

**MINUTES  
GULF COVE WATERWAY  
MUNICIPAL SERVICE BENEFIT UNIT (MSBU)**

**ADVISORY BOARD REGULAR MEETING  
THURSDAY, OCTOBER 19, 2023**

1:31 p.m. – 2:21 p.m.

**Mac V. Horton West County Annex, Room 120  
6868 San Casa Drive, Englewood, Florida**

**Members Present:** Clint Baker, Chair  
Leon Demere, Vice Chair  
Christine Carlomany  
Donna Draus  
James Wernicke

**Members Absent:** None

**County Staff:** Kellie Stewart, Community Liaison

**Guests:** None

**Call to Order / Roll Call:**

The meeting was called to order at 1:31 p.m. A roll call was taken, and a quorum was present.

**Changes to the Agenda / Motion to Approve Changes:**

Mr. Wernicke motioned to add exterior dredging under Unfinished Business to the agenda, which was seconded and unanimously approved.

**Citizen Input on Agenda Items (3 Minute Limit):**

None

**Approval of Minutes:**

The minutes from April 14, 2023, were unanimously approved as written.

**Unfinished Business:**

- a) Interior Dredge – Bathymetric Survey and Design: The Advisory Board discussed the background of the interior dredging project, highlighting issues regarding the spoil location(s) and hauling of the spoil, noting the Myakka Park site was unable to be utilized. Ms. Stewart provided the update that the final dredge design is underway. Discussion ensued. Ms. Stewart also reported that the Florida Department of Emergency Management (FDEM) has withdrawn from navigable waterway debris removal, and she highlighted the County's ongoing efforts to secure Federal Emergency Management Agency (FEMA) funding for additional large debris removal. Conversation persisted concerning the assignment of districts to each commissioner within Gulf Cove and the appropriate method for raising this matter to the Commissioners. Ms. Stewart communicated the significant rise in bid prices, with specific emphasis on the bid for the Manchester Waterway dredging project and noted Mr. Patchell's suggestion to postpone. The Board reviewed the provided post-storm bathymetric survey.
- b) Exterior Dredging: The Board briefly discussed the potential reimbursement by FEMA. Conversation continued.

**New Business:**

- a) Financial Reports: The fiscal year (FY) 2024 adopted FY 2025 approved budget, FY 2023 quarter two and three activity maintenance and actual expenditure reports were provided for

review. The Board discussed reserves and the equivalent residential unit (ERU) amount, along with the monies set aside for the interior canal design and maintenance dredge project.

**Citizen Input on MSBU Items (3 Minute Limit):**

None

**Advisory Board Open Discussion:**

The Advisory Board continued conversation concerning the results of the post-storm bathymetric survey. Additionally, the Advisory Board asked for clarification of Sunshine Law, and Ms. Stewart provided an explanation.

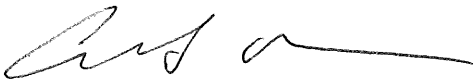
**Schedule Meetings / Items for Next Agenda:**

Mr. Wernicke motioned to approve the 2024 meeting dates, with the amendment to cancel the tentative July date. It was seconded and unanimously approved. Future meetings are scheduled at 9:30 a.m. in the West County Annex Conference Room 120 as follows:

- Wednesday, January 17, 2024
- Wednesday, April 24, 2024
- Wednesday, October 9, 2024

The meeting adjourned at 2:21 p.m.

Submitted by Kellie Stewart  
Public Works Department



Chair Signature

1/17/24  
Date

## AGENDA

### GULF COVE WATERWAY MUNICIPAL SERVICE BENEFIT UNIT (MSBU)

#### ADVISORY BOARD REGULAR MEETING THURSDAY, OCTOBER 19, 2023

1:30 p.m., Mac V. Horton West County Annex  
6868 San Casa Drive, Englewood, Florida

**BOARD MEMBERS:** Clint Baker, Chair  
Donna Draus, Vice-Chair  
Christine Carlomany  
Leon Demere  
James Wernicke

**COUNTY STAFF:** Kellie Stewart, Community Liaison  
Karlene McDonald, Operations Supervisor

**PURPOSE:** Regular Meeting

1. Call to Order / Roll Call
2. Pledge of Allegiance
3. Changes to the Agenda
4. Citizen Input on Agenda Items (3-Minute Limit)
5. Approval of Minutes: April 14, 2023
6. Unfinished Business
  - a. Interior Dredge – Bathymetric Survey and Design
7. New Business
  - a. Financial Reports
8. Citizen Input on MSBU Items (3-Minute Limit)
9. Advisory Board Open Discussion
10. Meeting Schedule / Items for Next Agenda
11. Motion to Adjourn



**MINUTES  
GULF COVE WATERWAY  
MUNICIPAL SERVICE BENEFIT UNIT (MSBU)**

**ADVISORY BOARD REGULAR MEETING  
FRIDAY, APRIL 14, 2023**

**9:30 a.m. – 10:32 a.m.  
Mac V. Horton West County Annex, Room 120  
6868 San Casa Drive, Englewood, Florida**

**Board Members:** Leon Demere, Chair  
Donna Draus, Vice-Chair  
James Wernicke  
Clint Baker

**Absent Members:** None

**County Staff:** Kimberly Kelley, Community Liaison  
Zach Patchell, Project Manager

**Guests:** Sign in sheet attached

**Call to Order/Roll Call:**

The meeting was called to order at 9:30 a.m. A roll call was taken, and a quorum was present.

**Changes to the Agenda / Motion to Approve Changes:**

None

**Citizen Input on Agenda Items (3 Minute Limit):**

- Rick Pelenske expressed his concern on placing dredge material on or near the Gulf Cove Association Property Owner Association (POA) property and if it were approved, he recommends compensation for the POA.

**Approval of Minutes:**

The minutes from December 2, 2022, were unanimously approved as written.

**Unfinished Business:**

- a) Interior Dredge-Bathymetric Survey Design: Mr. Patchell explained he has asked Parks and Recreation to utilize the park property at 13008 Gallagher Boulevard and they have declined. He explained the dredge material must go somewhere and helping secure a location for the contractor would help project cost and there could be a benefit to the private property owner for utilization of the property. It is required the contractor would remove all material and the property to be restored. He stated that design and construction dredge projects have been delayed due to the hurricane event, and it is the intent of county staff to apply for FEMA (Federal Emergency Management Agency) grant funding. Mr. Wernicke inquired on canal debris and washout materials in relation to material in waterways. Mr. Patchell stated the debris canal clean-up is a state contractor managed by the Florida Department of Emergency Management (FDEM), however, they are in West County currently. Mr. Patchell explained projects to repair washouts are being put out to bid for contracted work by Public Works Engineering.

**New Business:**

- a) Financial Reports: The fiscal year (FY) 2023 quarter one actual expenditure, FY22 annual actual expenditure and the preliminary FY24/25 preliminary budgets reports were provided for review; there was discussion on the new activity reports. Mr. Wernicke recommended having the history of the rate still included on the new style of budgets and it was

unanimously agreed. Mr. Demere motioned to approve the FY24/25 preliminary budget, seconded by Ms. Draus and it was unanimously approved.

**Citizen Input on MSBU Items (3 Minute Limit):**

- Paul Schamberger explained a washout on his property, 3120 Paar Circle along the seawall going into the canal, he recommended a pipe to be installed that leads the water out into the canal.
- Jon Patty pointed out the washout that occurred on Quail Terrace.

Ms. Kelley asked the citizens to stay after the meeting adjourned, and she would review the areas as it was not in the purview of this waterway MSBU.

**Sunshine Law/Roberts Rules:**

Per the Florida Sunshine Law outlined in Florida Statutes Chapter 286, Florida Public Records Law outlined in Florida Statutes Chapter 119 and Roberts Rules, which is mandatory training provided each year during the Advisory Board meeting in December or soon thereafter. This was completed by Advisory Board members in attendance.

**Election of Officers:**

Mr. Demere nominated Mr. Baker for Chair, there were no other nominations.

Mr. Wernicke nominated Mr. Demere for Vice Chair, there were no other nominations.

Mr. Baker accepted the nomination for Chair, Mr. Demere accepted the nomination for Vice Chair, and it was unanimously approved.

**Advisory Board Open Discussion:**

The Advisory Board unanimously approved cancelling the July 19, 2023, meeting.

**Schedule Meetings / Items for Next Agenda:**

Meetings will be held at 9:30 a.m. at the Mac V. Horton West County Annex as follows:

- **\*CANCELED\*** Wednesday, July 19, 2023
- Wednesday, October 18, 2023

Submitted by Kimberly Kelley  
Public Works Department

\_\_\_\_\_  
Chair Signature

\_\_\_\_\_  
Date

# Gulf Cove Waterway MSBU

## 2 Year Budget FY2024 & FY2025

### Estimated ERU's and Cost per ERU

<b>Vacant and Occupied</b>	<b>FY2024</b>	<b>FY2025</b>
<i>Estimated ERU's</i>	839.600	839.600
<i>Cost per ERU</i>	\$ 300.00	\$ 300.00
<b>Current FY23 Rate</b>	<b>\$ 300.00</b>	
<b>Current Maximum Rate</b>	<b>\$ 300.00</b>	

	<b>Adopted Budget FY2024</b>	<b>Approved Budget FY2025</b>
<b>Beginning Balance</b>	\$ 979,161	\$ 838,335
<b><u>Revenues</u></b>		
<b>Assessments &amp; Earnings</b>		
<i>Assessments</i>	251,880	251,880
<i>Interest</i>	3,428	2,935
<i>Net Inc/(Decr) Fair Market Value-Investments</i>	-	-
<i>Misc Rev</i>	-	-
<i>GDC Recovery (Interfund Trf-Capital Projects)</i>	2,788	2,788
<i>Excess Fees /Tax Collector</i>	-	-
<i>Less 5% Reserve - FS 129.01(2)b</i>	(12,766)	(12,741)
<b>Grant &amp; Subsidy Revenue</b>		
<i>State Grant</i>	-	-
<b>Loans &amp; Borrowing</b>		
<i>Debt Proceeds</i>	1,534,000	-
<b>Total Revenue</b>	<b>\$ 1,779,330</b>	<b>\$ 244,862</b>
<b><u>Expenditures</u></b>		
<b>Contract Services</b>		
<i>Other Contractual Svcs</i>	-	-
<b>Contract Services; other</b>		
<i>Survey</i>	55,000	55,000
<i>Navigational Trimming</i>	5,000	5,000
<b>Public Works Services</b>		
<i>Equip Repl Charges-PubWrks</i>	295	295
<i>Operating Exp-PubWrks</i>	19,313	5,471
<b>Internal Charges</b>		
<i>Central/Indirect Svcs</i>	1,224	1,285

	<b>Adopted Budget FY2024</b>	<b>Approved Budget FY2025</b>
<b>Purchased Services</b>		
<i>Postage-MSBU Notices</i>	-	-
<i>Advertising-Legal</i>	-	-
<i>Collection Fee-Tax Collector</i>	5,038	5,038
<b>Materials and Supplies</b>		
<b>Capital Outlay</b>		
<b>Debt Services</b>		
<i>Principal</i>	-	220,000
<i>Interest</i>	61,366	53,615
<b>Project Costs</b>		
<b><i>Gulf Cove WW Dredging</i></b>		
<i>Engineering</i>	153,567	-
<i>Dredging</i>	1,600,403	-
<i>Labor</i>	18,950	-
<b>Total Expenditures</b>	1,920,156	345,704
<b>Reserves (Ending Fund Balance)</b>	\$ 838,335	\$ 737,493
<i>Reserve %</i>	30.4%	68.1%

Version Date 9/20/2023



Capital Maintenance Schedule  
Public Works - MSBU/TU Dredging  
2024-2025

Project Costs (in thousands)

Project Name	2024	2025	2026	2027	2028	2029	TOTAL
Alligator Creek - Entrance Channel	410	0	0	0	0	0	410
Buena Vista/Edgewater North WW Maintenance Dredging	451	0	0	0	0	0	451
Don Pedro/Knight/Palm Island Re-nourishment FY20	606	118	121	127	0	0	972
Don Pedro/Knight/Palm Island Re-nourishment FY28	0	0	0	55	9,770	195	10,020
Gulf Cove WW Dredging	1,834	54	46	37	28	19	2,018
Harbour Heights WW Maintenance Dredging	279	0	0	0	0	0	279
Hayward Canal Exterior Dredging	193	0	0	0	0	0	193
Manasota Key Beach Nourishment	1,114	480	221	257	0	0	2,072
Manasota Key Beach Nourishment FY28	0	0	0	125	22,055	486	22,666
Manchester WW Maintenance Dredging FY22	861	0	0	0	0	0	861
NWPC Interior Channel Dredging FY22	719	0	0	0	0	0	719
NWPC Exterior Dredging	102	255	0	0	0	0	357
Pirate Harbor Dredging FY23	473	13	10	7	3	1	507
South Gulf Cove WW Maintenance Dredging	1,680	0	0	0	0	0	1,680
Stump Pass Maintenance Dredging FY22	43	0	0	0	0	0	43
Stump Pass Maintenance Dredging FY26	0	162	4,568	64	65	131	4,990
Suncoast WW Maintenance Dredge	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>8,766</b>	<b>1,082</b>	<b>4,966</b>	<b>671</b>	<b>31,922</b>	<b>832</b>	<b>48,239</b>

Charlotte County

Capital Maintenance Schedule  
 Public Works - MSBU/TU Dredging Long Range Plan  
 2024-2025

MSBU / MSTU Fund Name	Type of Dredge	Year Last Dredged	Dredging cycle/est. useful life	Planned Dredging Year
Ackerman Waterway (done with Manchester WW)	Spot	2020	7	FY 2026
Alligator Creek Waterway	Entrance channel	2017	7	FY 2024
Buena Vista Waterway	Access channel and main canal	2016	7	FY 2024
Don Pedro/Knight Is Beach Renourishment	Renourishment	2020	8	FY 2028
Edgewater North Waterway	Maintenance	N/A	10	none scheduled
Gulf Cove Waterway	Exterior	2010	5	FY 2026
Gulf Cove Waterway	Interior	2019	10	FY22 & FY23
Harbour Heights Waterway	Canals and access channels	2017	7	FY 2025
Hayward Canal Waterway	Finger channels	2019	10	none scheduled
Hayward Canal Waterway	Main Channel	2019	5	FY 2024
Manchester Waterway	Spot	2020	7	FY 2024
North Manasota Key Beach Renourishment	Renourishment	2020	8	FY 2028
Northwest Port Charlotte Waterway	Exterior	2009	5	FY 2026
Northwest Port Charlotte Waterway	Interior	2014	10	FY 2024
Pirate Harbor Waterway	Interior	2013	7	FY 2024
South Bridge Waterway	Canals and access channels	2013	7	none scheduled
South Gulf Cove Waterway	Spot	2016	7	FY25 & FY26
Stump Pass Dredging	Channel and renourishment	2022	4	FY 2026
Suncoast Waterway	Canals and access channels	2014	7	none scheduled

