935.81, 953728.62)	(583016.09, 954769.30)
L51	N45° 52' 11"E	2000.00	(581999.57, 953239.41)	(583435.09, 954631.99)
L52	N45° 18' 40"E	2200.00	(582313.14, 952949.49)	(583777.20, 954496.66)
L53	N83° 44' 04"E	1700.00	(584058.13, 953300.80)	(585747.97, 953486.33)
L54	N12° 07' 38"E	1700.00	(583756.56, 951897.33)	(584113.70, 953559.39)
L55	N12° 41' 59"E	1700.00	(584142.08, 951817.77)	(584515.81, 953476.18)
L56	N11° 55' 21"E	1800.00	(584546.12, 951732.43)	(584917.98, 953493.00)
L57	N11° 49' 36"E	2000.00	(584936.92, 951642.01)	(585346.82, 953399.55)
L58	N12° 27' 03"E	2400.00	(585319.79, 951559.80)	(585837.24, 953903.36)
L59	N12° 26' 26"E	2300.00	(585710.60, 951482.71)	(586206.08, 953728.71)
L60	N12° 21' 34"E	1350.49	(586093.42, 951416.21)	(586382.49, 952735.40)
L61	N64° 08' 44"W	349.51	(586382.49, 952735.40)	(586607.96, 952887.82)



CLIENT: CHARLOTTE COUNTY

TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY COVER SHEET

DATE: 6/29/2023

DRAWN: SDB

CHECKED: GVT

SEC: TWP

ACAD NO: 23075-PLAN.dwg

REF. NO: 23 075

SCALE: AS NOTED

DATE: 6/29/2023

DRAWN: SDB

CHECKED: GVT

SEC: TWP

ACAD NO: 23075-PLAN.dwg

REF. NO: 23 075

DATE:

BY:

REVISION DESCRIPTION:

COASTAL ENGINEERING CONSULTANTS, INC.
 SURVEY & MAPPING
 COASTAL ENGINEERING
 ENVIRONMENTAL
 PLANNING SERVICES

PHONE: (239) 643-2324
 FAX: (239) 643-1143
 www.coastal-engineering.com
 E-Mail: info@cecinc.com

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: 5/10/2023
 DATE OF SIGNATURE:

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

28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135

SHEET 1
 FILE NO.: 23075-GC-1

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574,340 E

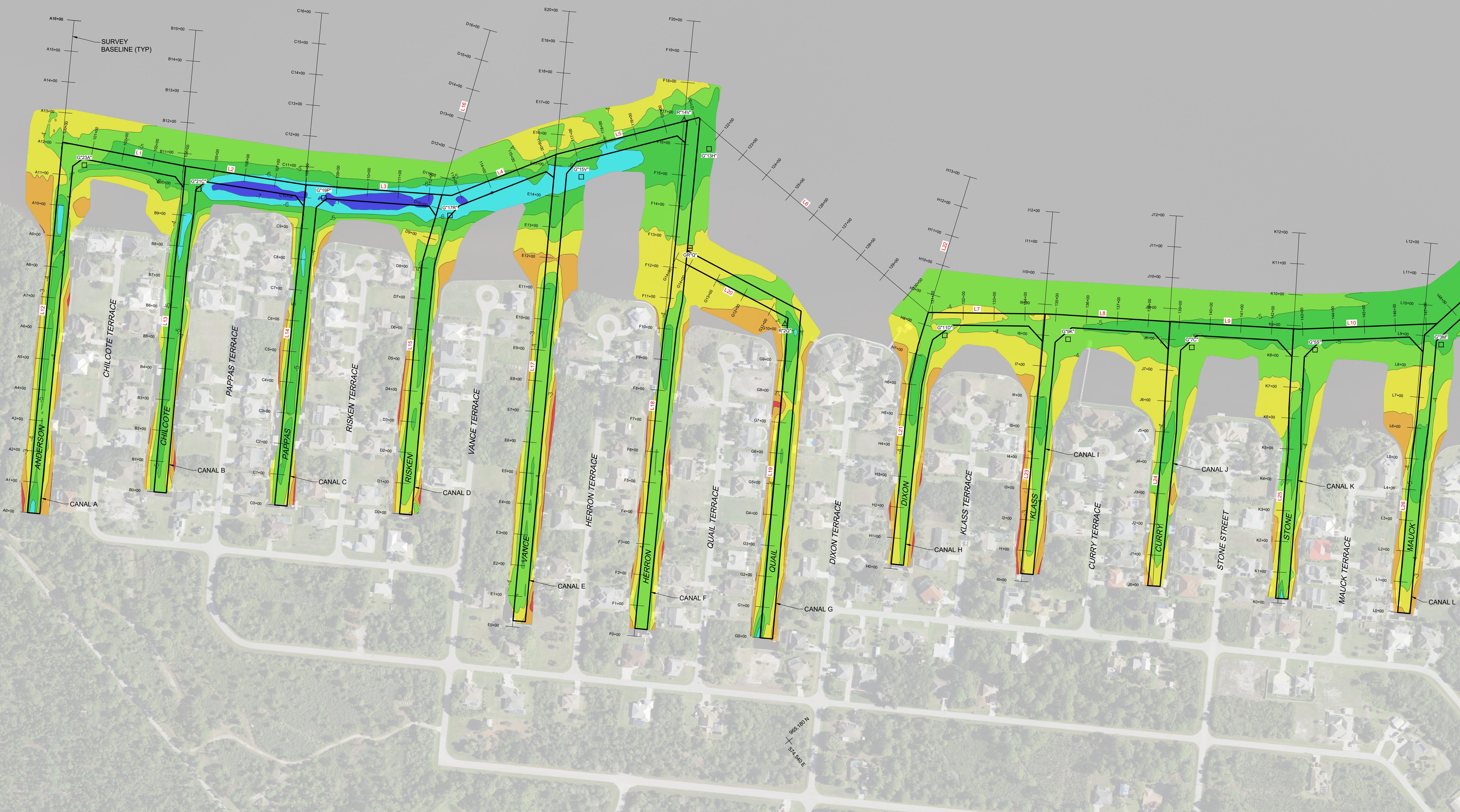
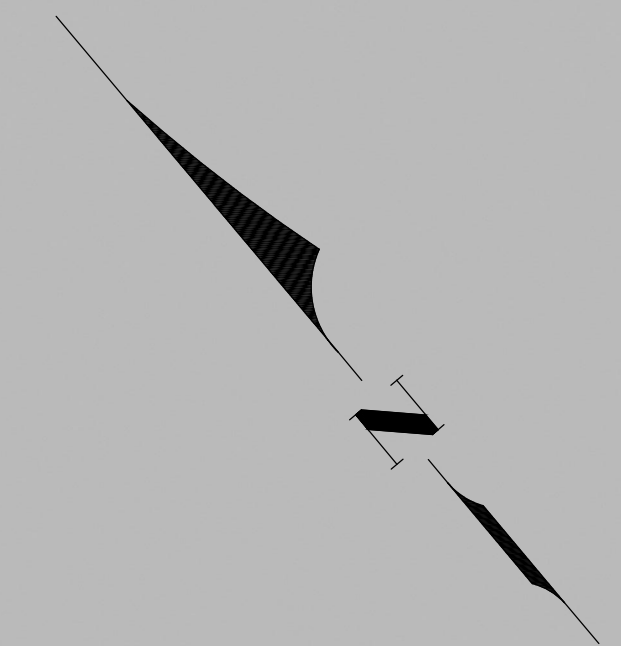
LEGEND

- = DREDGE CUT
- = ALIGNMENT LINE LABEL
- = EXISTING CHANNEL MARKERS
- 0+00 = CHANNEL STATION

ELEVATION (FT NAVD)

- >= -2.0'
- 2.1' TO -3.0'
- 3.1' TO -4.0'
- 4.1' TO -5.0'
- 5.1' TO -6.0'
- 6.1' TO -7.0'
- 7.1' TO -8.0'
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MYAKKA RIVER



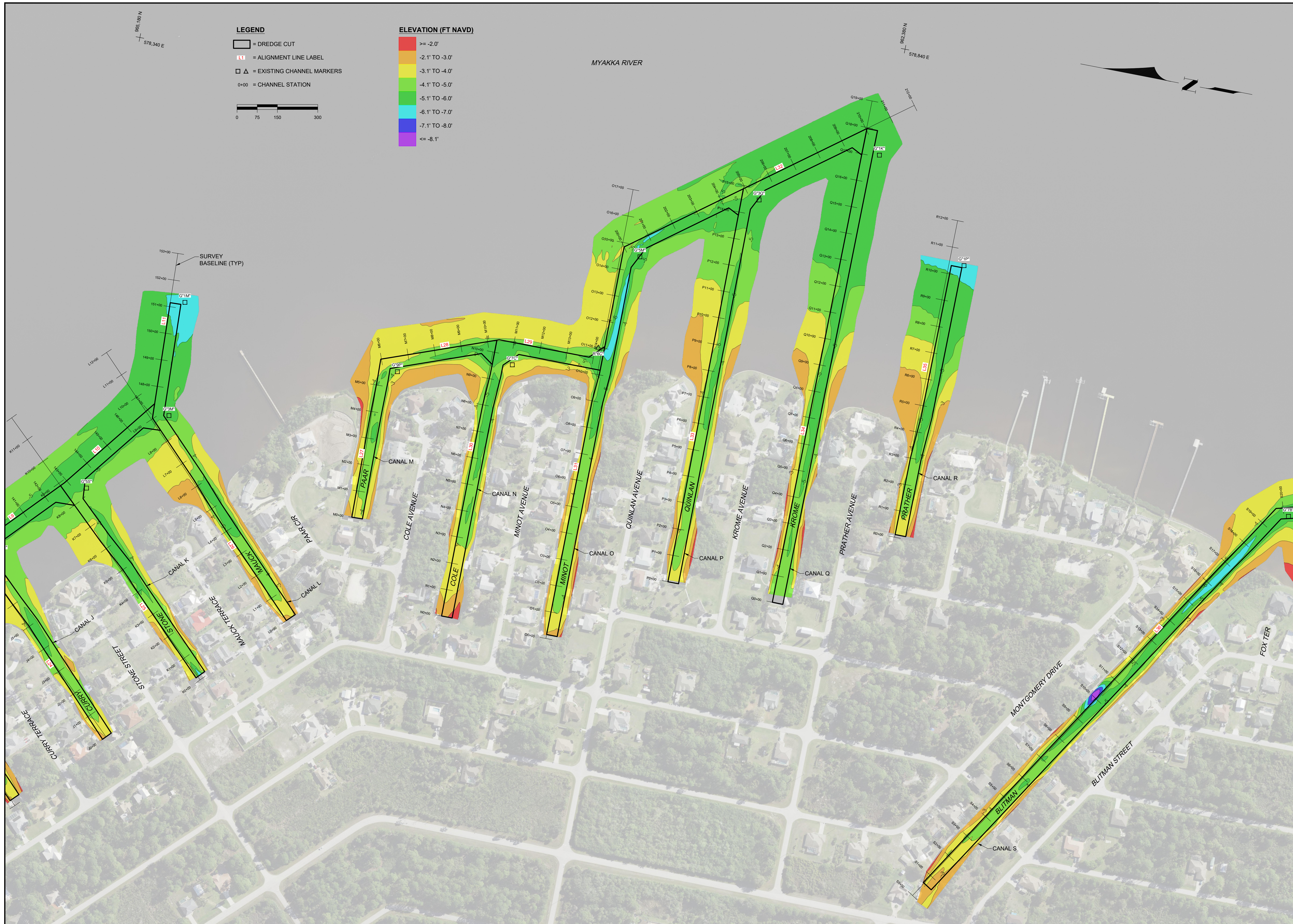
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CLIENT: CHARLOTTE COUNTY
TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY DETAILED PLAN VIEW

DATE: 6/29/2023
SCALE: AS NOTED
DRAWN: SDB F.B.
CHECKED: GVT PG.
SEC.: TWP. RING.
ACAD. NO.: 23075-PLAN.dwg
REF. NO.: 23,075 NO. DATE BY REVISION DESCRIPTION

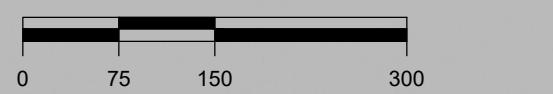
SHEET 2
 FILE NO.: 23075-GC-2

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LEGEND

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- △ = EXISTING CHANNEL MARKERS
- 0+00 = CHANNEL STATION



ELEVATION (FT NAVD)

- >=-2.0'
- 2.1' TO -3.0'
- 3.1' TO -4.0'
- 4.1' TO -5.0'
- 5.1' TO -6.0'
- 6.1' TO -7.0'
- 7.1' TO -8.0'
- <=-8.1'

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CLIENT: CHARLOTTE COUNTY

TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY DETAILED PLAN VIEW

DATE: 6/29/2023 **SCALE:** AS NOTED

DRAWN: SDB F.B. **CHECKED:** GVT PG.