## Gulf Cove Waterway MSBU

### Fund Financial Report

Oct. 1, 2022 - June 30, 2023

	Actual FY2022	Adopted Budget FY2023	YTD Actual FY2023	Projected FY2023
<b>Beginning Balance</b>	\$599,861	\$751,095	\$806,848	\$806,848
<b>Revenues</b>				
Assessments & Earnings	238,940	243,948	262,059	243,948
Grant & Subsidy Revenue	-	-	-	-
Loans & Borrowing	-	1,534,000	-	-
<b>Total Revenue</b>	\$238,940	\$1,777,948	\$262,059	\$243,948
<b>Expenditures</b>				
Contract Services	-	-	-	-
Survey	-	55,000	-	-
Navigational Trimming	-	5,000	-	-
Public Works Services	4,566	4,926	1,836	4,844
Internal Charges	1,350	1,238	1,238	1,238
Purchased Services	3,079	5,044	4,772	5,044
Materials and Supplies	-	-	-	-
Capital Outlay	-	-	-	-
Debt Services	-	61,366	-	-
<b>Project Costs</b>				
Gulf Cove WW Dredging	22,958	1,785,373	513	513
<b>Total Expenditures</b>	\$31,953	\$1,917,947	\$8,359	\$11,639
<b>Reserves (Ending Fund Balance)</b>	\$806,848	\$611,096	\$1,060,547	\$1,039,157
<i>Reserve %</i>	96.2%	24.2%	99.2%	98.9%

Date Prepared: 7/20/2023

# Monthly Funding Report

START DATE:

04/01/2023

END DATE:

06/30/2023

## Gulf Cove Waterway Benefit Unit

Project	WO Number	WO Description	Location	Date Worked	Labor Hours	Labor Cost	Materials Cost	Equip. Cost	Contractor Cost	Work Accomp	Total Cost
	6149	MSBU Administrative Work		06/21/2023	0.50	42.73	0.00	0.00	0.00	0.00	42.73
	6149	MSBU Administrative Work		06/22/2023	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	6149	MSBU Administrative Work		06/28/2023	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	6149	MSBU Administrative Work		06/29/2023	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	6149	MSBU Administrative Work		04/07/2023	1.00	72.94	0.00	0.00	0.00	0.00	72.94
	6149	MSBU Administrative Work		04/11/2023	0.50	36.47	0.00	0.00	0.00	0.00	36.47
	6149	MSBU Administrative Work		04/12/2023	0.50	36.47	0.00	0.00	0.00	0.00	36.47
	6149	MSBU Administrative Work		04/14/2023	4.00	291.76	0.00	2.94	0.00	0.00	294.70
	6149	MSBU Administrative Work		04/17/2023	0.50	36.47	0.00	0.00	0.00	0.00	36.47
	6149	MSBU Administrative Work		04/18/2023	0.50	36.47	0.00	0.00	0.00	0.00	36.47
	6149	MSBU Administrative Work		04/20/2023	0.50	36.47	0.00	0.00	0.00	0.00	36.47
	6149	MSBU Administrative Work		04/25/2023	1.50	109.41	0.00	0.00	0.00	0.00	109.41
	6149	MSBU Administrative Work		04/28/2023	1.00	72.94	0.00	0.00	0.00	0.00	72.94
	6149	MSBU Administrative Work		05/09/2023	0.50	36.47	0.00	0.00	0.00	0.00	36.47
	6149	MSBU Administrative Work		05/16/2023	0.25	18.24	0.00	0.00	0.00	0.00	18.24
	6149	MSBU Administrative Work		06/02/2023	1.00	72.94	0.00	0.00	0.00	0.00	72.94
		<b>Administrative Time Total</b>			11.75	857.05	0.00	2.94	0.00	0.00	859.99
		<b>Work Order 6149 Total</b>			13.00	963.86	0.00	2.94	0.00	0.00	966.80
		<b>MSBU Administrative Work Total</b>			13.00	963.86	0.00	2.94	0.00	0.00	966.80
	1000	Project Management		04/05/2023	0.50	42.73	0.00	0.00	0.00	0.00	42.73
	1000	Project Management		04/14/2023	3.50	299.08	0.00	0.00	0.00	0.00	299.08

# Monthly Funding Report

START DATE:

04/01/2023

END DATE:

06/30/2023

## Gulf Cove Waterway Benefit Unit

Project	WO Number	WO Description	Location	Date Worked	Labor Hours	Labor Cost	Materials Cost	Equip. Cost	Contractor Cost	Work Accomp	Total Cost
	1000	Project Management		04/19/2023	0.25	21.36	0.00	0.00	0.00		21.36
	1000	Project Management		05/03/2023	0.25	21.36	0.00	0.00	0.00		21.36
	1000	Project Management		05/17/2023	0.25	21.36	0.00	0.00	0.00		21.36
	1000	Project Management		06/01/2023	0.25	21.36	0.00	0.00	0.00		21.36
	1000	Project Management		06/28/2023	0.50	42.73	0.00	0.00	0.00		42.73
<b>Public Outreach Total</b>											
					5.50	469.98	0.00	0.00	0.00	0.00	469.98
					5.50	469.98	0.00	0.00	0.00	0.00	469.98
<b>Work Order 1000 Total</b>											
<b>c391203 - Gulf Cove WW Dredging</b>											
					5.50	469.98	0.00	0.00	0.00	0.00	469.98
<b>Project Management Total</b>											
					18.50	1,433.83	0.00	2.94	0.00		1,436.78
<b>Gulf Cove Waterway Benefit Unit Total</b>											

# Monthly Funding Report

START DATE:

04/01/2023

END DATE:

06/30/2023

Project	WO Number	WO Description	Location	Date Worked	Labor Hours	Labor Cost	Materials Cost	Equip. Cost	Contractor Cost	Work Accomp	Total Cost
					18.50	1,433.83	0.00	2.94	0.00		1,436.78

Grand totals for all MSBUs reported

The new Activity Reports are broken down by maintenance activity and then by work order number. You will see a total cost per work order and then a total cost by activity before the report transitions to the next activity. Please be advised that the total per maintenance activity is for the work above the total, not below as shown with the blue & yellow section below.

Project	WO Number	WO Description	Location	Date Worked	Labor Hours	Labor Cost	Materials Cost	Equip. Cost	Contractor Cost	Work Accomp	Total Cost	
#22-530 Safety Mowing - West County	7992	Camera/Video		03/07/2023	1.50	109.41	0.00	5.88	0.00		115.29	
	<b>Work Order 7992 Total</b>											
				219 ANTILLA DR, Rotonda West, 33947		1.50	109.41	0.00	5.88	0.00	1.00	115.29
	<b>Camera/Video Total</b>											
	7994	Concrete Catch Basin Repair		03/28/2023	2.00	145.88	0.00	9.34	0.00			155.22
	7994	Concrete Catch Basin Repair		03/29/2023	12.50	879.71	440.00	24.19	0.00			1,343.90
	<b>Work Order 7994 Total</b>											
				219 ANTILLA DR		14.50	1,025.59	440.00	33.53	0.00	1.00	1,499.12
	<b>Concrete Catch Basin Repair Total</b>											
	8259	Concrete Catch Basin Repair		02/28/2023	6.00	407.88	319.20	35.40	0.00			762.48
<b>Work Order 8259 Total</b>												
			177 WRIGHT DR, Rotonda West, 33947		6.00	407.88	319.20	35.40	0.00	1.00	762.48	
<b>Concrete Catch Basin Repair Total</b>												
					20.50	1,433.47	759.20	68.93	0.00	2.00	2,261.60	
<b>8304 Contracted Work - Inspection</b>												
			03/01/2023	0.01	0.55	0.00	0.03	0.00			0.58	
<b>Work Order 8304 Total</b>												
			SAN CASA DR, ENGLEWOOD, 34224		0.01	0.55	0.00	0.03	0.00	7.50	0.58	
<b>Contracted Work - West County</b>												
					0.01	0.55	0.00	0.03	0.00	7.50	0.58	
<b>Contracted Work - Inspection Total</b>												
<b>Total for Catch Basin Repair maintenance activity</b>												
<b>Start of next maintenance activity</b>												

**Gulf Cove Waterway MSBU**  
Fund Financial Report  
Oct. 1, 2022 - Mar. 31, 2023

	Actual FY2022	Adopted Budget FY2023	YTD Actual FY2023	Projected FY2023
<b>Beginning Balance</b>	\$599,861	\$751,095	\$806,848	\$806,848
<b>Revenues</b>				
Assessments & Earnings	238,940	243,948	232,871	243,948
Grant & Subsidy Revenue	-	-	-	-
Loans & Borrowing	-	1,534,000	-	-
<b>Total Revenue</b>	\$238,940	\$1,777,948	\$232,871	\$243,948
<b>Expenditures</b>				
Contract Services	-	-	-	-
Survey	-	55,000	-	55,000
Navigational Trimming	-	5,000	-	5,000
Public Works Services	4,566	4,926	1,544	4,926
Internal Charges	1,350	1,238	1,238	1,238
Purchased Services	3,079	5,044	4,385	5,044
Materials and Supplies	-	-	-	-
Capital Outlay	-	-	-	-
Debt Services	-	61,366	-	-
<b>Project Costs</b>				
Gulf Cove WW Dredging	22,958	1,785,373	427	427
<b>Total Expenditures</b>	\$31,953	\$1,917,947	\$7,594	\$71,635
<b>Reserves (Ending Fund Balance)</b>	\$806,848	\$611,096	\$1,032,125	\$979,161
<i>Reserve %</i>	96.2%	24.2%	99.3%	93.2%

Date Prepared: 4/21/2023





# Monthly Funding Report

START DATE:

01/01/2023

END DATE:

03/31/2023

Project	WO Number	WO Description	Location	Date Worked	Labor Hours	Labor Cost	Materials Cost	Equip. Cost	Contractor Cost	Work Accomp	Total Cost
					11.00	814.85	0.00	0.00	0.00		814.87

Gulf Cove Waterway Benefit Unit Total

# Monthly Funding Report

START DATE:

01/01/2023

END DATE:

03/31/2023

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Project	WO Number	WO Description	Location	Date Worked	Labor Hours	Labor Cost	Materials Cost	Equip. Cost	Contractor Cost	Work Accomp	Total Cost
					11.00	814.85	0.00	0.00	0.00	0.00	814.87

Grand totals for all MSBUs reported

- NOTES**
1. POST-CONSTRUCTION BATHYMETRIC SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC. BETWEEN 3/10/2019 AND 3/11/2019.
  2. BATHYMETRIC SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC. ON 3/10/2019.
  3. POST-CONSTRUCTION BATHYMETRIC SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC. ON 3/11/2019.
  4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND THE NAD 83 DATUM.
  5. ELEVATIONS ON THIS SURVEY ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD83). SEE PLAN VIEW BELOW FOR REFERENCE BENCHMARKS.
  6. SURVEY POINTS ARE IDENTIFIED BY A LETTER AND NUMBER. SEE PLAN VIEW BELOW FOR REFERENCE BENCHMARKS.
  7. THIS SURVEY IS ACCORDANCE WITH SECTION 1103, WEST FLORIDA PROFESSIONAL SURVEYING ACT, WHICH REQUIRES THAT THE SURVEY DATE BE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF COMPLETION AT THE TIME THE SURVEY WAS CONDUCTED.
  8. AERIAL PHOTOGRAPHY OBTAINED FROM GOOGLE EARTH.

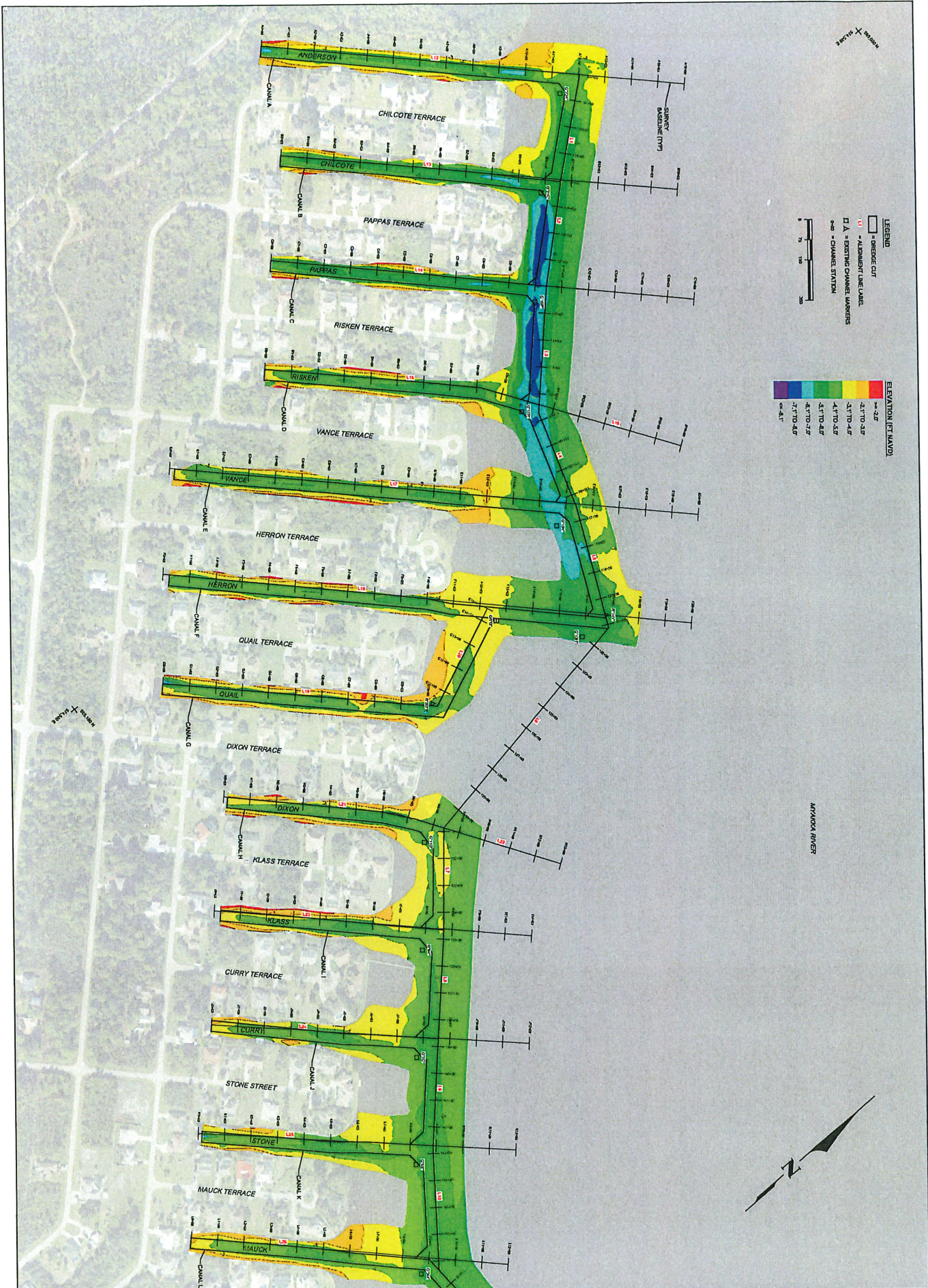


**TOTAL BENCHMARK**

Station	Point	Coordinate	Elevation
1	BM 1	1000000.00	1000000.00
2	BM 2	1000000.00	1000000.00
3	BM 3	1000000.00	1000000.00
4	BM 4	1000000.00	1000000.00
5	BM 5	1000000.00	1000000.00
6	BM 6	1000000.00	1000000.00
7	BM 7	1000000.00	1000000.00
8	BM 8	1000000.00	1000000.00
9	BM 9	1000000.00	1000000.00
10	BM 10	1000000.00	1000000.00
11	BM 11	1000000.00	1000000.00
12	BM 12	1000000.00	1000000.00
13	BM 13	1000000.00	1000000.00
14	BM 14	1000000.00	1000000.00
15	BM 15	1000000.00	1000000.00
16	BM 16	1000000.00	1000000.00
17	BM 17	1000000.00	1000000.00
18	BM 18	1000000.00	1000000.00
19	BM 19	1000000.00	1000000.00
20	BM 20	1000000.00	1000000.00
21	BM 21	1000000.00	1000000.00
22	BM 22	1000000.00	1000000.00
23	BM 23	1000000.00	1000000.00
24	BM 24	1000000.00	1000000.00
25	BM 25	1000000.00	1000000.00
26	BM 26	1000000.00	1000000.00
27	BM 27	1000000.00	1000000.00
28	BM 28	1000000.00	1000000.00
29	BM 29	1000000.00	1000000.00
30	BM 30	1000000.00	1000000.00
31	BM 31	1000000.00	1000000.00
32	BM 32	1000000.00	1000000.00
33	BM 33	1000000.00	1000000.00
34	BM 34	1000000.00	1000000.00
35	BM 35	1000000.00	1000000.00
36	BM 36	1000000.00	1000000.00
37	BM 37	1000000.00	1000000.00
38	BM 38	1000000.00	1000000.00
39	BM 39	1000000.00	1000000.00
40	BM 40	1000000.00	1000000.00
41	BM 41	1000000.00	1000000.00
42	BM 42	1000000.00	1000000.00
43	BM 43	1000000.00	1000000.00
44	BM 44	1000000.00	1000000.00
45	BM 45	1000000.00	1000000.00
46	BM 46	1000000.00	1000000.00
47	BM 47	1000000.00	1000000.00
48	BM 48	1000000.00	1000000.00
49	BM 49	1000000.00	1000000.00
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52	BM 52	1000000.00	1000000.00
53	BM 53	1000000.00	1000000.00
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55	BM 55	1000000.00	1000000.00
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57	BM 57	1000000.00	1000000.00
58	BM 58	1000000.00	1000000.00
59	BM 59	1000000.00	1000000.00
60	BM 60	1000000.00	1000000.00
61	BM 61	1000000.00	1000000.00
62	BM 62	1000000.00	1000000.00
63	BM 63	1000000.00	1000000.00
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68	BM 68	1000000.00	1000000.00
69	BM 69	1000000.00	1000000.00
70	BM 70	1000000.00	1000000.00
71	BM 71	1000000.00	1000000.00
72	BM 72	1000000.00	1000000.00
73	BM 73	1000000.00	1000000.00
74	BM 74	1000000.00	1000000.00
75	BM 75	1000000.00	1000000.00
76	BM 76	1000000.00	1000000.00
77	BM 77	1000000.00	1000000.00
78	BM 78	1000000.00	1000000.00
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91	BM 91	1000000.00	1000000.00
92	BM 92	1000000.00	1000000.00
93	BM 93	1000000.00	1000000.00
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95	BM 95	1000000.00	1000000.00
96	BM 96	1000000.00	1000000.00
97	BM 97	1000000.00	1000000.00
98	BM 98	1000000.00	1000000.00
99	BM 99	1000000.00	1000000.00
100	BM 100	1000000.00	1000000.00

**SURVEY DATABE LINE TABLE**

Line #	Station	Length	Start (Station, Elevation)	End (Station, Elevation)
1	1000000.00	1000000.00	1000000.00	1000000.00
2	1000000.00	1000000.00	1000000.00	1000000.00
3	1000000.00	1000000.00	1000000.00	1000000.00
4	1000000.00	1000000.00	1000000.00	1000000.00
5	1000000.00	1000000.00	1000000.00	1000000.00
6	1000000.00	1000000.00	1000000.00	1000000.00
7	1000000.00	1000000.00	1000000.00	1000000.00
8	1000000.00	1000000.00	1000000.00	1000000.00
9	1000000.00	1000000.00	1000000.00	1000000.00
10	1000000.00	1000000.00	1000000.00	1000000.00
11	1000000.00	1000000.00	1000000.00	1000000.00
12	1000000.00	1000000.00	1000000.00	1000000.00
13	1000000.00	1000000.00	1000000.00	1000000.00
14	1000000.00	1000000.00	1000000.00	1000000.00
15	1000000.00	1000000.00	1000000.00	1000000.00
16	1000000.00	1000000.00	1000000.00	1000000.00
17	1000000.00	1000000.00	1000000.00	1000000.00
18	1000000.00	1000000.00	1000000.00	1000000.00
19	1000000.00	1000000.00	1000000.00	1000000.00
20	1000000.00	1000000.00	1000000.00	1000000.00
21	1000000.00	1000000.00	1000000.00	1000000.00
22	1000000.00	1000000.00	1000000.00	1000000.00
23	1000000.00	1000000.00	1000000.00	1000000.00
24	1000000.00	1000000.00	1000000.00	1000000.00
25	1000000.00	1000000.00	1000000.00	1000000.00
26	1000000.00	1000000.00	1000000.00	1000000.00
27	1000000.00	1000000.00	1000000.00	1000000.00
28	1000000.00	1000000.00	1000000.00	1000000.00
29	1000000.00	1000000.00	1000000.00	1000000.00
30	1000000.00	1000000.00	1000000.00	1000000.00
31	1000000.00	1000000.00	1000000.00	1000000.00
32	1000000.00	1000000.00	1000000.00	1000000.00
33	1000000.00	1000000.00	1000000.00	1000000.00
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35	1000000.00	1000000.00	1000000.00	1000000.00
36	1000000.00	1000000.00	1000000.00	1000000.00
37	1000000.00	1000000.00	1000000.00	1000000.00
38	1000000.00	1000000.00	1000000.00	1000000.00
39	1000000.00	1000000.00	1000000.00	1000000.00
40	1000000.00	1000000.00	1000000.00	1000000.00
41	1000000.00	1000000.00	1000000.00	1000000.00
42	1000000.00	1000000.00	1000000.00	1000000.00
43	1000000.00	1000000.00	1000000.00	1000000.00
44	1000000.00	1000000.00	1000000.00	1000000.00
45	1000000.00	1000000.00	1000000.00	1000000.00
46	1000000.00	1000000.00	1000000.00	1000000.00
47	1000000.00	1000000.00	1000000.00	1000000.00
48	1000000.00	1000000.00	1000000.00	1000000.00
49	1000000.00	1000000.00	1000000.00	1000000.00
50	1000000.00	1000000.00	1000000.00	1000000.00
51	1000000.00	1000000.00	1000000.00	1000000.00
52	1000000.00	1000000.00	1000000.00	1000000.00
53	1000000.00	1000000.00	1000000.00	1000000.00
54	1000000.00	1000000.00	1000000.00	1000000.00
55	1000000.00	1000000.00	1000000.00	1000000.00
56	1000000.00	1000000.00	1000000.00	1000000.00
57	1000000.00	1000000.00	1000000.00	1000000.00
58	1000000.00	1000000.00	1000000.00	1000000.00
59	1000000.00	1000000.00	1000000.00	1000000.00
60	1000000.00	1000000.00	1000000.00	1000000.00
61	1000000.00	1000000.00	1000000.00	1000000.00
62	1000000.00	1000000.00	1000000.00	1000000.00
63	1000000.00	1000000.00	1000000.00	1000000.00
64	1000000.00	1000000.00	1000000.00	1000000.00
65	1000000.00	1000000.00	1000000.00	1000000.00
66	1000000.00	1000000.00	1000000.00	1000000.00
67	1000000.00	1000000.00	1000000.00	1000000.00
68	1000000.00	1000000.00	1000000.00	1000000.00
69	1000000.00	1000000.00	1000000.00	1000000.00
70	1000000.00	1000000.00	1000000.00	1000000.00
71	1000000.00	1000000.00	1000000.00	1000000.00
72	1000000.00	1000000.00	1000000.00	1000000.00
73	1000000.00	1000000.00	1000000.00	1000000.00
74	1000000.00	1000000.00	1000000.00	1000000.00
75	1000000.00	1000000.00	1000000.00	1000000.00
76	1000000.00	1000000.00	1000000.00	1000000.00
77	1000000.00	1000000.00	1000000.00	1000000.00
78	1000000.00	1000000.00	1000000.00	1000000.00
79	1000000.00	1000000.00	1000000.00	1000000.00
80	1000000.00	1000000.00	1000000.00	1000000.00
81	1000000.00	1000000.00	1000000.00	1000000.00
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83	1000000.00	1000000.00	1000000.00	1000000.00
84	1000000.00	1000000.00		



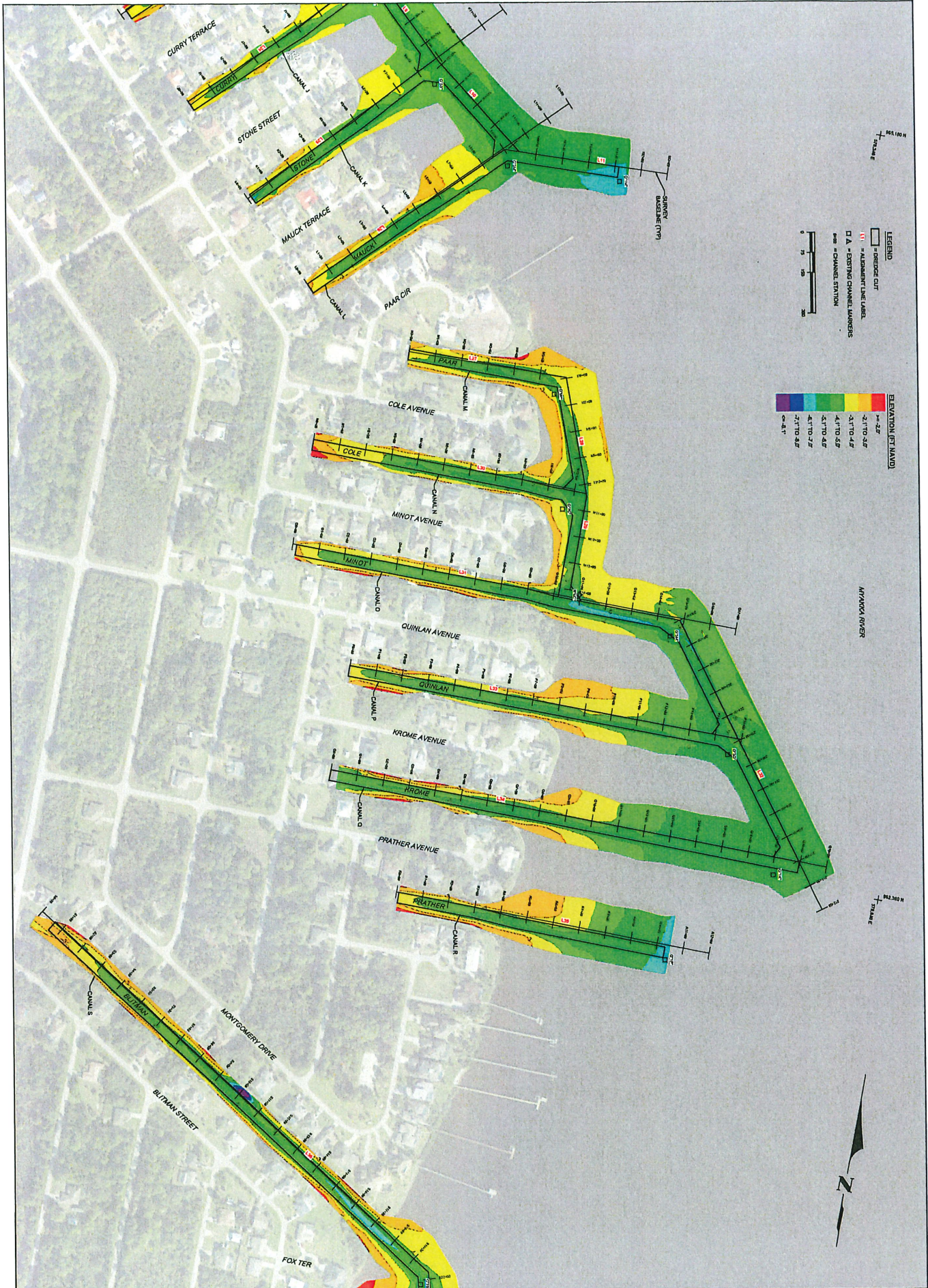
COASTAL & MARINE ENGINEERING  
 ENVIRONMENTAL & GEOLOGICAL SERVICES  
 SURVEY AND MAPPING  
 ENGINEERING: CA 2454  
 SURVEYING: LB 2454  
 CLIENT: CHARLOTTE COUNTY  
 TITLE: GULF COVE WATERWAYS  
 BATHYMETRIC SURVEY  
 DETAILED PLAN VIEW  
 PHONE: (239)643-2324  
 FAX: (239)643-1143  
 www.coastalengineering.com  
 E-Mail: info@cecfll.com

DATE: 6/29/2023  
 DRAWN: SDB  
 CHECKED: GVT  
 SEC: TWP, RNO  
 ACAD NO: 23075-PLAN.dwg  
 REF. NO: 23.075

NO.	DATE	BY	REVISION DESCRIPTION

SHEET 2  
 FILE NO: 23075-PC-C

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



**LEGEND**

- = DEEPER CUT
- = ALTERNATE LINE LABEL
- D.A. = EXISTING CHANNEL MARKERS
- SM = CHANNEL STATION

**ELEVATION (FT. LAND)**

- 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'

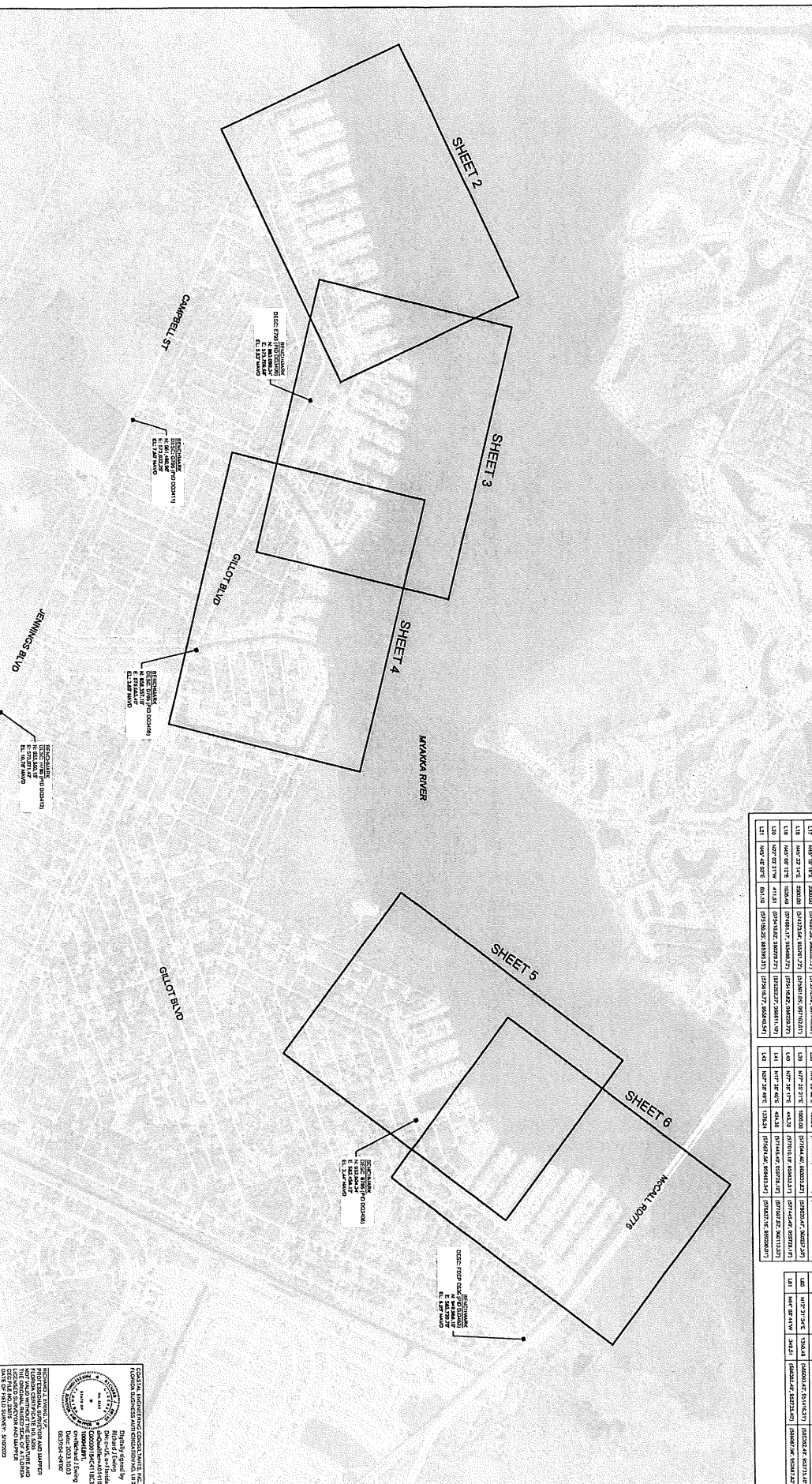
SHEET 3 FILE NO. 23075-5-C-3	 <b>COASTAL ENGINEERING CONSULTANTS INC.</b> Serving Coastal Communities Since 1977	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2484 SURVEYING: LB 2464  PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecoill.com	CLIENT: <b>CHARLOTTE COUNTY</b>  TITLE: <b>GULF COVE WATERWAYS          BATHYMETRIC SURVEY          DETAILED PLAN VIEW</b>	DATE: 8/28/2023 DRAWN: SDB CHECKED: GVT SEC: TWP, RING ACAD NO. REF. NO.	SCALE: AS NOTED F.B. PG. NO. DATE BY REVISION DESCRIPTION
				THIS DOCUMENT IS THE PROPERTY OF COASTAL ENGINEERING CONSULTANTS INC. IT IS TO BE USED ONLY FOR THE PROJECT AND LOCATION SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING CONSULTANTS INC.	