SEC.: TWP. **ACAD NO.:** 23075-PLAN.dwg **REF. NO.:** 23.075

NO.: **DATE:** **BY:**

REVISION DESCRIPTION:

COASTAL ENGINEERING CONSULTANTS INC.
 Serving Coastal Communities Since 1977
 28421 BONITA CROSSINGS BLVD.
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SHEET 3
FILE NO.: 23075-GC-3



LEGEND

- = DREDGE CUT
- L1 = ALIGNMENT LINE LABEL
- Δ = EXISTING CHANNEL MARKERS
- 0+00 = CHANNEL STATION

ELEVATION (FT NAVD)

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- 2.1' TO -3.0'
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- 6.1' TO -7.0'
- 7.1' TO -8.0'
- <= -8.1'

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CLIENT: CHARLOTTE COUNTY

TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY DETAILED PLAN VIEW

DATE: 6/29/2023 **SCALE:** AS NOTED

DRAWN: SDB **F.B.:** SDB

CHECKED: GVT **P.G.:** GVT

SEC.: TWP. **RNG.:** RING.

ACAD NO.: 23075-PLAN.dwg



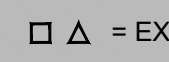
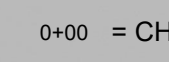
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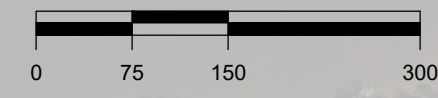
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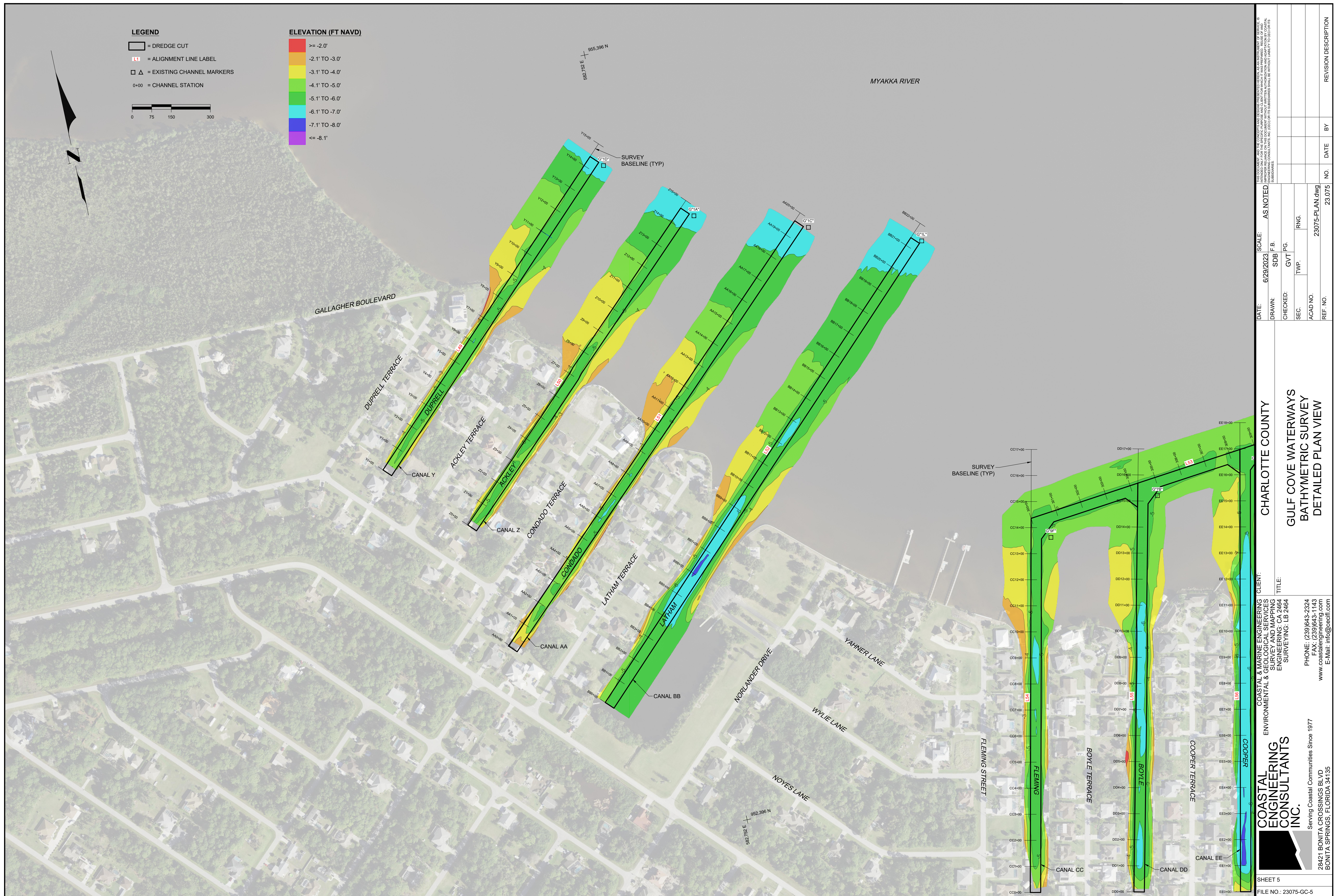
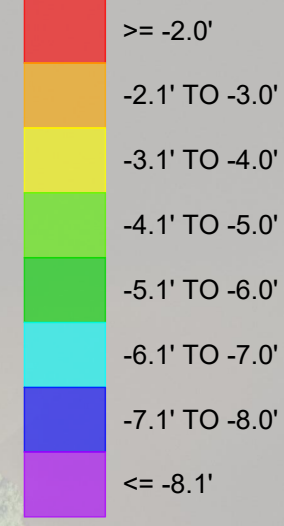
SHEET 4
FILE NO.: 23075-GC-4

LEGEND

-  = DREDGE CUT
-  = ALIGNMENT LINE LABEL
-  = EXISTING CHANNEL MARKERS
-  = CHANNEL STATION



ELEVATION (FT NAVD)



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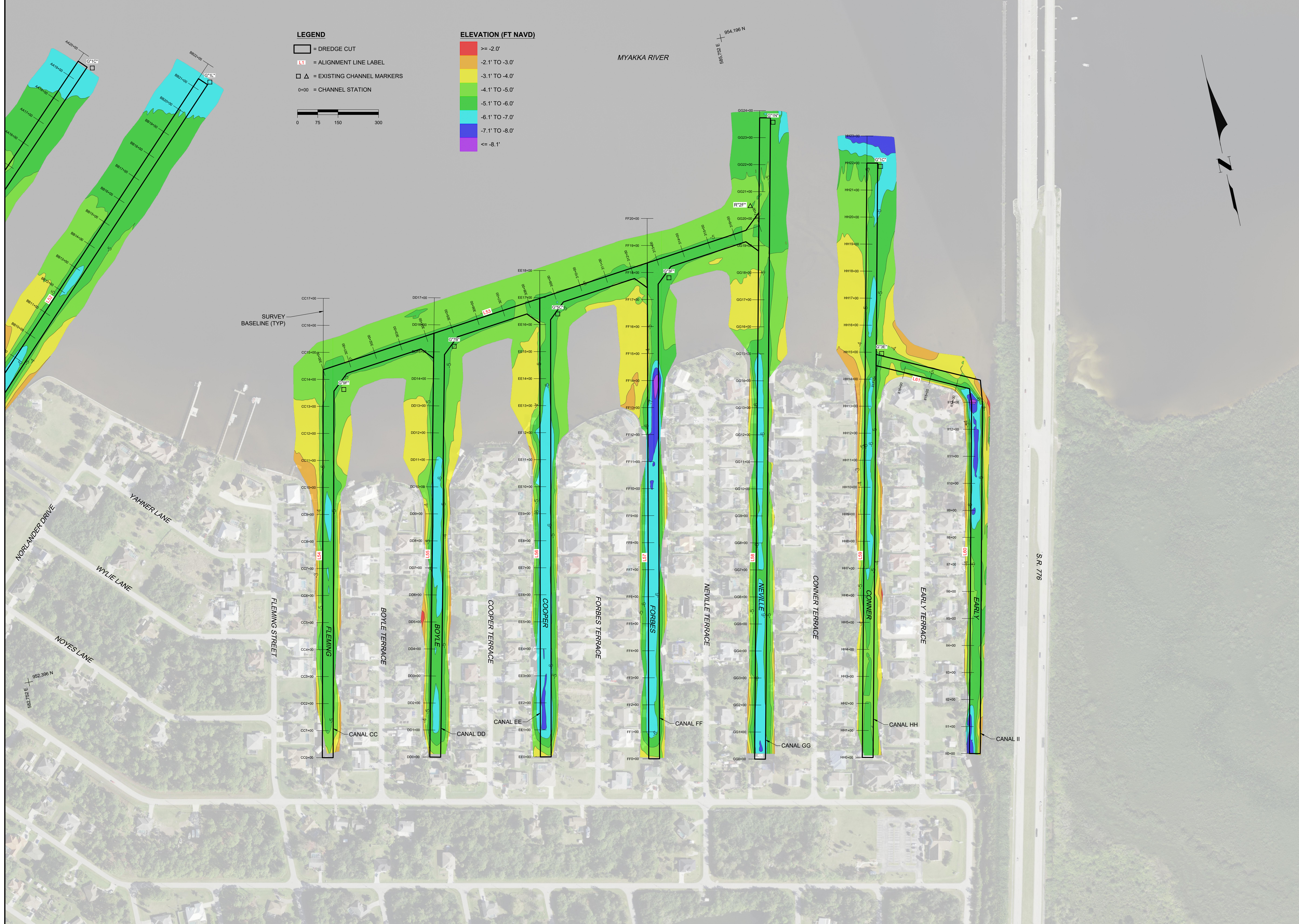
CLIENT: CHARLOTTE COUNTY
TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY DETAILED PLAN VIEW

DATE: 6/29/2023 **SCALE:** AS NOTED
DRAWN: SDB F.B. **CHECKED:** GVT PG.
SEC: TWP. **ACAD NO.:** 23075-PLAN.dwg
REF. NO.: 23.075 **NO.:** 23.075 **DATE:** BY

COASTAL ENGINEERING CONSULTANTS, INC.
 Serving Coastal Communities Since 1977
 28421 BONITA CROSSINGS BLVD.
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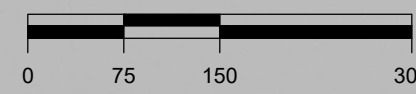
COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464

SHEET 5
 FILE NO.: 23075-GC-5



LEGEND

- = DREDGE CUT
- L1 = ALIGNMENT LINE LABEL
- = EXISTING CHANNEL MARKERS
- 0+00 = CHANNEL STATION



ELEVATION (FT NAVD)

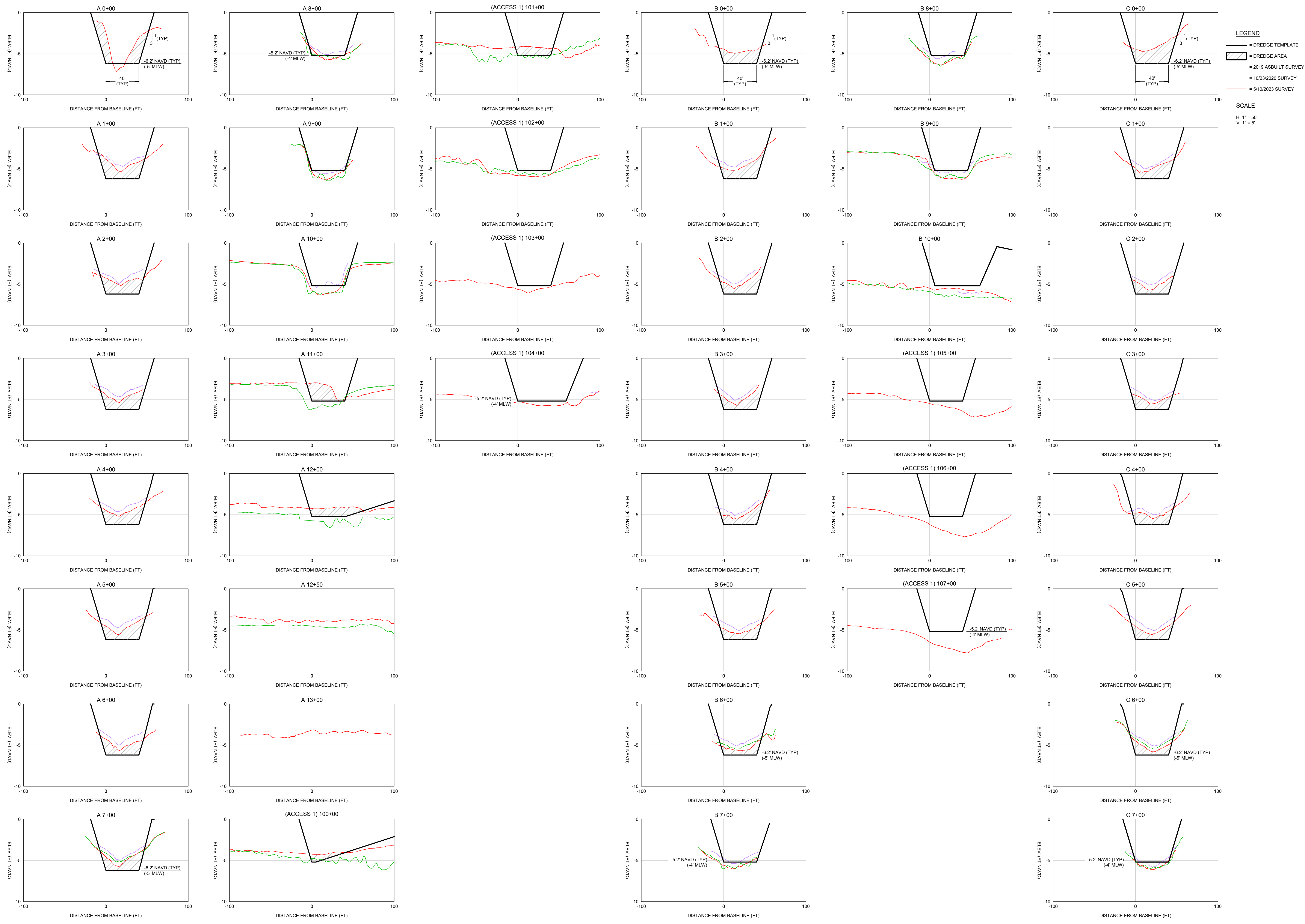
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- 2.1' TO -3.0'
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- 7.1' TO -8.0'
- <= -8.1'