- NOTES**
- POST-CONSTRUCTION BATHYMETRIC SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC. BETWEEN SHEETS 1, 2, 3, 4, 5, 6.
  - BATHYMETRIC SURVEY CONDUCTED BY COASTAL ENGINEERING CONSULTANTS, INC. 08/23/2023.
  - COASTAL ENGINEERING CONSULTANTS, INC. 08/23/2023.
  - PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND THE PERIOD OF 1983.
  - VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD8). SEE PLAN VIEW BELOW FOR REFERENCE BENCHMARKS.
  - REVISIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD8). SEE PLAN VIEW BELOW FOR REFERENCE BENCHMARKS.
  - SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH ISO 9001:2015 AND ISO 14001:2015.
  - CONSIDERED INDICATIVE OF CONDITIONS AS THEY EXIST AS SHOWN ON THE SURVEY DATE SHOWN AND CAN ONLY BE USED FOR INFORMATIONAL PURPOSES.
  - ASBRI, PHOTO DOCUMENT DATED 08/23/2023.

**TIDAL BENCHMARK**

THE STATION POINTS SHOWN AS BENCHMARKS ON THIS SURVEY ARE BASED ON THE TIDAL DATUM OF 1988 (NAVD8). SEE PLAN VIEW BELOW FOR REFERENCE BENCHMARKS.

MEAN HIGH WATER (MHW) = 4.17 FT MVD  
 MEAN LOW WATER (MLW) = 1.12 FT MVD  
 NATIONAL GEODETIC VERT. DATUM = 4.12 FT MVD



SHEET 2 BENCHMARK LINE TABLE				SHEET 3 BENCHMARK LINE TABLE				SHEET 4 BENCHMARK LINE TABLE				SHEET 5 BENCHMARK LINE TABLE				SHEET 6 BENCHMARK LINE TABLE			
Line #	Station	Length	Coordinate	Line #	Station	Length	Coordinate	Line #	Station	Length	Coordinate	Line #	Station	Length	Coordinate	Line #	Station	Length	Coordinate
1	100+00	100.00	1000000.00	1	100+00	100.00	1000000.00	1	100+00	100.00	1000000.00	1	100+00	100.00	1000000.00	1	100+00	100.00	1000000.00

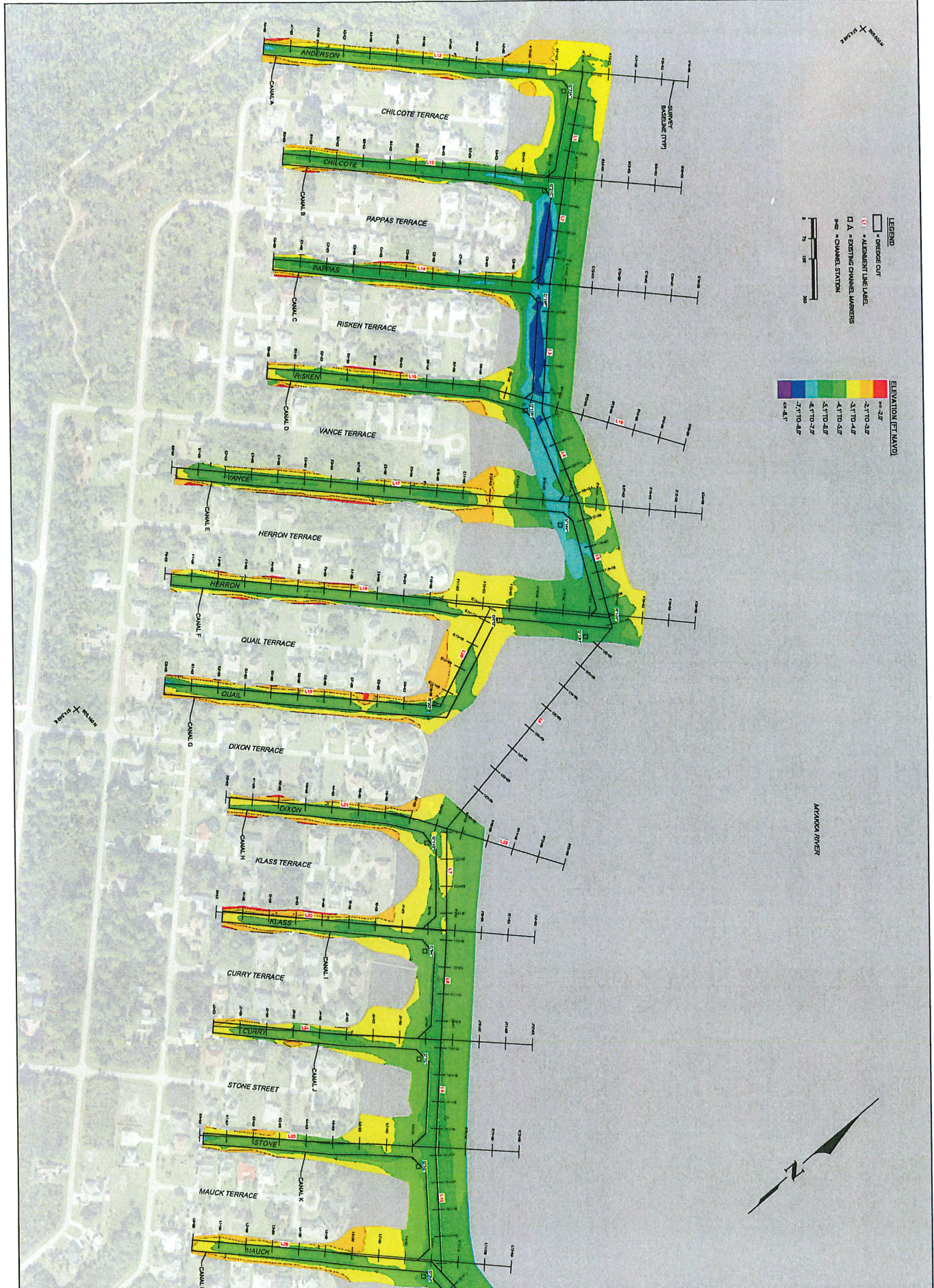
**COASTAL ENGINEERING CONSULTANTS, INC.**  
 28421 BONITA CROSSINGS BLVD  
 BONITA SPRINGS, FLORIDA 34135

**CHARLOTTE COUNTY**  
**GULF COVE WATERSWAY**  
**BATHYMETRIC SURVEY**  
**COVER SHEET**

DATE: 8/23/2023  
 DRAWN: SDB  
 CHECKED: GVT  
 SEC: TWP.  
 ACAD NO. 23075-PLAN.dwg  
 REF. NO. 23.075

SCALE: AS NOTED

NO.	DATE	BY	REVISION DESCRIPTION
23.075			



North Arrow

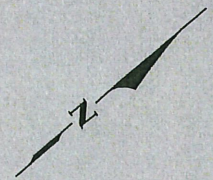
**LEGEND**

- ▭ = PROPOSED CUR
- ▭ = ADJACENT LANE LINES
- ▭ = EXISTING CHANNEL BOUNDARIES
- ▭ = CHANNEL STATION

**ELEVATION (FT/AVD)**

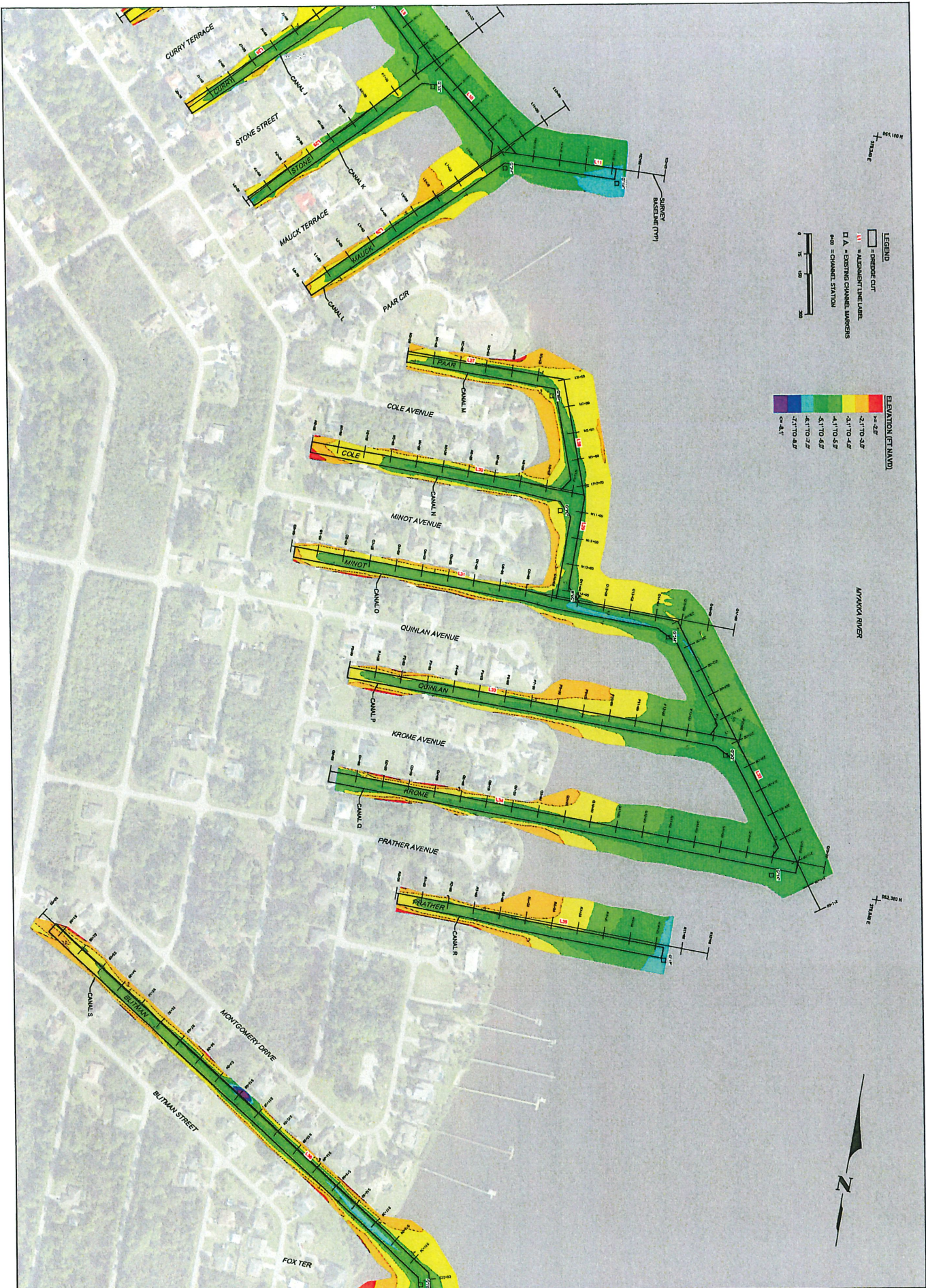
- 6.0 - 6.1'
- 5.0 - 5.9'
- 4.0 - 4.9'
- 3.0 - 3.9'
- 2.0 - 2.9'

MIAMI RIVER



SHEET 2 FILE NO. 23075-CC-2	<p><b>COASTAL ENGINEERING CONSULTANTS INC.</b> Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135</p>	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2454 SURVEYING, LB 2464  PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com	CLIENT: <b>CHARLOTTE COUNTY</b>		DATE: 8/29/2023	SCALE: AS NOTED	THIS DOCUMENT AND THE CONTENTS AND DRAWINGS HEREIN ARE THE PROPERTY OF COASTAL ENGINEERING CONSULTANTS INC. AND SHALL REMAIN THE PROPERTY OF COASTAL ENGINEERING CONSULTANTS INC. UNLESS OTHERWISE SPECIFIED IN WRITING.
			TITLE: <b>GULF COVE WATERWAYS BATHYMETRIC SURVEY DETAILED PLAN VIEW</b>		DRAWN: SDB	CHECKED: GVT	
			REF. NO. 23.075	NO.	DATE	BY	REVISION DESCRIPTION





964,100 N  
778,100 W

**LEGEND**  
 [Symbol] = DREDGE CUT  
 [Symbol] = ADJACENT LINE LABEL  
 [Symbol] = CHANNEL STATION  
 [Symbol] = CHANNEL MARKERS

**ELEVATION (FT NAVD)**  
 1-2.0'  
 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 TO 9.0'

APRIL 2018

962,300 N  
778,100 W



SHEET 3  
 FILE NO. 23075-CC-3

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

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@ceclli.com

CLIENT:  
 TITLE:

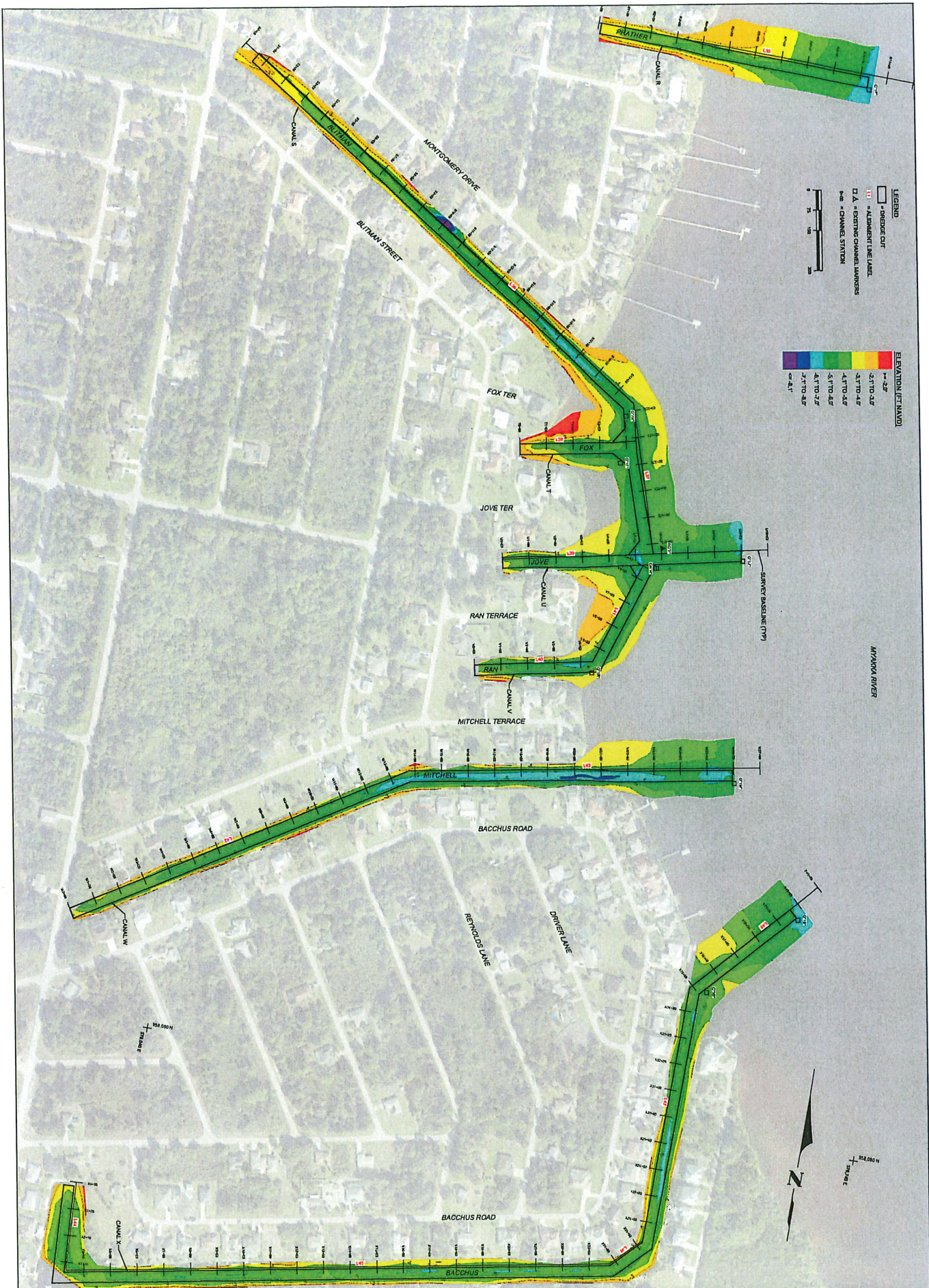
CHARLOTTE COUNTY  
 GULF COVE WATERWAYS  
 BATHYMETRIC SURVEY  
 DETAILED PLAN VIEW

DATE: 6/29/2023  
 DRAWN: SDB  
 CHECKED: GVT  
 SEC: TWP.  
 ACAD NO.  
 REF. NO.

SCALE: AS NOTED  
 F.B.  
 PG.  
 RING.  
 23075-PLAN.dwg  
 23.075

NO.	DATE	BY	REVISION DESCRIPTION

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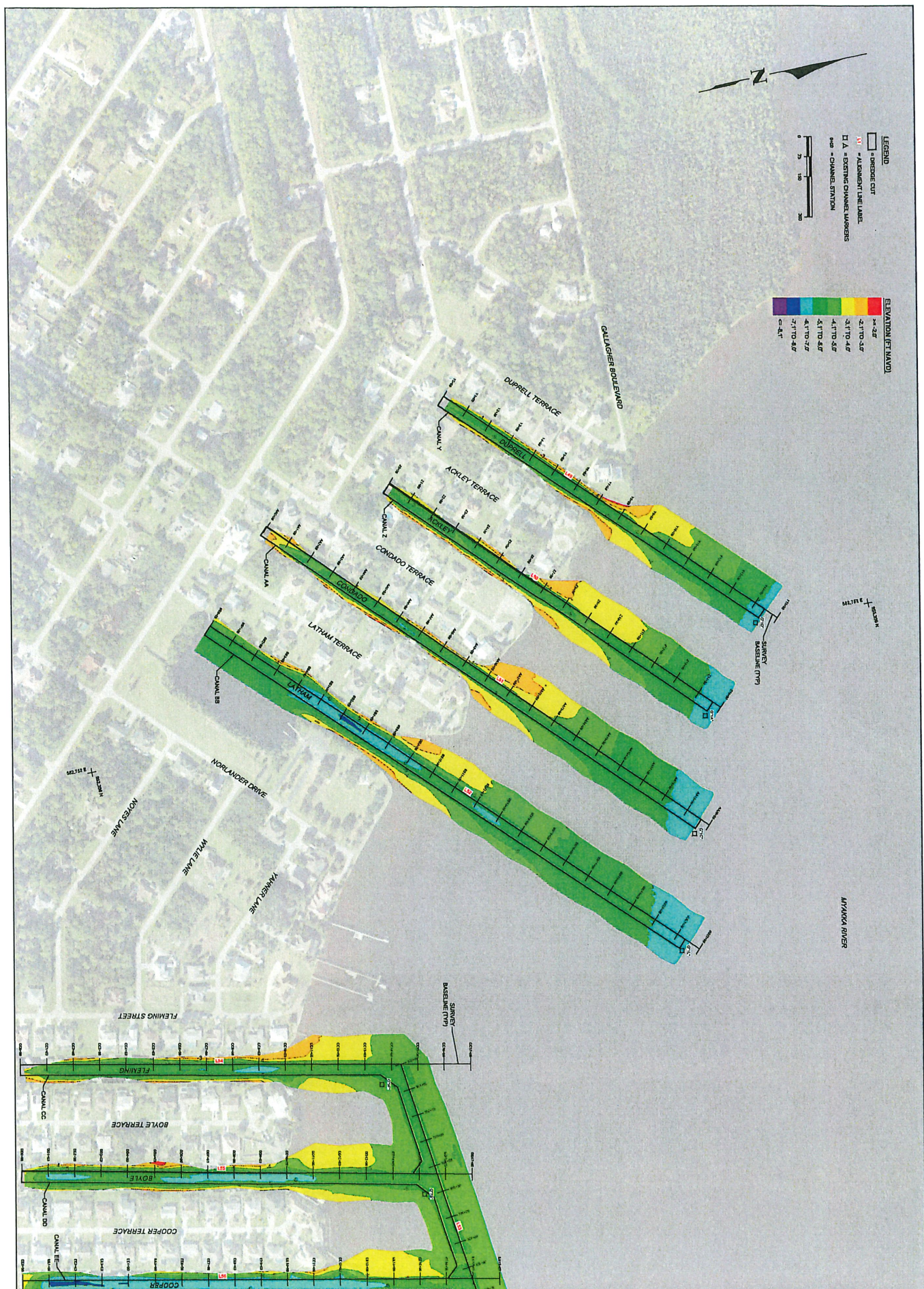
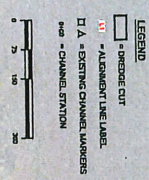
**LEGEND**

- PROPOSED CUT
- EXISTING CHANNEL LINE LABEL
- EXISTING CHANNEL NUMBER
- CHANNEL STATION

**ELEVATION (FEET)**

- 2.0 - 2.5'
- 2.5 TO 3.0'
- 3.0 TO 3.5'
- 3.5 TO 4.0'
- 4.0 TO 4.5'
- 4.5 TO 5.0'
- 5.0 TO 5.5'
- 5.5 TO 6.0'
- 6.0 TO 6.5'
- 6.5 TO 7.0'
- 7.0 TO 7.5'
- 7.5 TO 8.0'
- 8.0 TO 8.5'
- 8.5 TO 9.0'
- 9.0 TO 9.5'
- 9.5 TO 10.0'
- 10.0 TO 10.5'
- 10.5 TO 11.0'
- 11.0 TO 11.5'
- 11.5 TO 12.0'
- 12.0 TO 12.5'
- 12.5 TO 13.0'
- 13.0 TO 13.5'
- 13.5 TO 14.0'
- 14.0 TO 14.5'
- 14.5 TO 15.0'
- 15.0 TO 15.5'
- 15.5 TO 16.0'
- 16.0 TO 16.5'
- 16.5 TO 17.0'
- 17.0 TO 17.5'
- 17.5 TO 18.0'
- 18.0 TO 18.5'
- 18.5 TO 19.0'
- 19.0 TO 19.5'
- 19.5 TO 20.0'
- 20.0 TO 20.5'
- 20.5 TO 21.0'
- 21.0 TO 21.5'
- 21.5 TO 22.0'
- 22.0 TO 22.5'
- 22.5 TO 23.0'
- 23.0 TO 23.5'
- 23.5 TO 24.0'
- 24.0 TO 24.5'
- 24.5 TO 25.0'
- 25.0 TO 25.5'
- 25.5 TO 26.0'
- 26.0 TO 26.5'
- 26.5 TO 27.0'
- 27.0 TO 27.5'
- 27.5 TO 28.0'
- 28.0 TO 28.5'
- 28.5 TO 29.0'
- 29.0 TO 29.5'
- 29.5 TO 30.0'
- 30.0 TO 30.5'
- 30.5 TO 31.0'
- 31.0 TO 31.5'
- 31.5 TO 32.0'
- 32.0 TO 32.5'
- 32.5 TO 33.0'
- 33.0 TO 33.5'
- 33.5 TO 34.0'
- 34.0 TO 34.5'
- 34.5 TO 35.0'
- 35.0 TO 35.5'
- 35.5 TO 36.0'
- 36.0 TO 36.5'
- 36.5 TO 37.0'
- 37.0 TO 37.5'
- 37.5 TO 38.0'
- 38.0 TO 38.5'
- 38.5 TO 39.0'
- 39.0 TO 39.5'
- 39.5 TO 40.0'
- 40.0 TO 40.5'
- 40.5 TO 41.0'
- 41.0 TO 41.5'
- 41.5 TO 42.0'
- 42.0 TO 42.5'
- 42.5 TO 43.0'
- 43.0 TO 43.5'
- 43.5 TO 44.0'
- 44.0 TO 44.5'
- 44.5 TO 45.0'

SHEET 1 OF 1	 <b>COASTAL ENGINEERING CONSULTANTS INC.</b> Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2454 SURVEYING: LB 2454  PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecfll.com	CLIENT: <b>CHARLOTTE COUNTY</b> GULF COVE WATERWAYS BATHYMETRIC SURVEY DETAILED PLAN VIEW	DATE: 6/29/2023	SCALE: AS NOTED	THIS DRAWING IS THE PROPERTY OF COASTAL ENGINEERING CONSULTANTS INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING CONSULTANTS INC.			
						DRAWN: SDB CHECKED: GVT SEC: TWP. ACAD NO. REF. NO.	F.S. PG. RING. 23075-PLAN.dwg 23.075		



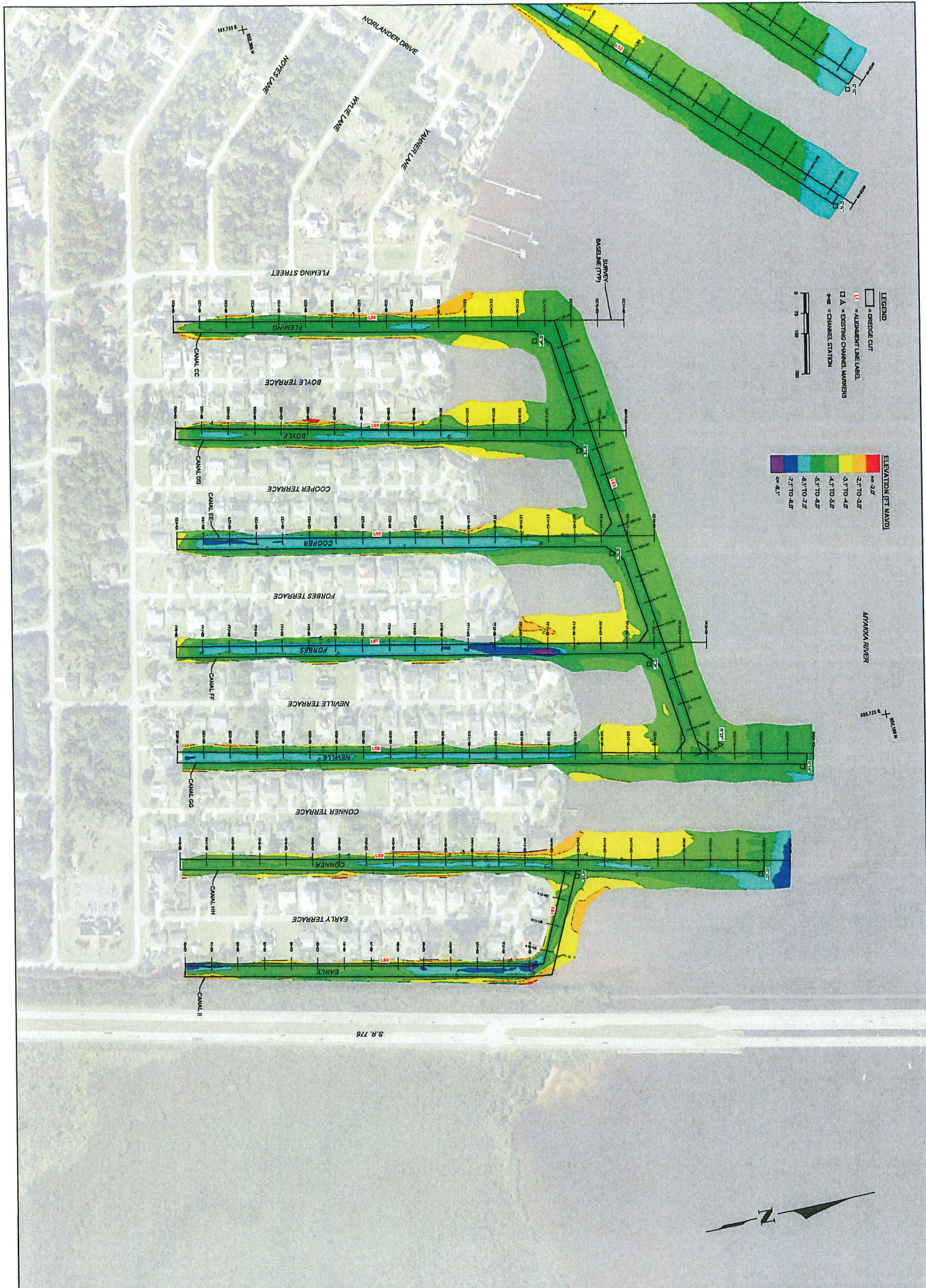
**COASTAL ENGINEERING CONSULTANTS INC.**  
 COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES  
 SURVEY AND MAPPING ENGINEERING, CA 2454 SURVEYING: LB 2454  
 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135  
 PHONE: (239)643-2324 FAX: (239)643-1143  
 www.coastalengineering.com E-Mail: info@ceci.com