COASTAL ENGINEERING CONSULTANTS INC.
 Serving Coastal Communities Since 1977
 28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135

CLIENT: CHARLOTTE COUNTY
TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY DETAILED PLAN VIEW

DATE:	6/29/2023	SCALE:	AS NOTED	DATE:	23.075
DRAWN:	SDB	CHECKED:	GVJ	DATE:	BY
SEC.	TWP.	ACAD NO.	23075-PLAN.dwg	NO.	23.075
REF. NO.		REVISION DESCRIPTION			

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CHARLOTTE COUNTY
GULF COVE WATERWAYS
BATHYMETRIC SURVEY
CROSS SECTIONS: A 0+00 TO C 7+00

CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEYING, INC. 2464
ENGINEERING: SURVEYING, LB 2464
PHONE: (239) 663-2324
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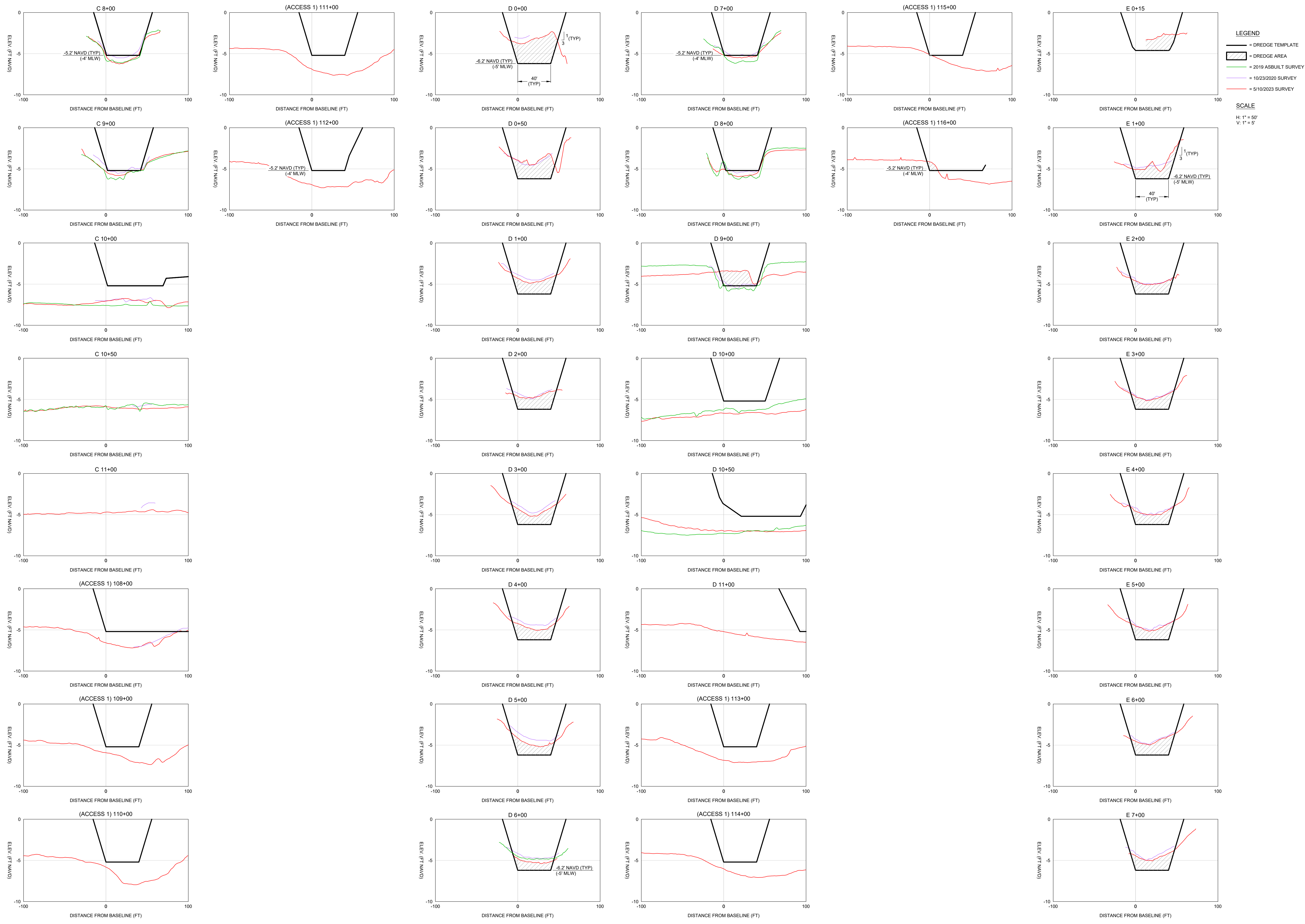
DATE: 6/29/2023
SCALE: AS NOTED
DRAWN: SDB F.B.
CHECKED: GVT PG.
SEC.: TWP.
ACAD. NO.: 23075-AREA1-XSECT.dwg
REF. NO.: 23.075

NO.: 23.075
DATE:
BY:

REVISION DESCRIPTION:

COASTAL ENGINEERING CONSULTANTS INC.
 Serving Coastal Communities Since 1977
 28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135

SHEET 7
 FILE NO.: 23075-GC-7



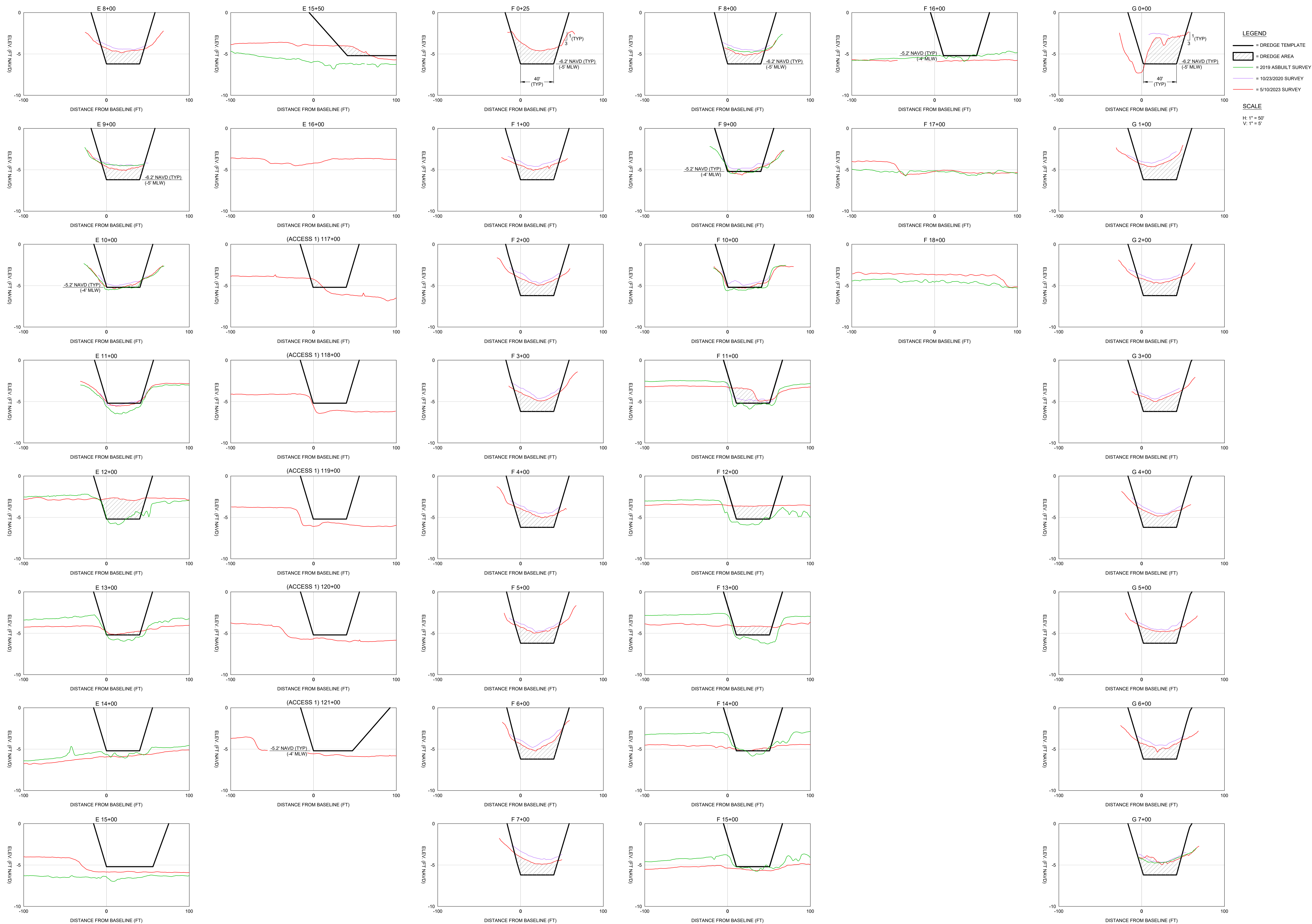
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CLIENT: CHARLOTTE COUNTY
TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: C 8+00 TO E+700

DATE: 6/29/2023	SCALE: AS NOTED
DRAWN: SDB	F.B.: SDB
CHECKED: GVT	PG.: GVT
SEC.: TWP.	RNG.: TWP.
ACAD NO.: 23075-AREA1-XSECT.dwg	NO.: 23 075
REF. NO.:	BY:
	DATE:
	REVISION DESCRIPTION:

COASTAL ENGINEERING CONSULTANTS, INC.
 Serving Coastal Communities Since 1977
 28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135
 PHONE: (239) 643-2324
 FAX: (239) 643-1143
 www.coastal-engineering.com
 E-Mail: info@cecinc.com

FILE NO.: 23075-GC-8
SHEET 8



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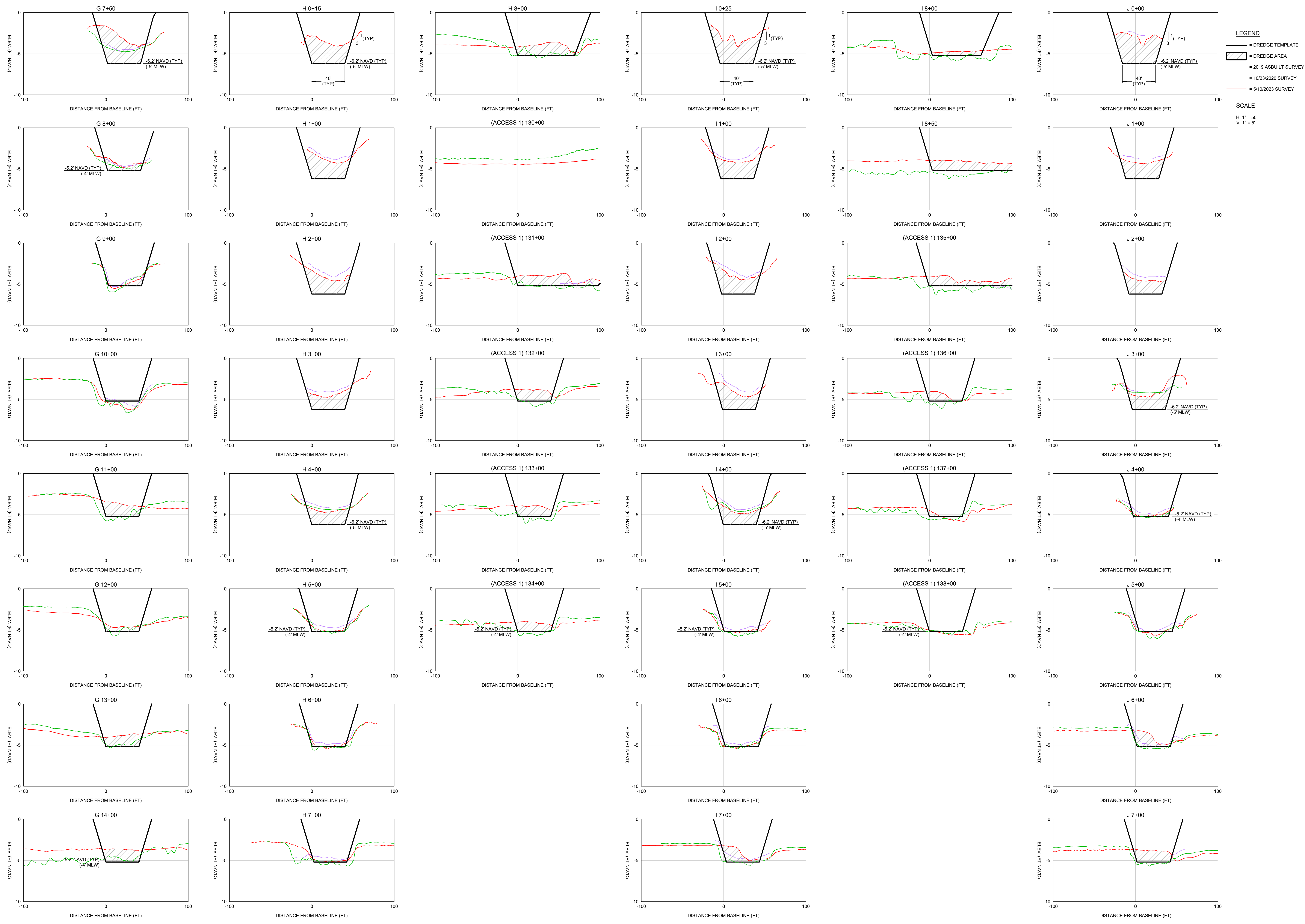
CLIENT: CHARLOTTE COUNTY
TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: E 8+00 TO G 7+00