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

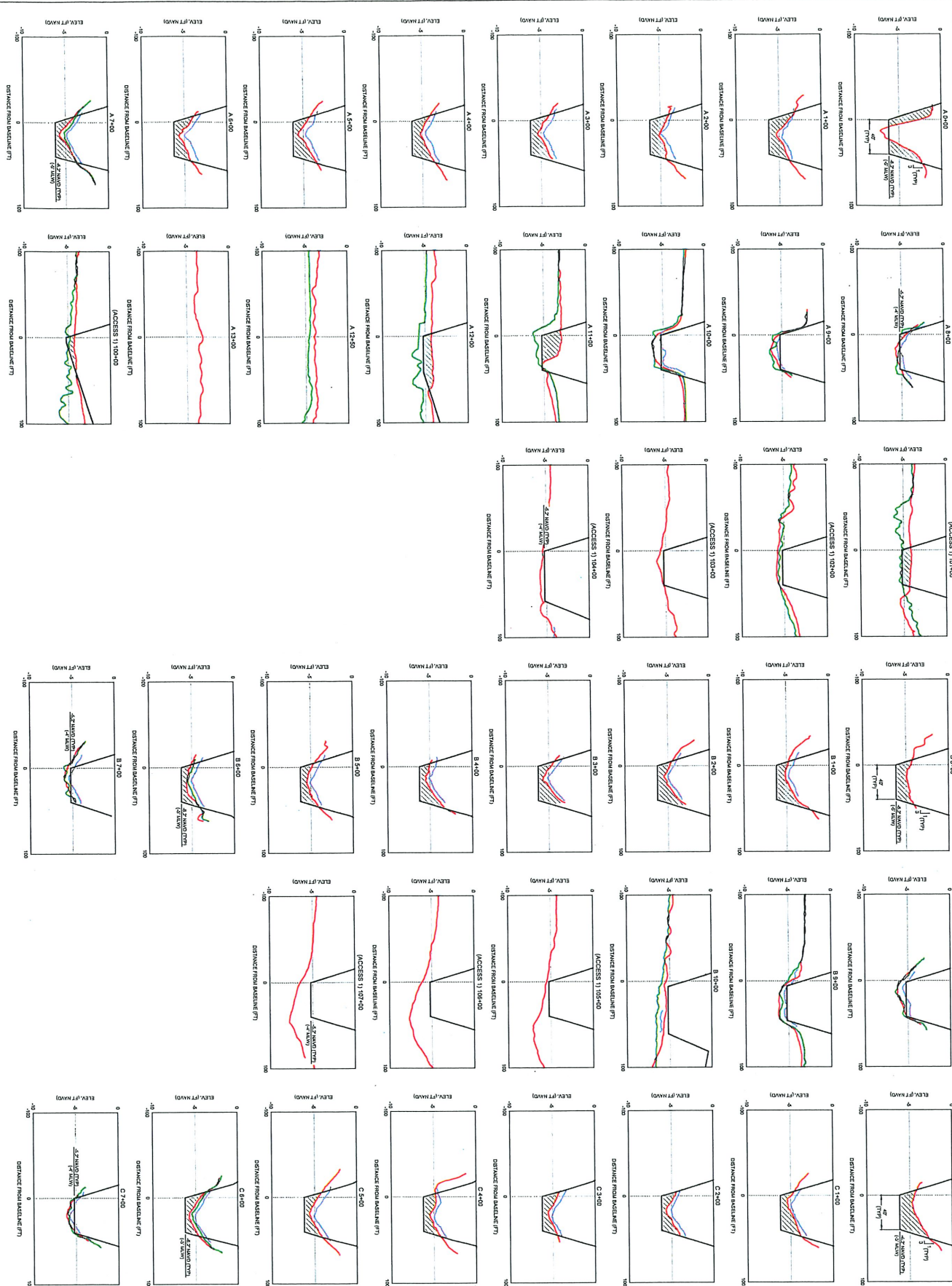
DATE: 6/28/2023 SCALE: AS NOTED  
 DRAWN: SDB F.B.  
 CHECKED: GVT PG.  
 SEC. TWP. RNG.  
 ACAD NO. 23075-PLAN.dwg  
 REF. NO. 23.075

NO.	DATE	BY	REVISION DESCRIPTION

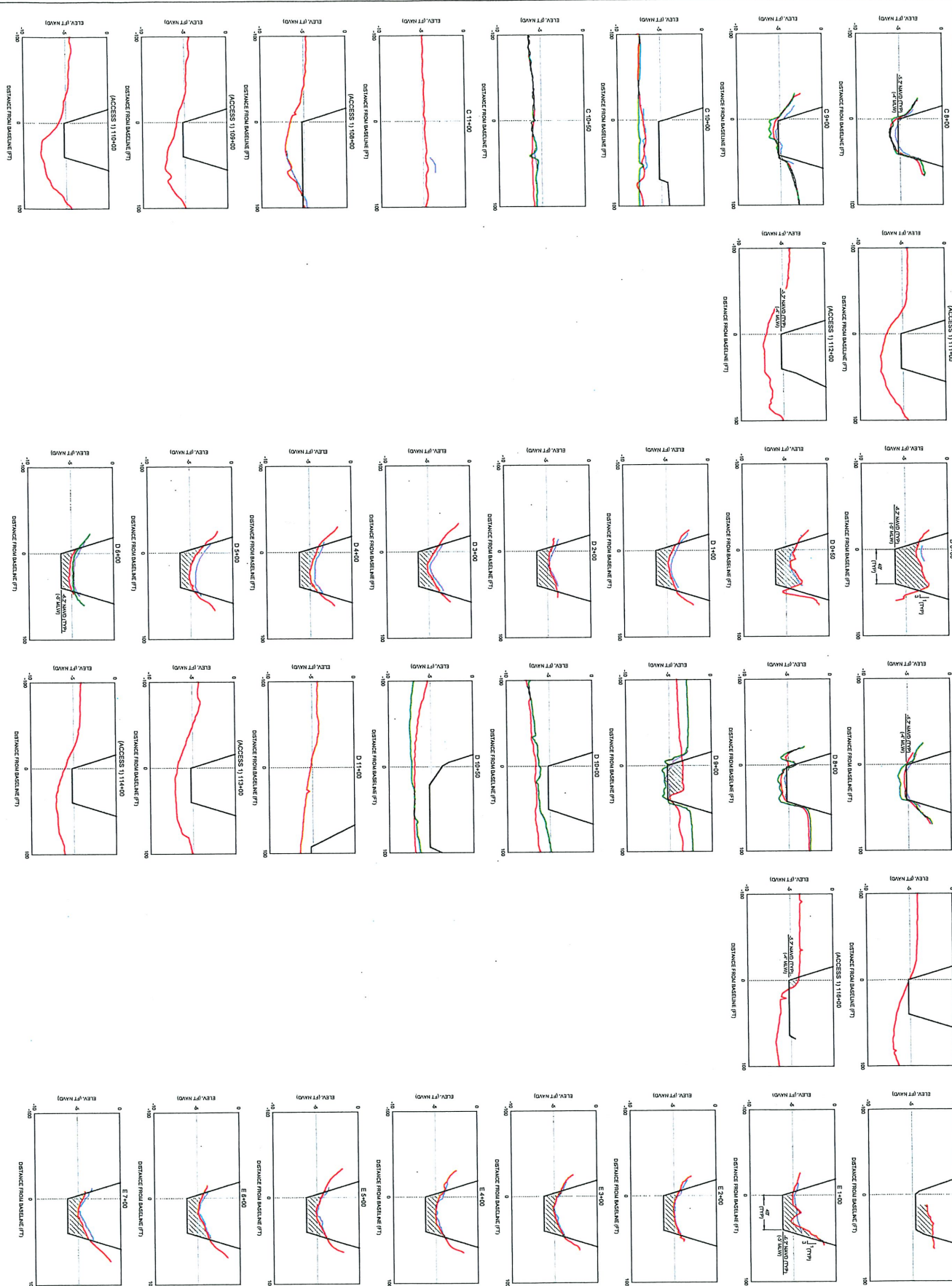
SHEET 3  
 FILE NO. 23075-DC-5



SHEET 6 FILE NO. 23075-CC-8	<b>COASTAL ENGINEERING CONSULTANTS INC.</b> Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	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@cecifl.com	CLIENT: CHARLOTTE COUNTY TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY DETAILED PLAN VIEW	DATE: 8/29/2023 DRAWN: SDB CHECKED: GVT SEC: TWP. ACAD NO. REF. NO.	SCALE: AS NOTED F.B. PG. RING.	23075-PLAN.dwg 23,075	NO. DATE BY REVISION DESCRIPTION
				NO. DATE BY REVISION DESCRIPTION	NO. DATE BY REVISION DESCRIPTION	NO. DATE BY REVISION DESCRIPTION	NO. DATE BY REVISION DESCRIPTION



<p>FILE NO: 2015-001</p> <p>SHEET 7</p>	<p><b>COASTAL ENGINEERING CONSULTANTS INC.</b></p> <p>Serving Coastal Communities Since 1977</p> <p>28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135</p>	<p>COASTAL &amp; MARINE ENGINEERING ENVIRONMENTAL &amp; GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464</p> <p>PHONE: (239)643-3324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com</p>	<p>CLIENT: <b>CHARLOTTE COUNTY</b></p> <p>TITLE: <b>GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: A 0+00 TO C 7+00</b></p>	<p>DATE: 8/28/2023</p> <p>DRAWN: SDB</p> <p>CHECKED: GVT</p> <p>SEC: TWP.</p> <p>ACAD NO. 23075-AREA1-X.SECT.dwg</p> <p>REF. NO. 23.075</p>	<p>SCALE: AS NOTED</p> <p>1" = 1' = 20'</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	BY	REVISION DESCRIPTION								
NO.	DATE	BY	REVISION DESCRIPTION															



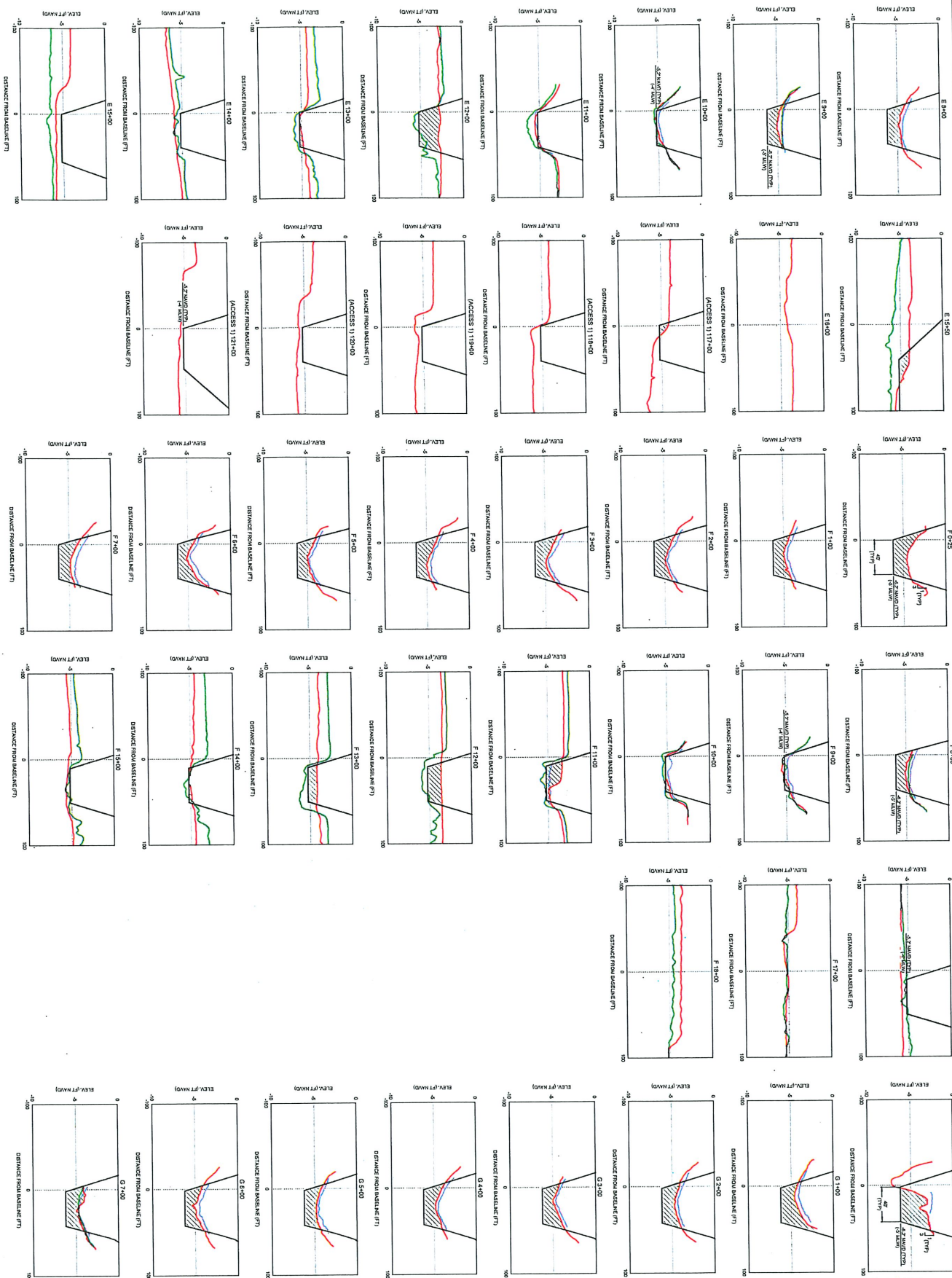
**LEGEND**

- existing topography
- existing area
- 2018 bathymetry
- 2019 bathymetry
- 2020 bathymetry