DATE: 6/29/2023
SCALE: AS NOTED
DRAWN: SDB
CHECKED: GVT
SEC.: TWP.
ACAD. NO.: 23075-AREA1-XSECT.dwg
REF. NO.: 23.075

PHONE: (239) 643-2324
FAX: (239) 643-1143
WWW: www.coastal-engineering.com
E-MAIL: info@cecinc.com

COASTAL ENGINEERING CONSULTANTS, INC.
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 BONITA SPRINGS, FLORIDA 34135

NO.	DATE	BY	REVISION DESCRIPTION
1			



LEGEND
 — = DREDGE TEMPLATE
 ▨ = DREDGE AREA
 — = 2019 ASBUILT SURVEY
 — = 10/23/2020 SURVEY
 — = 5/10/2023 SURVEY

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

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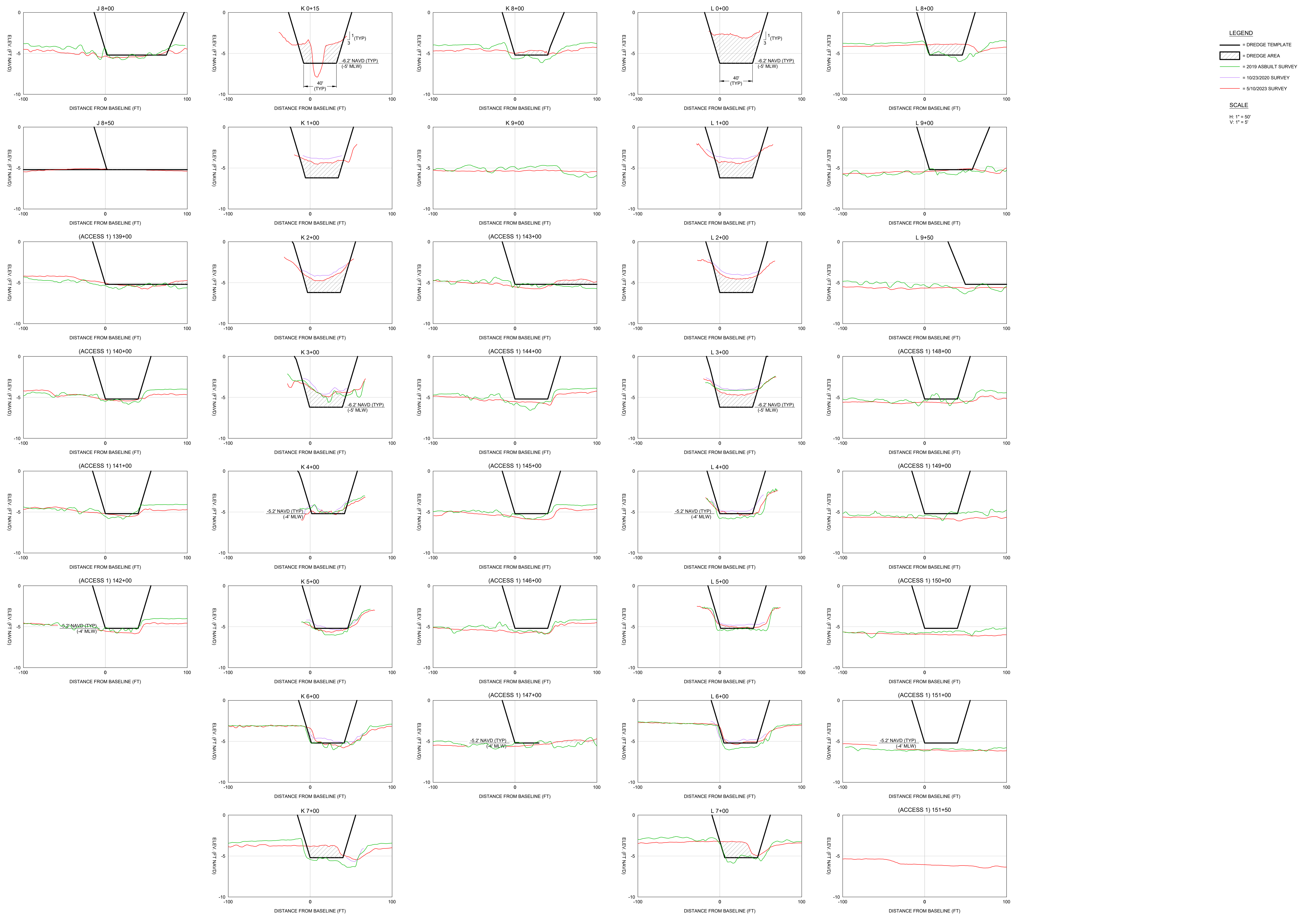
CLIENT: CHARLOTTE COUNTY
TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: G 7+50 TO J 7+00

DATE: 6/29/2023	SCALE: AS NOTED
DRAWN: SDB	F.B.: SDB
CHECKED: GVT	PG.: GVT
SEC.: TYP.	RNG.: TYP.
ACAD NO.: 23075-AREA1-XSECT.dwg	NO.: 23.075
REF. NO.:	BY:
	DATE:
	REVISION DESCRIPTION:

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 28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135
 PHONE: (239) 643-2324
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COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464

SHEET 10
 FILE NO.: 23075-GC-10



LEGEND

- = DREDGE TEMPLATE
- = DREDGE AREA
- = 2019 ASBUILT SURVEY
- = 10/23/2020 SURVEY
- = 5/10/2023 SURVEY

SCALE

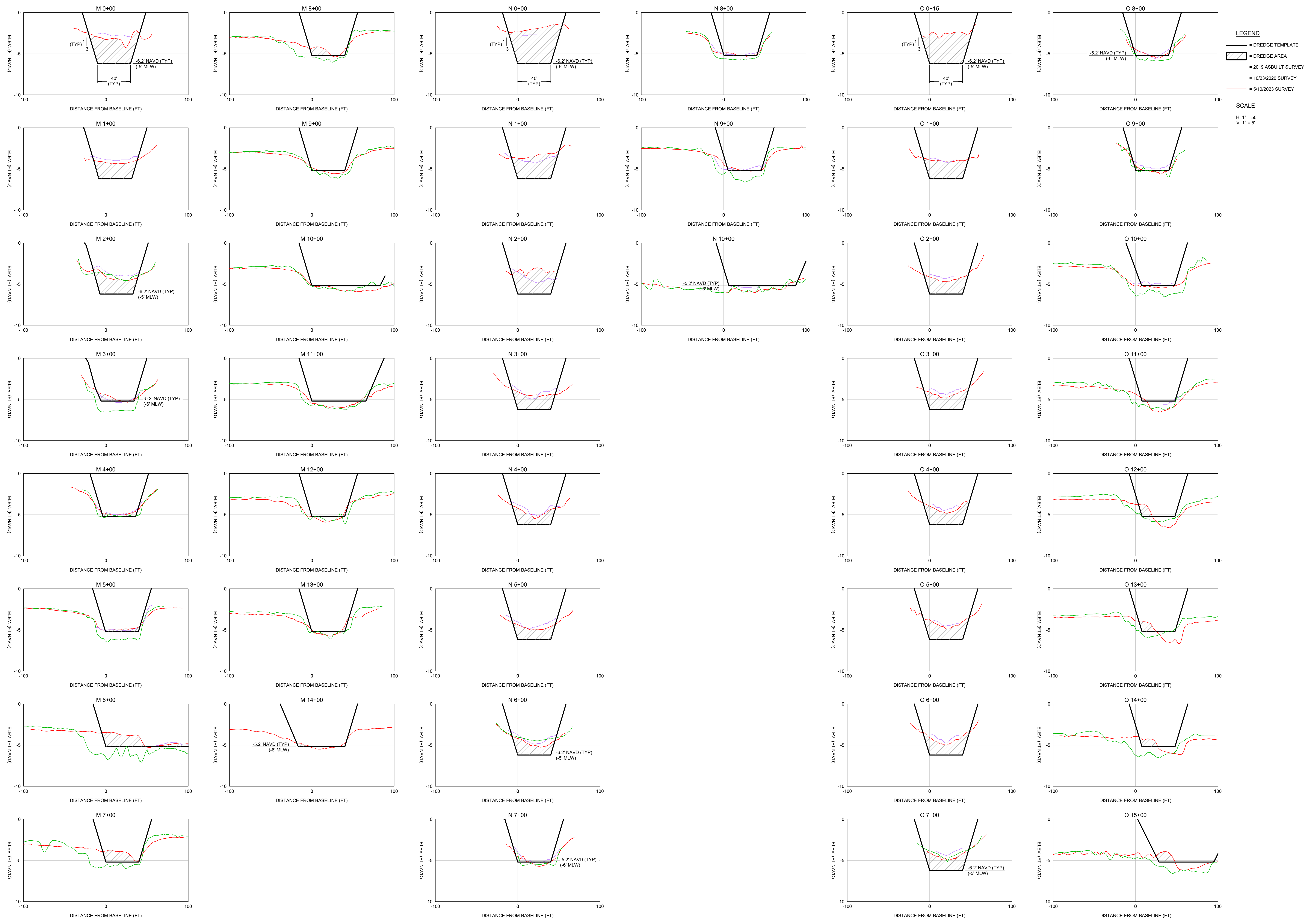
H: 1" = 50'
V: 1" = 5'

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DATE:	6/29/2023	SCALE:	AS NOTED	CLIENT:	CHARLOTTE COUNTY
DRAWN:	SDB	F.B.		CLIENT:	GULF COVE WATERWAYS
CHECKED:	GVT	PG.		TITLE:	BATHYMETRIC SURVEY
SEC.	TWP.	RNG.		PROJECT:	CROSS SECTIONS: J 8+00 TO ACCESS 1 151+50
ACAD NO.	23075-AREA1-XSECT.dwg			PHONE:	(239) 643-2324
REF. NO.	23 075			FAX:	(239) 643-1143
				WWW:	www.coastal-engineering.com
				E-MAIL:	info@cecinc.com

COASTAL ENGINEERING CONSULTANTS, INC. Serving Coastal Communities Since 1977
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BONITA SPRINGS, FLORIDA 34135

SHEET 11
FILE NO.: 23075-GC-11



LEGEND

- = DREDGE TEMPLATE
- ▨ = DREDGE AREA
- = 2019 ASBUILT SURVEY
- = 10/23/2020 SURVEY
- = 5/10/2023 SURVEY

SCALE

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

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 28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135
 PHONE: (239) 643-2324
 FAX: (239) 643-1143
 www.coastal-engineering.com
 E-Mail: info@cecinc.com

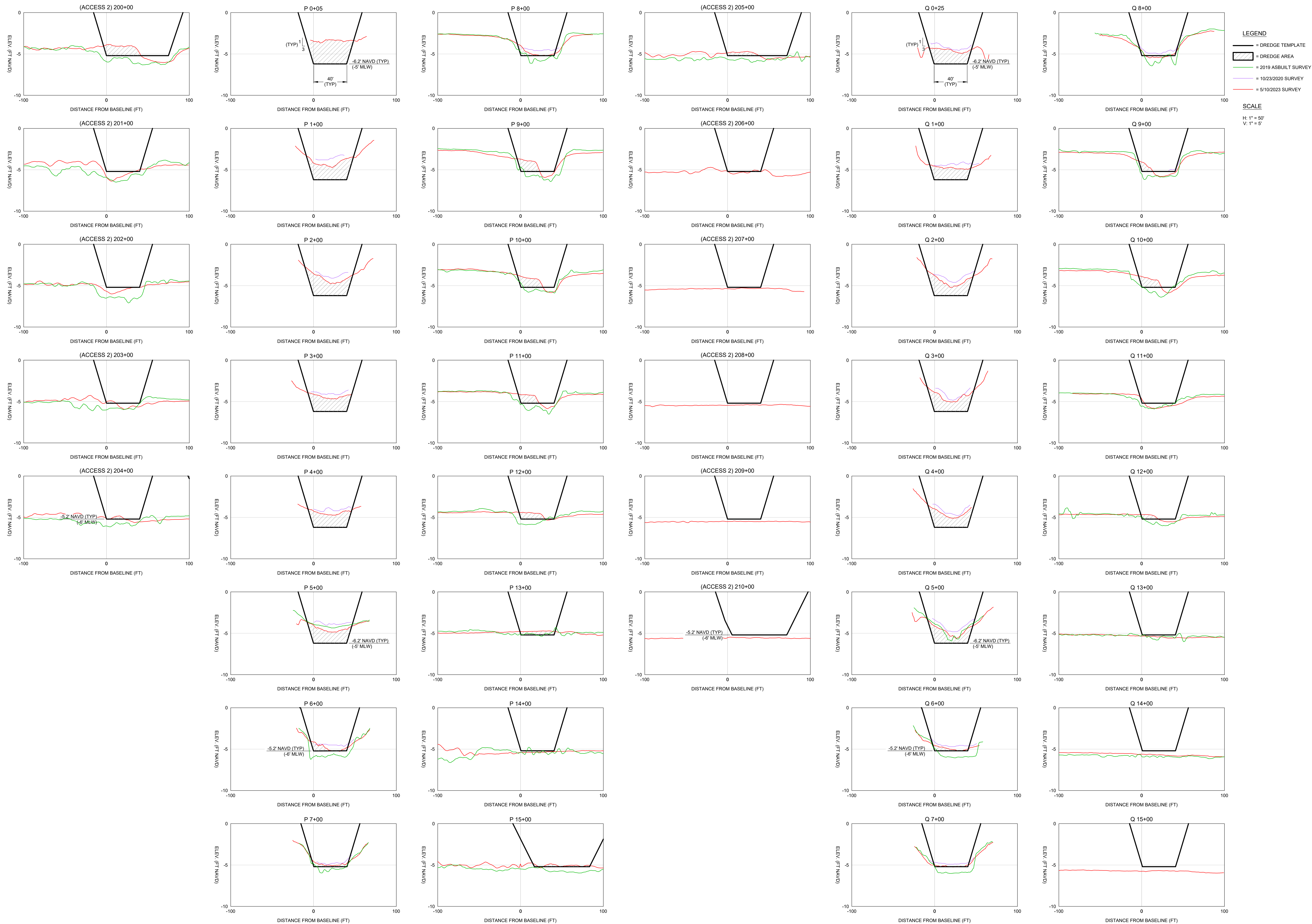
CLIENT: CHARLOTTE COUNTY
 GULF COVE WATERWAYS
 BATHYMETRIC SURVEY
 CROSS SECTIONS: M 0+00 TO O 15+00

DATE: 6/29/2023
 DRAWN: SDB
 CHECKED: GVT
 SEC: TYP
 ACAD NO: 23075-AREA2-XSECT.dwg
 REF. NO: 23.075

SCALE: AS NOTED
 SDB F.B.
 GVT PG.
 RING.

NO.	DATE	BY	REVISION DESCRIPTION

SHEET 12
 FILE NO.: 23075-AREA2-12



CHARLOTTE COUNTY
GULF COVE WATERWAYS
BATHYMETRIC SURVEY
CROSS SECTIONS: ACCESS 2 200+00 TO Q 15+00

CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464
TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: ACCESS 2 200+00 TO Q 15+00
PHONE: (239) 663-2324
FAX: (239) 663-1143
WWW: www.coastal-engineering.com
E-MAIL: info@cecinc.com

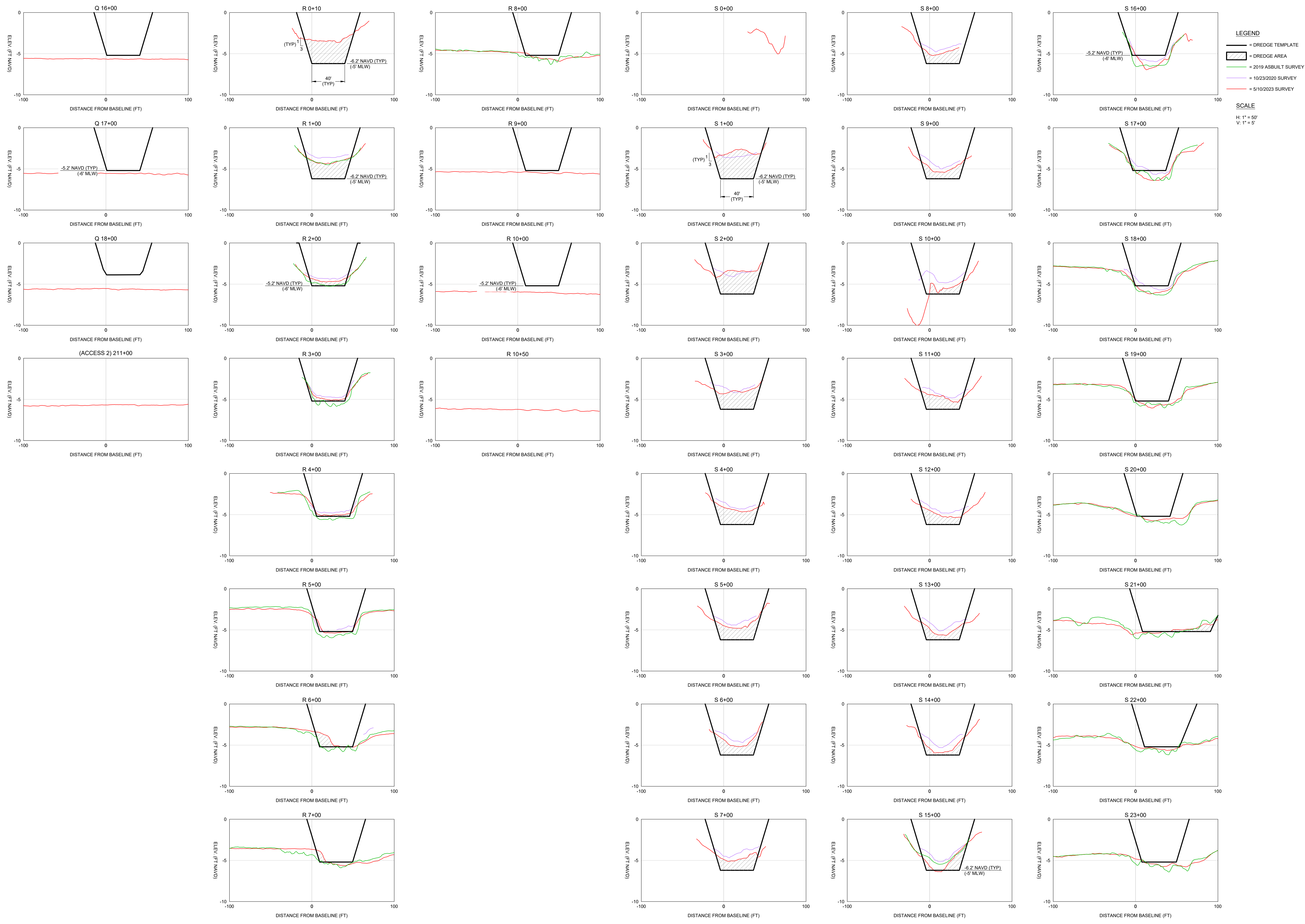
DATE: 6/29/2023
DRAWN: SDB F.B.
CHECKED: GVT PG.
SEC. NO.: TYP.
ACAD. NO.: 23075-AREA2-XSECT.dwg
REF. NO.: 23.075

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

LEGEND
 — DREDGE TEMPLATE
 ▨ DREDGE AREA
 — 2019 ASBUILT SURVEY
 — 10/23/2020 SURVEY
 — 5/10/2023 SURVEY

REVISION DESCRIPTION

NO.	DATE	BY
1		
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LEGEND

- = DREDGE TEMPLATE
- ▨ = DREDGE AREA
- = 2019 ASBUILT SURVEY
- = 10/23/2020 SURVEY
- = 5/10/2023 SURVEY

SCALE

H: 1" = 50'

V: 1" = 5'

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CLIENT: CHARLOTTE COUNTY

TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: Q 16+00 TO S 23+00

DATE: 6/29/2023 **SCALE:** AS NOTED

DRAWN: SDB F.B. **CHECKED:** GVT PG.

SEC.: TWP. **ACAD NO.:** 23075-AREA2-XSECT.dwg

REF. NO.: 23.075

NO.: 23.075

DATE:

BY:

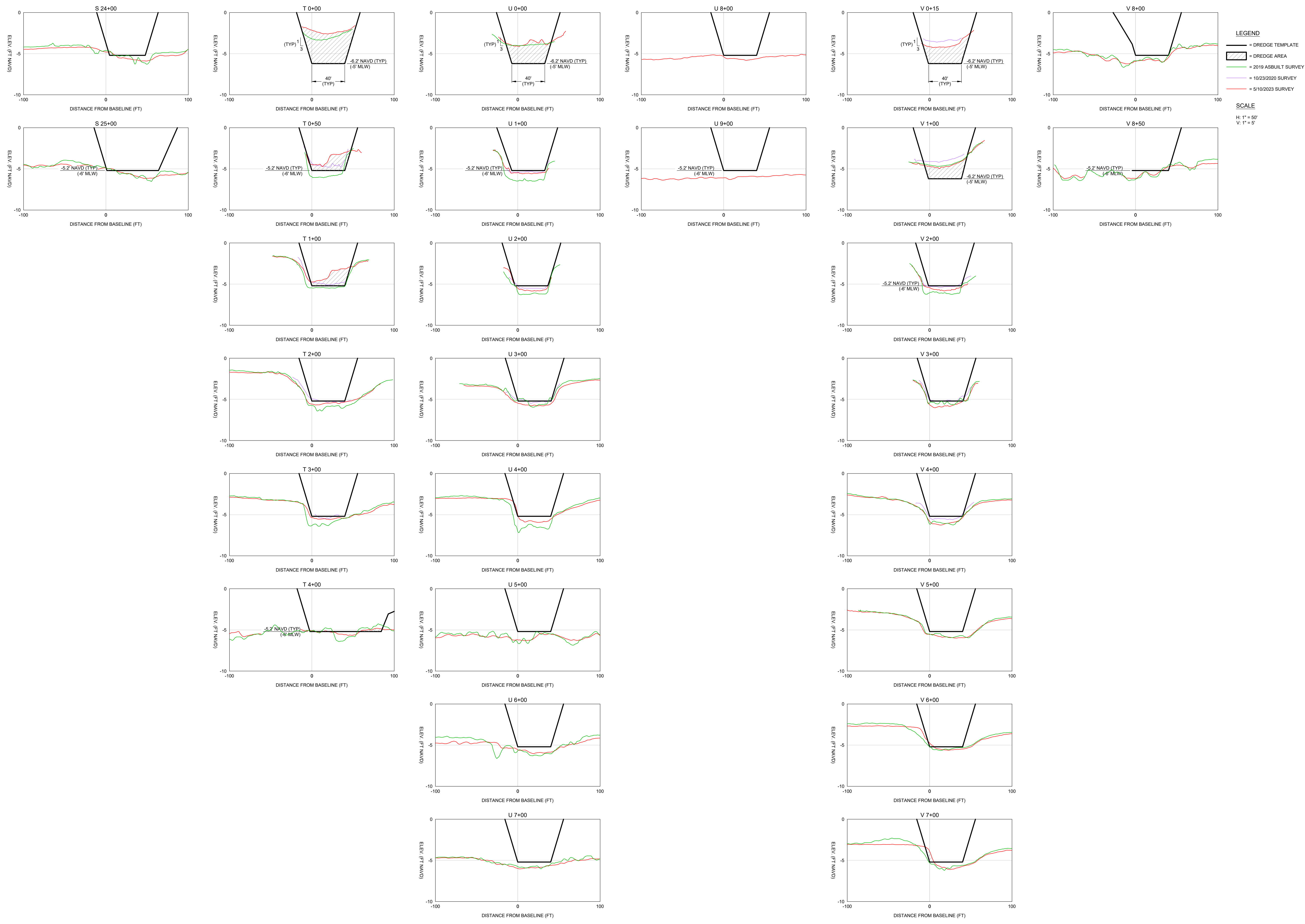
REVISION DESCRIPTION:

COASTAL ENGINEERING CONSULTANTS INC.
 Serving Coastal Communities Since 1977
 28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135

PHONE: (239) 643-2324
FAX: (239) 643-1143
WWW: coastalengineering.com
E-MAIL: info@cecinc.com

SHEET 14

FILE NO.: 23075-AREA2-14



COASTAL & MARINE ENGINEERING SERVICES
 ENVIRONMENTAL & GEOLOGICAL SERVICES
 SURVEY AND MAPPING
 ENGINEERING, CA 2464
 SURVEYING, LB 2464