**SCALE**  
1" = 10'

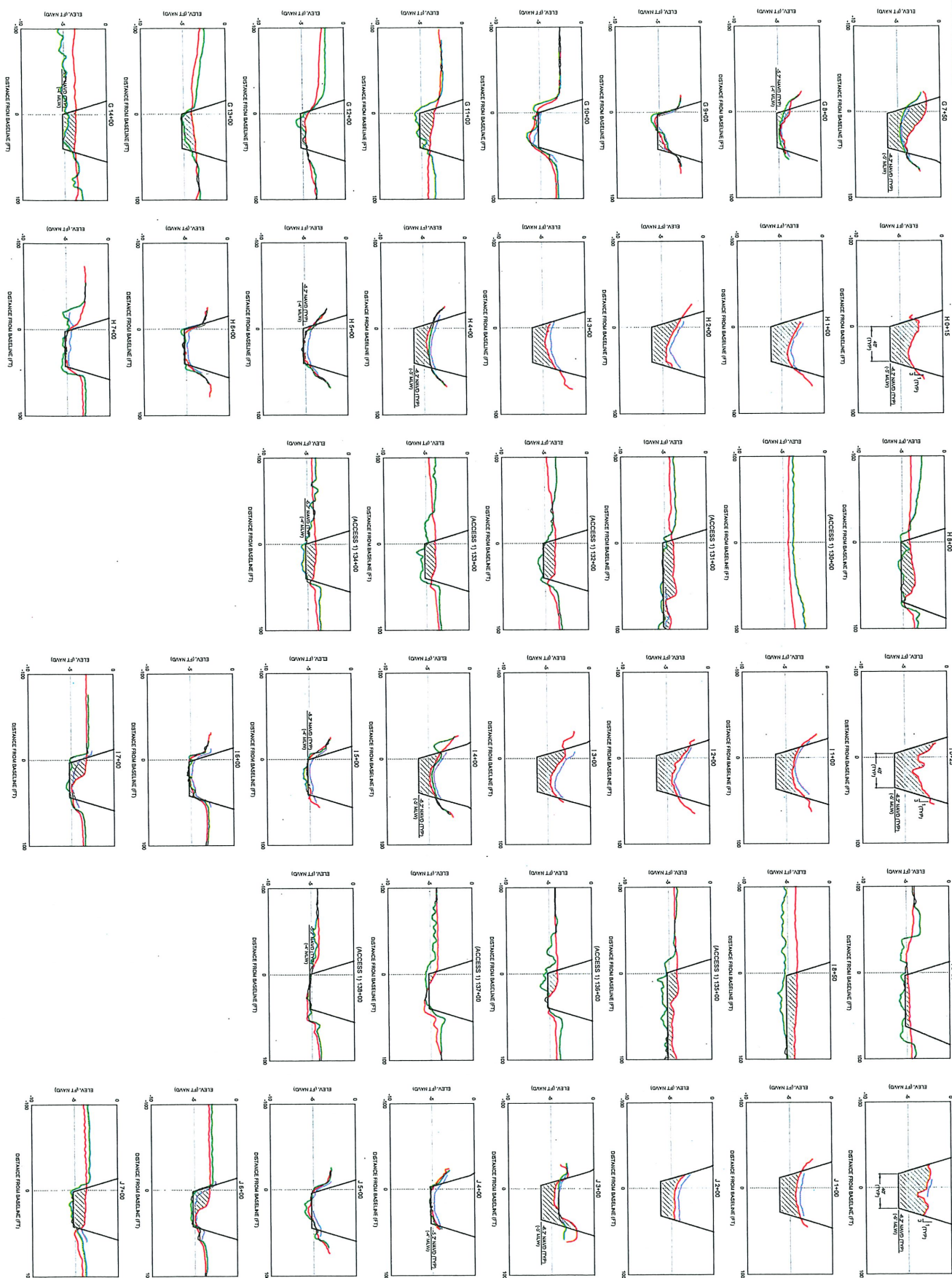
 <b>COASTAL ENGINEERING CONSULTANTS INC.</b> Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 2464 SURVEYING: LB 2464	CLIENT: <b>CHARLOTTE COUNTY</b> TITLE: <b>GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: C 8+00 TO E+700</b>	DATE: 6/28/2024 DRAWN: SDB CHECKED: GVT SEC. TYP. ACAD NO. REF. NO. 23075-AREA1-X:SECT.dwg 23,075
	PHONE: (239) 643-2324 FAX: (239) 643-1143 www.coastalengineering.com E-Mail: info@cecfll.com		

NO.	DATE	BY	REVISION DESCRIPTION



SHEET 9  
 FILE NO. 2023-02-03  
 COASTAL ENGINEERING CONSULTANTS INC.  
 Serving Coastal Communities Since 1977  
 28421 BONITA CROSSINGS BLVD  
 BONITA SPRINGS, FLORIDA 34135  
 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@cecof.com

CLIENT: CHARLOTTE COUNTY TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: E 8+00 TO G 7+00		DATE: 8/29/2023 DRAWN: SDB CHECKED: GVT SEC: TWP. ACAD NO. REF. NO.	SCALE: AS NOTED F.B. PG. RING. 23075-AREA1-XSECT.dwg 23.075	NO. DATE BY REVISION DESCRIPTION
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SHEET 19  
FILE NO. 23075-AC-10

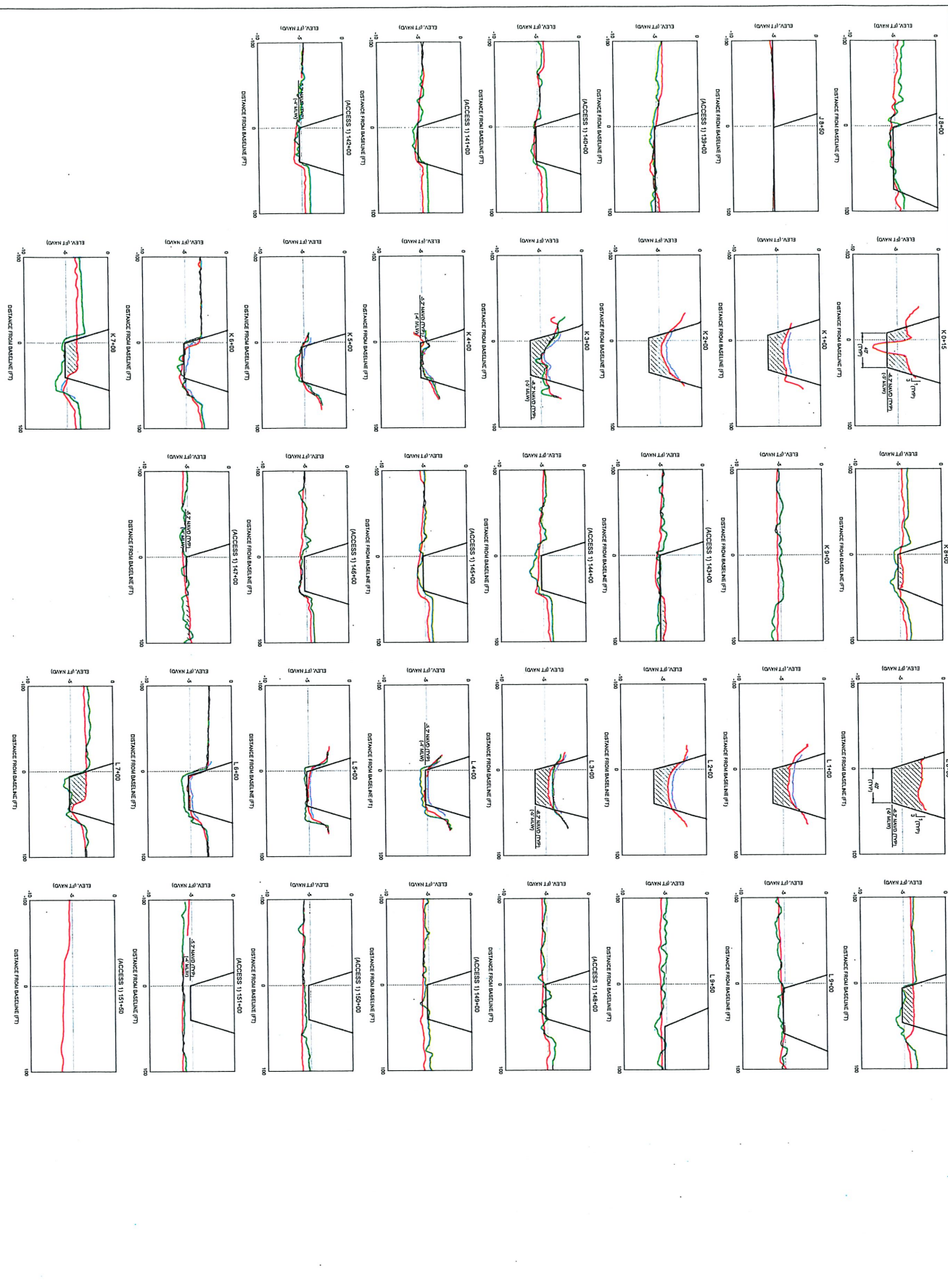
**COASTAL ENGINEERING CONSULTANTS INC.**  
Serving Coastal Communities Since 1977  
28421 BONITA CROSSINGS BLVD  
BONITA SPRINGS, FLORIDA 34135

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@cecfl.com

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

DATE:	6/28/2023	SCALE:	AS NOTED
DRAWN:	SDB	F.R.	
CHECKED:	GVT	PG.	
SEC.	TWP.	RNG.	
ACAD. NO.	23075-AREA1-X.SHEET.dwg		
REF. NO.	23.075	NO.	
	DATE	BY	REVISION DESCRIPTION



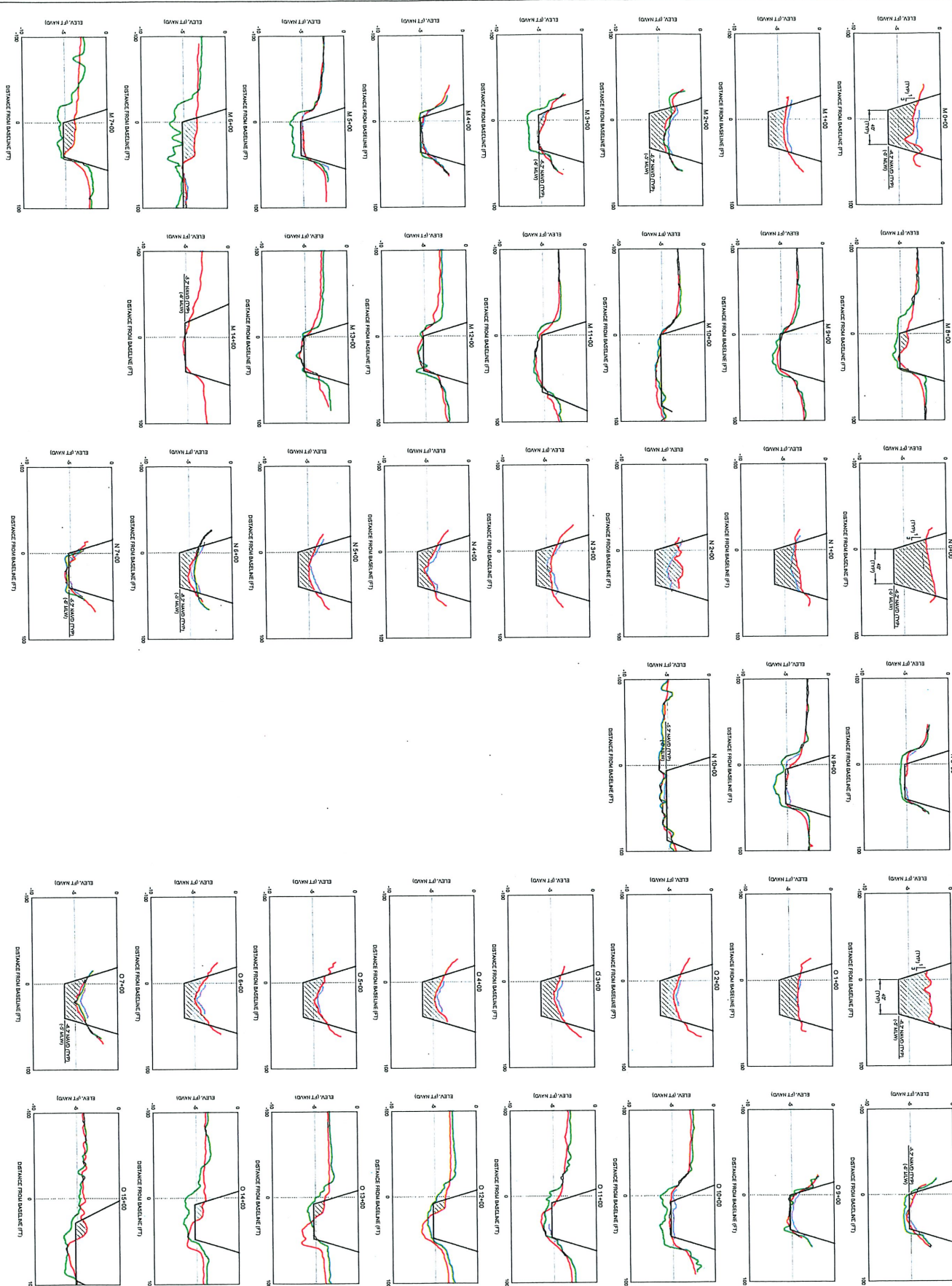


LEGEND

- CHANNEL TEMPLATE
- CHANNEL BANK
- EXISTING CHANNEL
- EXISTING SURVEY
- PROPOSED SURVEY

SCALE  
1" = 1' = 20'

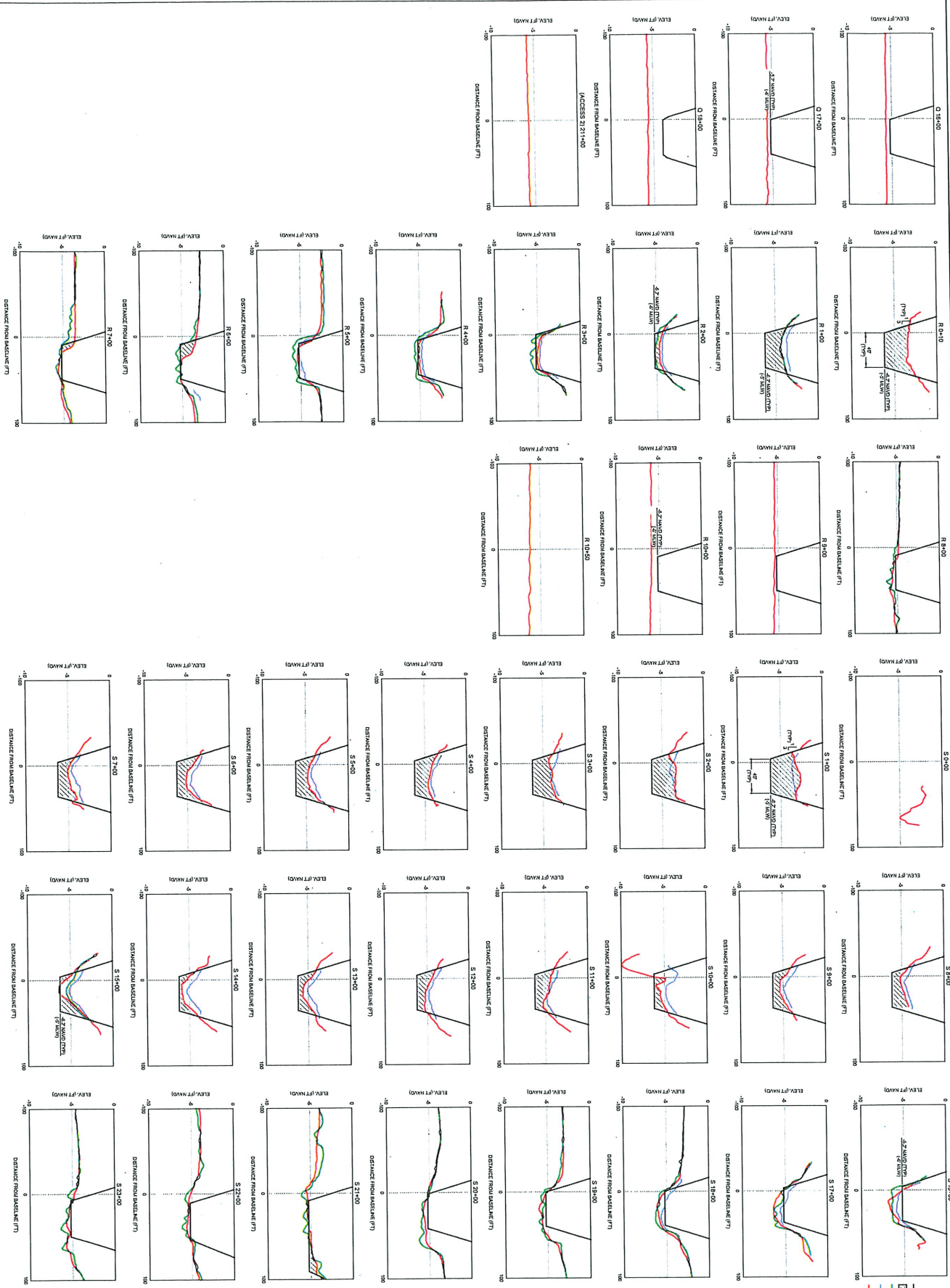
SHEET 11 FILE NO. 23075-SC-11	<b>COASTAL ENGINEERING CONSULTANTS INC.</b> Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecfll.com	CLIENT: <b>CHARLOTTE COUNTY</b> GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: J 8+00 TO ACCESS 1 151+50	DATE:	8/28/2023	SCALE:	AS NOTED	THIS DOCUMENT AND THE DATA HEREON ARE THE PROPERTY OF COASTAL ENGINEERING CONSULTANTS INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING CONSULTANTS INC.	
				DRAWN:	SDB	F.B.			CHECKED:
				SEC.	TWP.	RNG.		ACAD NO.	23075-AREA1-X-SECTION.dwg
				REF. NO.	23.075	NO.		DATE	
						BY		REVISION DESCRIPTION	