CHARLOTTE COUNTY
 GULF COVE WATERWAYS
 BATHYMETRIC SURVEY
 CROSS SECTIONS: 24+00 TO V 8+50

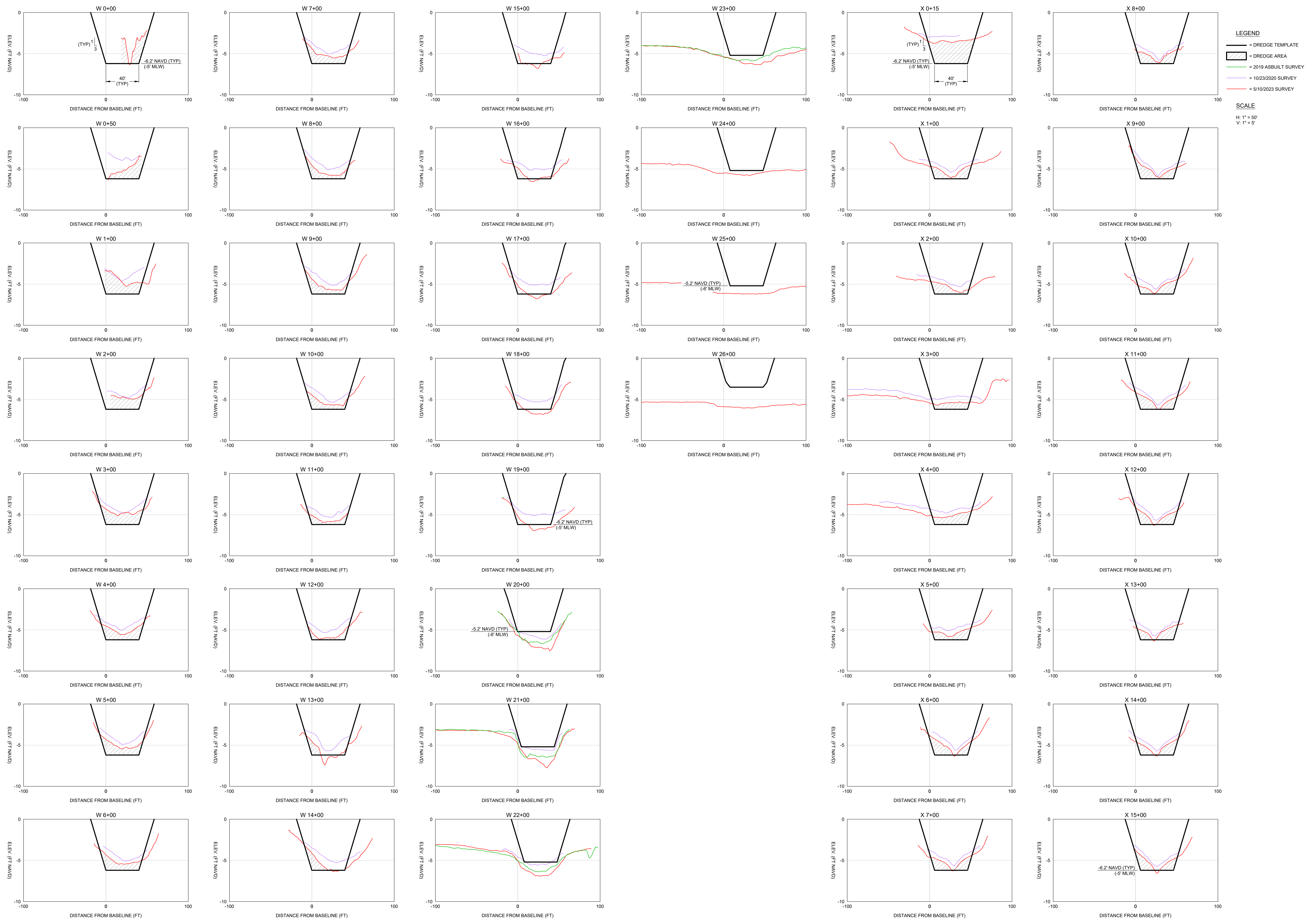
DATE: 6/29/2023
 SCALE: AS NOTED
 DRAWN: SDB
 CHECKED: GVT
 SEC: TYP
 ACAD NO: 23075-AREA2-XSECT.dwg
 REF. NO: 23.075

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 FAX: (239) 643-1143
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 BONITA SPRINGS, FLORIDA 34135

NO.	DATE	BY	REVISION DESCRIPTION

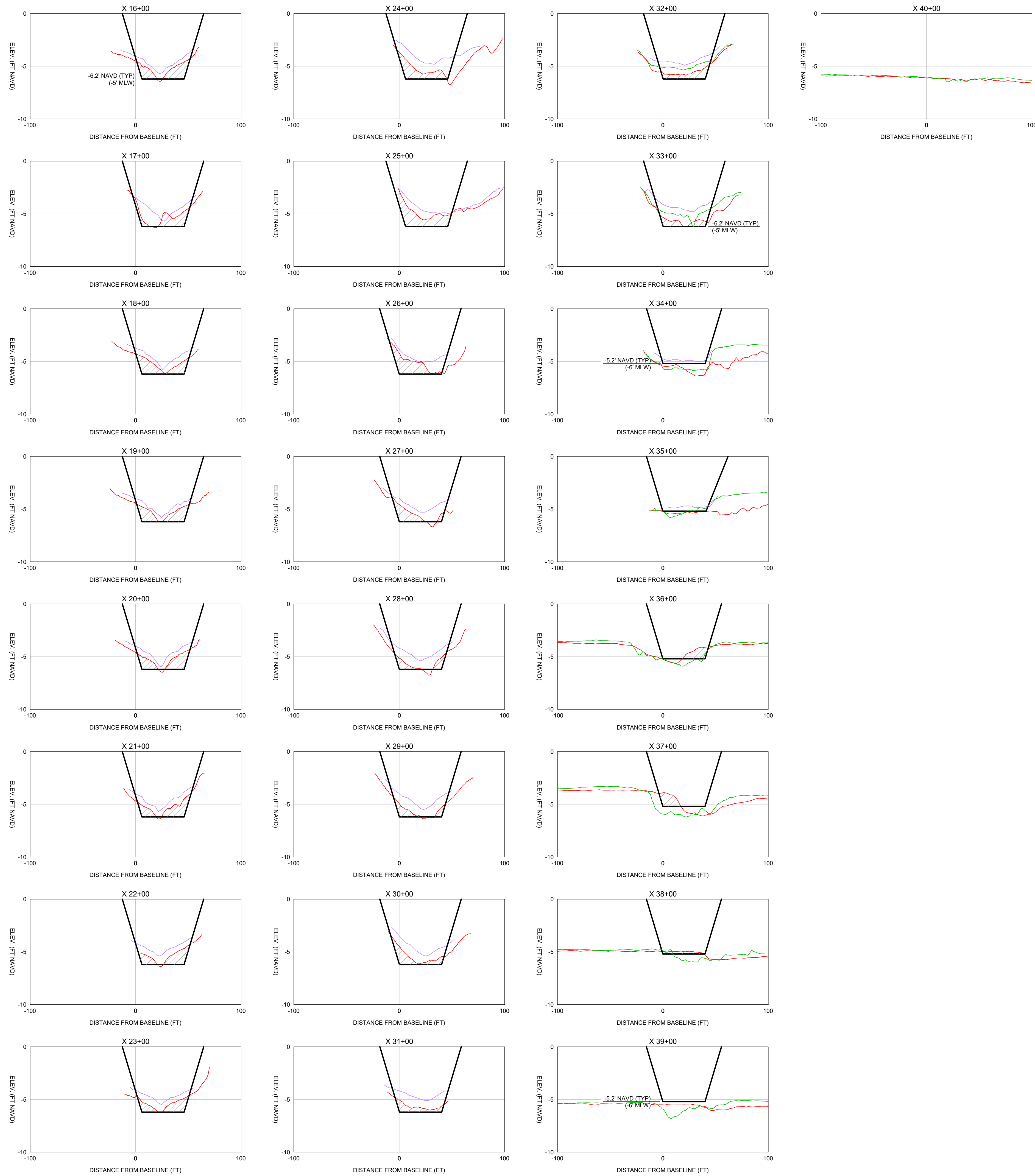
SHEET 15
 FILE NO.: 23075-AREA2-15



CHARLOTTE COUNTY
GULF COVE WATERWAYS
BATHYMETRIC SURVEY
CROSS SECTIONS: W 0+00 TO X 15+00

DATE:	6/29/2023	SCALE:	AS NOTED	CLIENT:	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464
DRAWN:	SDB	F.B.		PHONE:	(239) 643-2324
CHECKED:	GVT	PG.		FAX:	(239) 643-1143
SEC.	TWP.	RNG.		WWW:	www.coastal-engineering.com
ACAD NO.	23075-AREA2-XSECT.dwg			E-MAIL:	info@cecil.com
REF. NO.	23.075	NO.		Serving Coastal Communities Since 1977	
BY		DATE		28421 BONITA CROSSINGS BLVD. BONITA SPRINGS, FLORIDA 34135	
REVISION DESCRIPTION					

SHEET 16
 FILE NO.: 23075-AREA2-16



LEGEND

- = DREDGE TEMPLATE
- = DREDGE AREA
- = 2019 ASBUILT SURVEY
- = 10/23/2020 SURVEY
- = 5/10/2023 SURVEY

SCALE

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

DATE:	6/29/2023	SCALE:	AS NOTED
DRAWN:	SDB	F.B.	
CHECKED:	GVT	PG.	
SEC.	TWP.	RNG.	
ACAD NO.	23075-AREA2-XSECT.dwg		
REF. NO.	23.075	NO.	
		DATE	BY

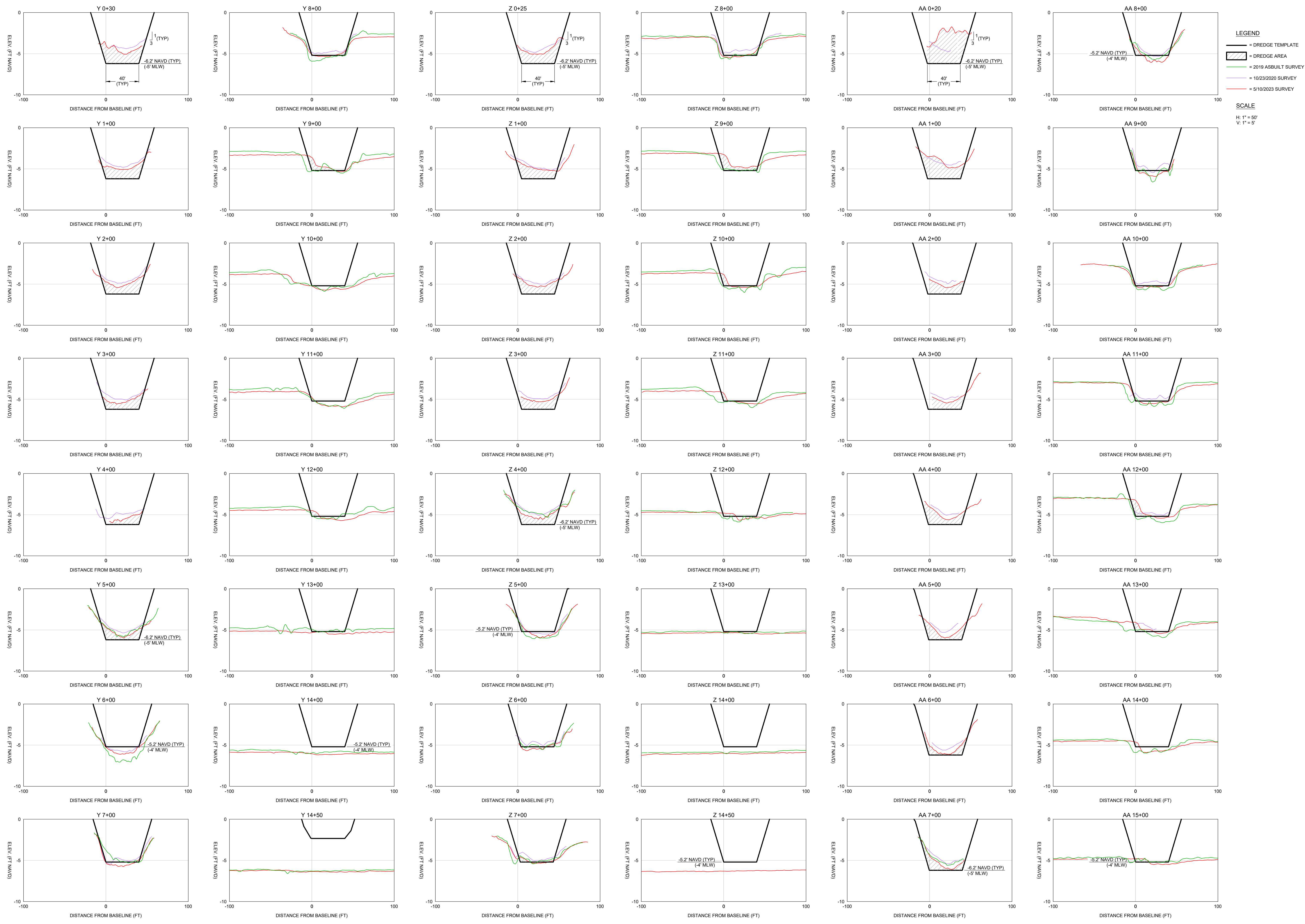
CLIENT: **CHARLOTTE COUNTY**

TITLE: **GULF COVE WATERWAYS
BATHYMETRIC SURVEY
CROSS SECTIONS: X 16+00 TO X 40+00**

COASTAL & MARINE ENGINEERING
ENVIRONMENTAL & GEOLOGICAL SERVICES
SURVEY AND MAPPING
ENGINEERING, CA 2464
SURVEYING, LB 2464

PHONE: (239) 663-2324
FAX: (239) 663-1143
www.coastal-engineering.com
E-Mail: info@cecinc.com

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BONITA SPRINGS, FLORIDA 34135



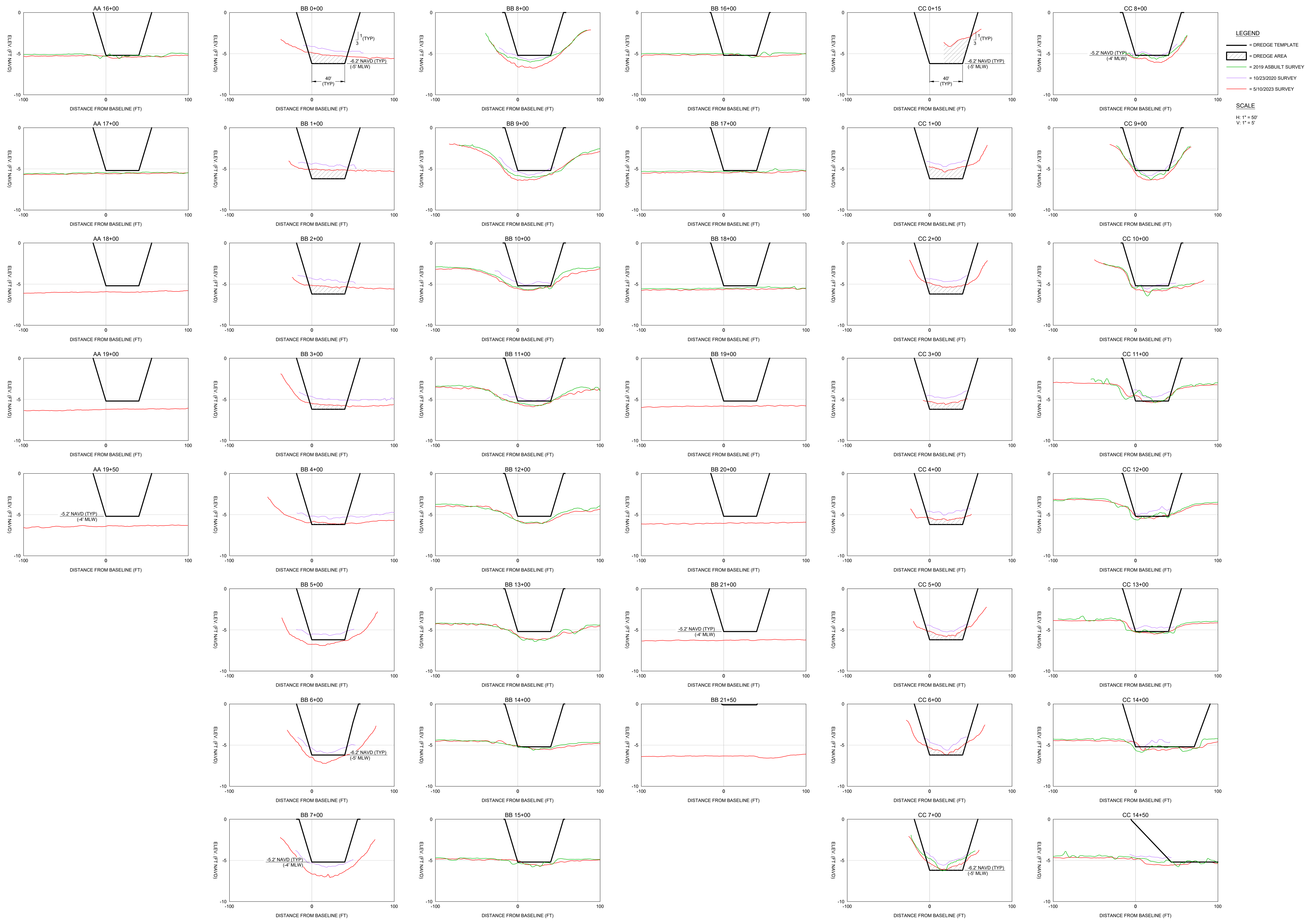
CHARLOTTE COUNTY
GULF COVE WATERWAYS
BATHYMETRIC SURVEY
CROSS SECTIONS: Y 0+30 TO AA 15+00

DATE: 6/29/2023 SCALE: AS NOTED
 DRAWN: SDB F.B.
 CHECKED: GVT PG.
 SEC. TWP. RING.
 ACAD NO. 23075-AREA3-XSECT.dwg
 REF. NO. 23.075

CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464
 TITLE: PH: (239) 663-2324 FAX: (239) 663-1143 www.coastal-engineering.com E-Mail: info@cecinc.com

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 BONITA SPRINGS, FLORIDA, 34135

SHEET 18
 FILE NO.: 23075-AREA3-18



CHARLOTTE COUNTY
GULF COVE WATERWAYS
BATHYMETRIC SURVEY
CROSS SECTIONS: AA 16+00 TO CC 14+50

CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464
TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: AA 16+00 TO CC 14+50

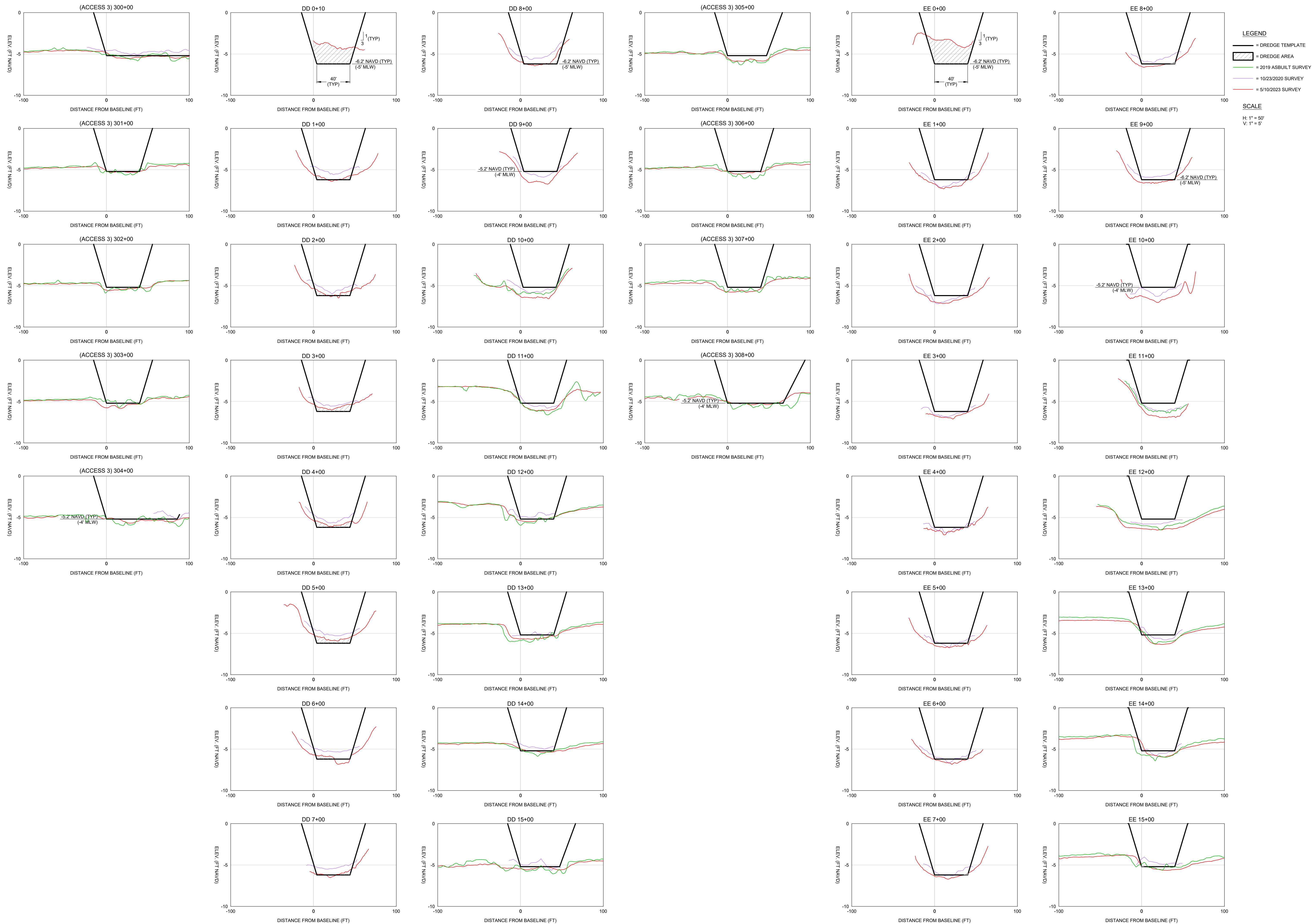
DATE: 6/29/2023
SCALE: AS NOTED
DRAWN: SDB F.B.
CHECKED: GVT PG.
SEC: TYP. RING.
ACAD NO: 23075-AREA3-XSECT.dwg
REF. NO: 23.075

PHONE: (239) 663-2324
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 www.coastal-engineering.com
 E-Mail: info@cecinc.com

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 BONITA SPRINGS, FLORIDA 34135

BY: _____
 DATE: _____
 NO. 23.075

REVISION DESCRIPTION



LEGEND

- = DREDGE TEMPLATE
- ▨ = DREDGE AREA
- = 2019 ASBUILT SURVEY
- = 10/23/2020 SURVEY
- = 5/10/2023 SURVEY

SCALE

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

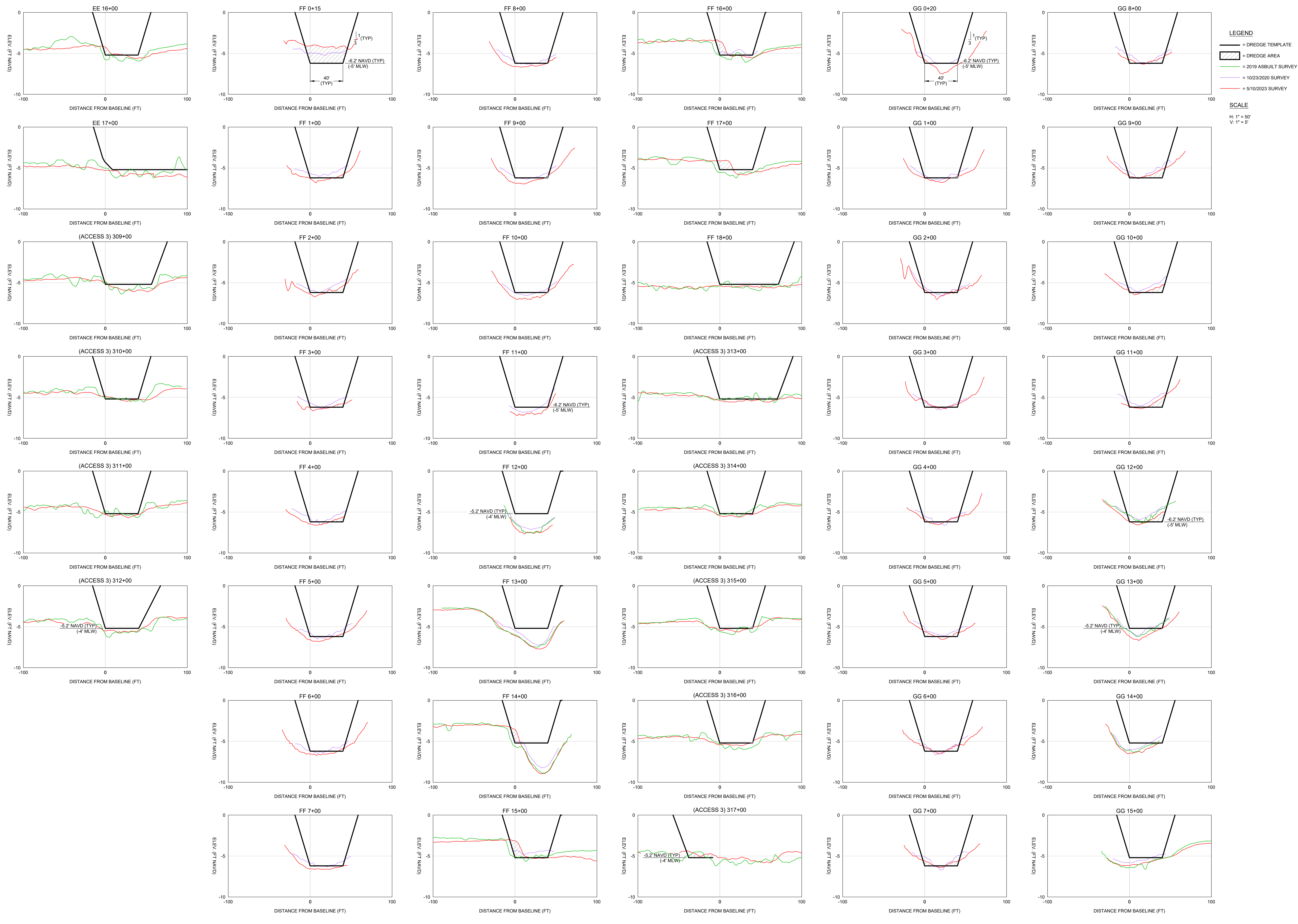
COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464
 PHONE: (239) 663-2324 FAX: (239) 663-1143 www.coastal-engineering.com
 28421 BONITA CROSSINGS BLVD. BONITA SPRINGS, FLORIDA 34135 E-Mail: info@cecinc.com

CHARLOTTE COUNTY
GULF COVE WATERWAYS
BATHYMETRIC SURVEY
CROSS SECTIONS: ACCESS 3 300+00 TO EE 15+00

CLIENT: CHARLOTTE COUNTY
 TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: ACCESS 3 300+00 TO EE 15+00

DATE:	6/29/2023	SCALE:	AS NOTED
DRAWN:	SDB	F.B.	
CHECKED:	GVT	PG.	
SEC.	TYP.	RNG.	
ACAD NO.	23075-AREA3-XSECT.dwg		
REF. NO.	23.075	NO.	BY
			DATE
			REVISION DESCRIPTION

SHEET 20
 FILE NO.: 23075-AREA3-20



CHARLOTTE COUNTY
GULF COVE WATERWAYS
BATHYMETRIC SURVEY
CROSS SECTIONS: EE 16+00 TO GG 15+00

CLIENT: COASTAL & MARINE ENGINEERING SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING, LB 2464
TITLE:

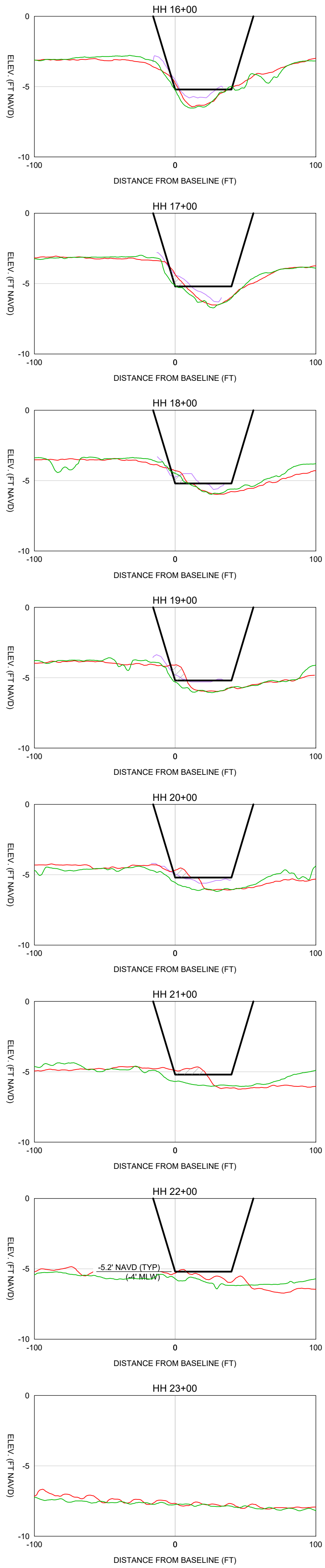
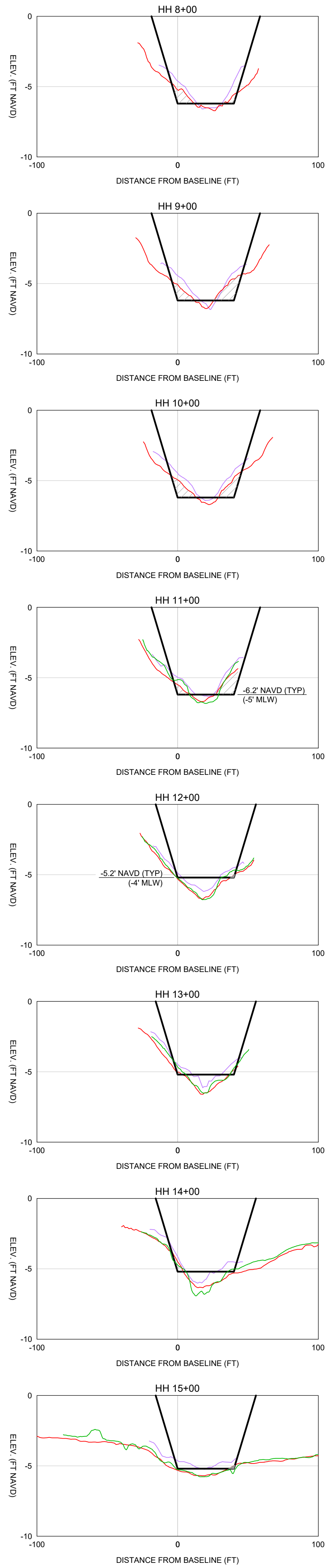
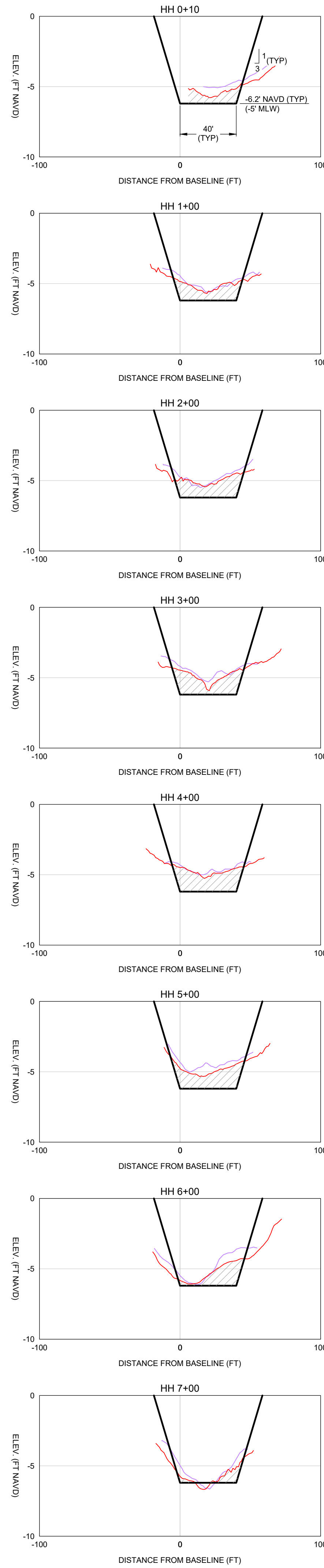
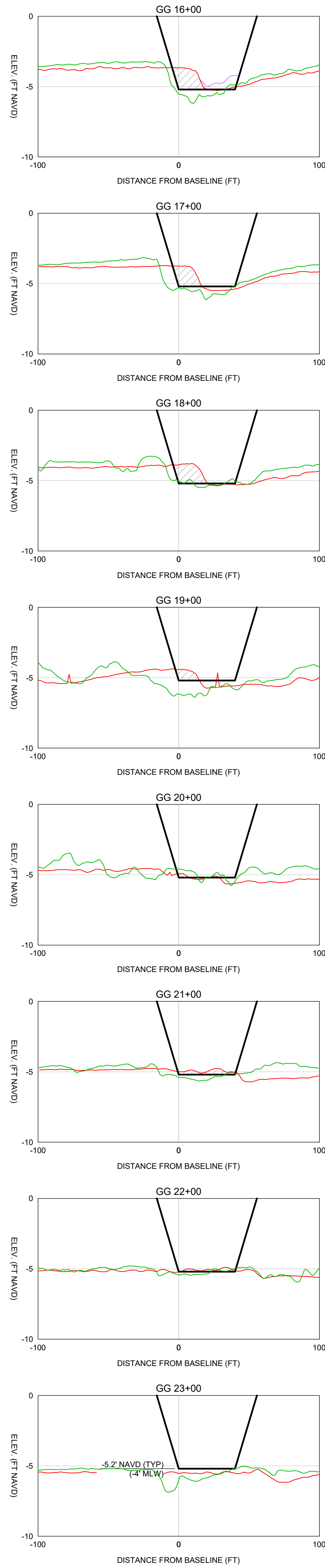
DATE: 6/29/2023 **SCALE:** AS NOTED
DRAWN: SDB F.B. **SEC:** TYP. **CHKD:** GVT PG. **ACAD NO.:** 23075-AREA3-XSECT.dwg
REF. NO.: 23.075

PHONE: (239) 643-2324 **WWW:** www.coastal-engineering.com
FAX: (239) 643-1143 **E-MAIL:** info@cecinc.com

COASTAL ENGINEERING CONSULTANTS INC.
 Serving Coastal Communities Since 1977
 28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135

NO.	DATE	BY	REVISION DESCRIPTION

SHEET 21
 FILE NO.: 23075-AREA3-21



LEGEND

- = DREDGE TEMPLATE
- ▨ = DREDGE AREA
- = 2019 ASBUILT SURVEY
- = 10/23/2020 SURVEY
- = 5/10/2023 SURVEY

SCALE

H: 1" = 50'

V: 1" = 5'

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DATE:	6/29/2023	SCALE:	AS NOTED
DRAWN:	SDB	F.B.	
CHECKED:	GVT	PG.	
SEC.	TWP.	RNG.	
ACAD NO.	23075-AREA3-XSECT.dwg		
REF. NO.	23.075	NO.	

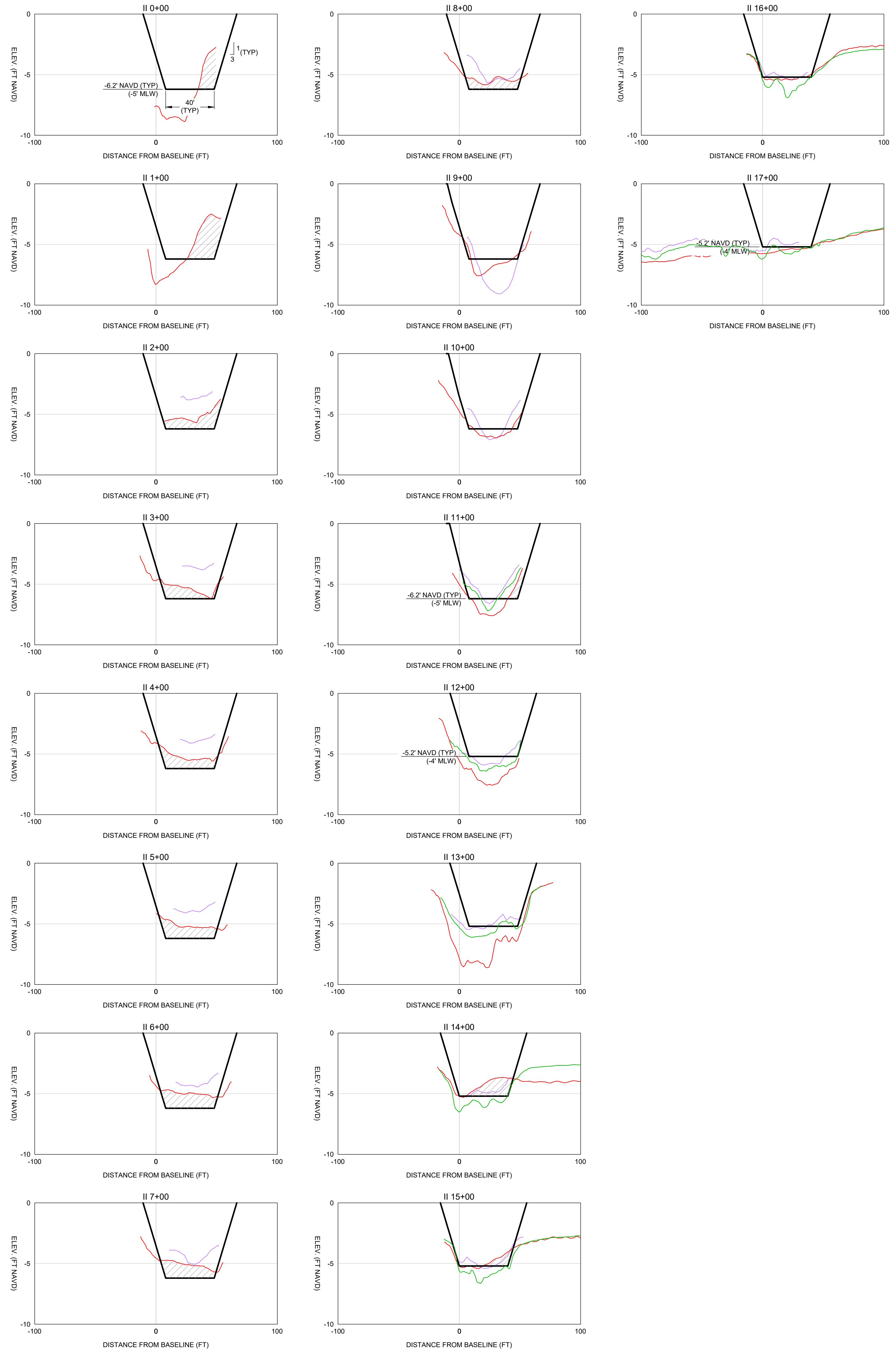
CLIENT: CHARLOTTE COUNTY

TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: GG 16+00 TO HH 23+00

COASTAL ENGINEERING CONSULTANTS, INC. Serving Coastal Communities Since 1977
28421 BONITA CROSSINGS BLVD.
BONITA SPRINGS, FLORIDA 34135

PHONE: (239) 643-2324
FAX: (239) 643-1143
www.coastalengineering.com
E-Mail: info@cecinc.com

NO.	DATE	BY	REVISION DESCRIPTION



LEGEND

- = DREDGE TEMPLATE
- ▨ = DREDGE AREA
- = 2019 ASBUILT SURVEY
- = 10/23/2020 SURVEY
- = 5/10/2023 SURVEY

SCALE

H: 1" = 50'

V: 1" = 5'

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CLIENT: CHARLOTTE COUNTY
TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: II 0+00 TO II 17+00

COASTAL ENGINEERING CONSULTANTS, INC.
 Serving Coastal Communities Since 1977
 28421 BONITA CROSSINGS BLVD.
 BONITA SPRINGS, FLORIDA 34135

PHONE: (239) 643-2324
 FAX: (239) 643-1143
 www.coastal-engineering.com
 E-Mail: info@cecinc.com

DATE: 6/29/2023	SCALE: AS NOTED
DRAWN: SDB	F.B.: SDB
CHECKED: GVT	PG.: RING
SEC.: TWP.	ACAD NO.: 23075-AREA3-XSECT.dwg
REF. NO.: 23.075	NO.: 23.075
DATE:	BY:
DATE:	REVISION DESCRIPTION:

SHEET 23
 FILE NO.: 23075-AREA3-23