**LEGEND**  
 - Hatched area: BULKHEAD AREA  
 - Blue line: 2015 SURVEY  
 - Green line: 2016 SURVEY  
 - Red line: 2017 SURVEY  
**SCALE**  
 1" = 10'

<p><b>COASTAL ENGINEERING CONSULTANTS INC.</b>        Serving Coastal Communities Since 1977        28421 BONITA CROSSINGS BLVD        BONITA SPRINGS, FLORIDA 34135</p>	<p>COASTAL &amp; MARINE ENGINEERING        ENVIRONMENTAL &amp; GEOLOGICAL SERVICES        SURVEY AND MAPPING        ENGINEERING: CA 2464        SURVEYING: LB 2464</p>	<p>CLIENT: <b>CHARLOTTE COUNTY</b>        TITLE: <b>GULF COVE WATERWAYS        BATHYMETRIC SURVEY        CROSS SECTIONS: M 0+00 TO O 15+00</b></p>	<p>DATE: 8/28/2023        DRAWN: SDB        CHECKED: GVT        SEC: TWP.        ACAD NO.        REF. NO.</p>	<p>SCALE: AS NOTED        F.B.        PG.        RNO.        23075-AREA2-XSECT.dwg        23,075</p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	BY	REVISION DESCRIPTION								
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<p>SHEET 12        FILE NO: 23075-AREA2-X</p>	<p>PHONE: (239) 543-2324        FAX: (239) 543-1143        www.coastalengineering.com        E-Mail: info@cecif.com</p>	<p>DATE: 8/28/2023        DRAWN: SDB        CHECKED: GVT        SEC: TWP.        ACAD NO.        REF. NO.</p>	<p>SCALE: AS NOTED        F.B.        PG.        RNO.        23075-AREA2-XSECT.dwg        23,075</p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	BY	REVISION DESCRIPTION									
NO.	DATE	BY	REVISION DESCRIPTION														





SHEET 14  
 FILE NO. 23075-AREA2-X-SECTION

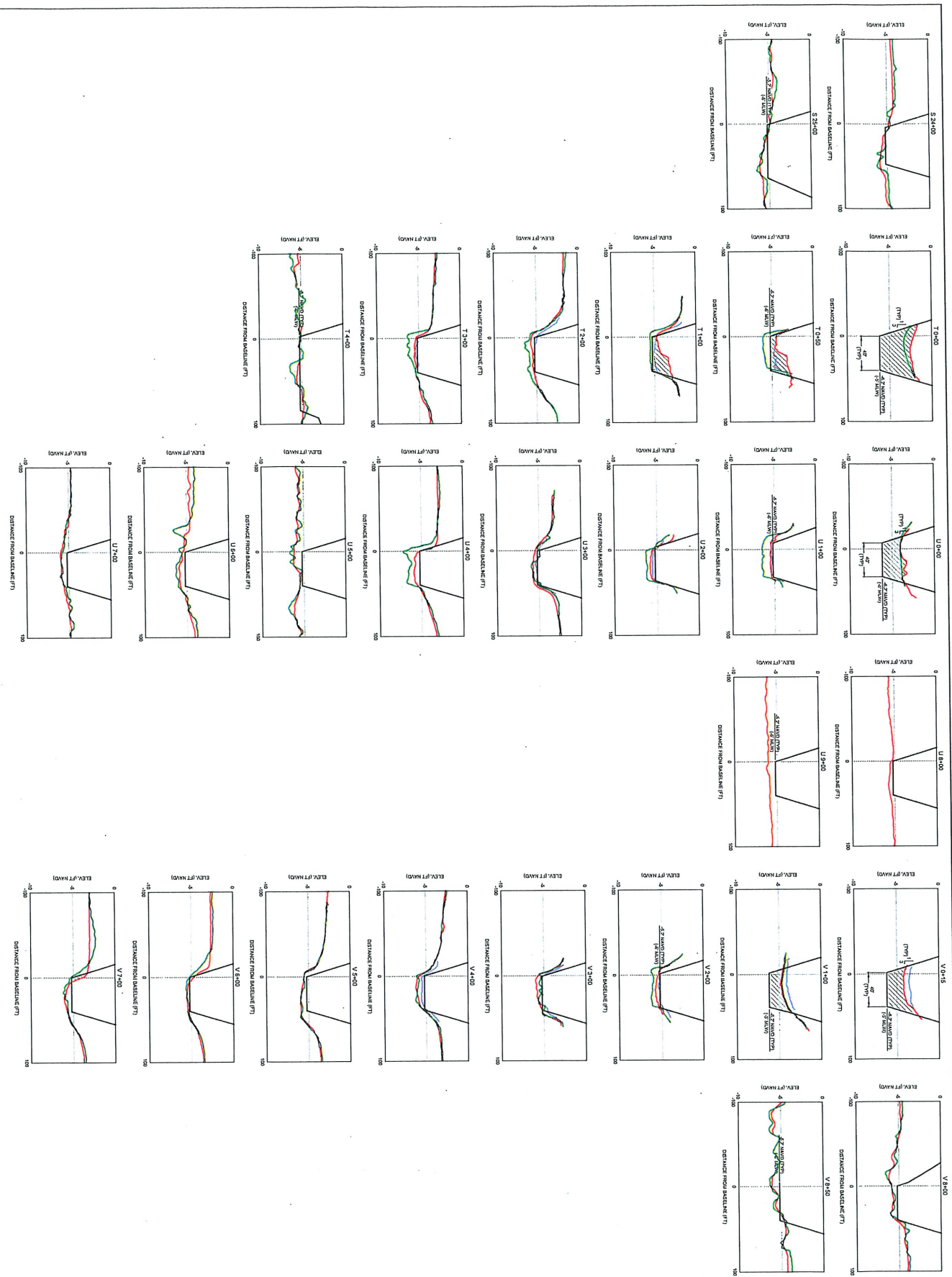
**COASTAL ENGINEERING CONSULTANTS INC.**  
 Serving Coastal Communities Since 1977  
 28421 BONITA CROSSINGS BLVD  
 BONITA SPRINGS, FLORIDA 34135

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@cecif.com

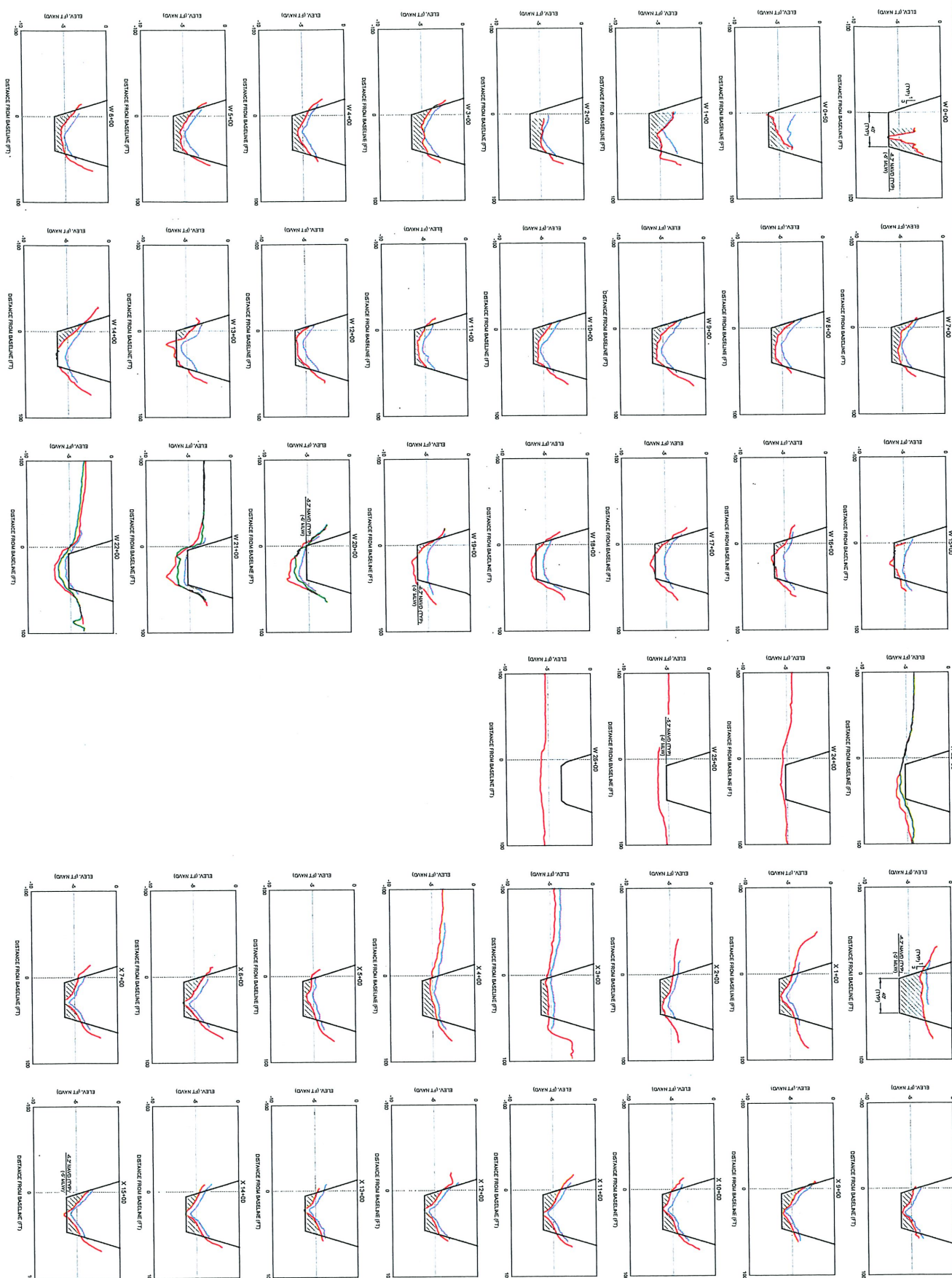
CLIENT: **CHARLOTTE COUNTY**  
 TITLE: **GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: Q 16+00 TO S 23+00**

DATE:	6/28/2023	SCALE:	1/8" = 1' = 20'
DRAWN:	SDB	AS NOTED:	
CHECKED:	GVT	NO.	
SEC.	TWP.	RNG.	
ACAD NO.	23075-AREA2-X-SECTION		
REF. NO.	23,075		
NO.	DATE	BY	REVISION DESCRIPTION



LEGEND  
 CONCRETE TYPICAL AREA  
 CONCRETE AREA  
 CONCRETE SURVEY  
 CONCRETE SURVEY  
 SCALE  
 1" = 100'  
 1" = 100'

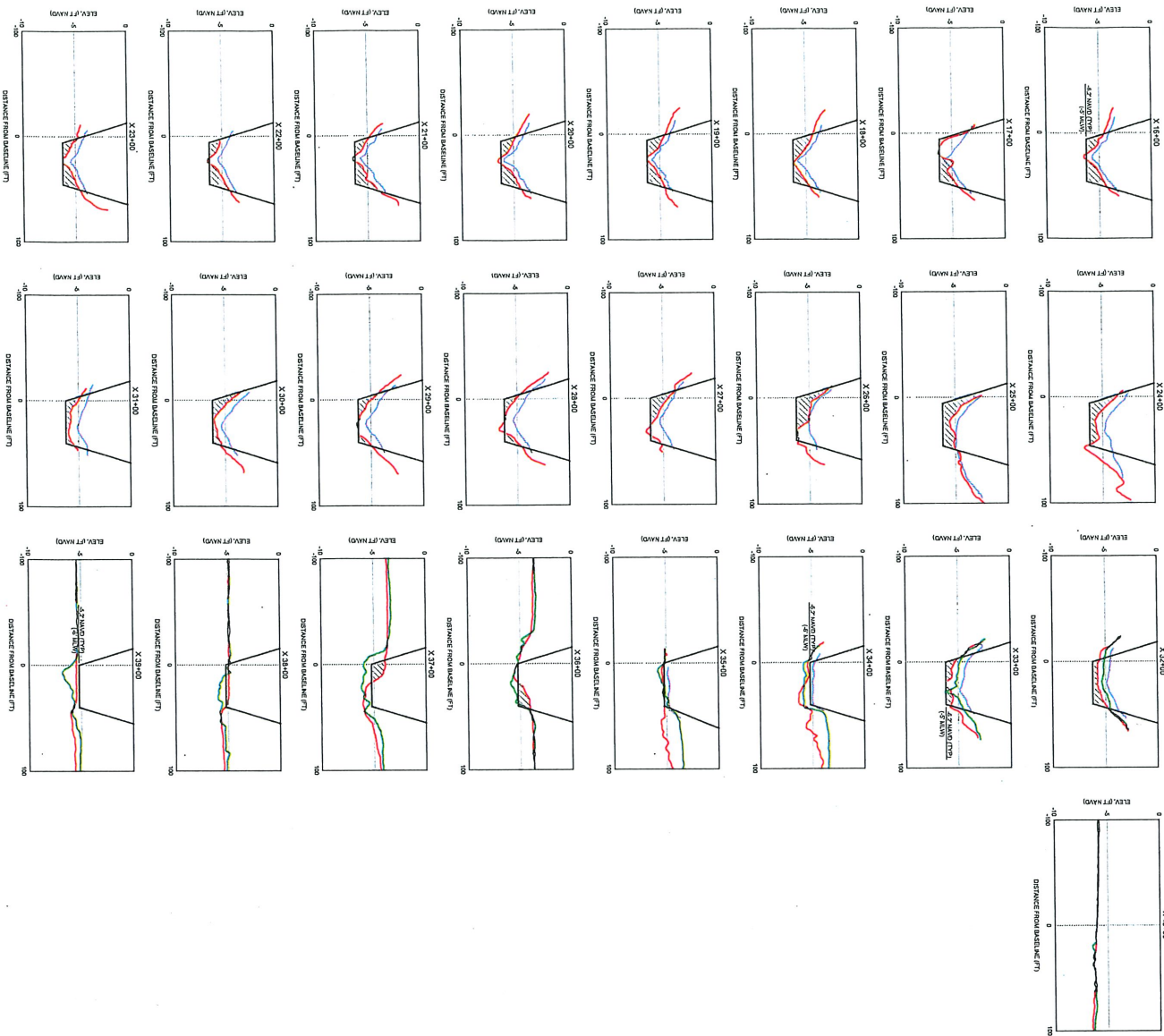
SHEET 15 FILE NO. 23075-AREA2-3	<b>COASTAL ENGINEERING CONSULTANTS INC.</b> Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecoc.com	CLIENT: <b>CHARLOTTE COUNTY</b> TITLE: <b>GULF COVE WATERWAYS          BATHYMETRIC SURVEY          CROSS SECTIONS: 24+00 TO V 8+50</b>		DATE: 8/29/2023 DRAWN: SDB CHECKED: GVT SEC.: TWP. ACAD NO.: 23075-AREA2-XSCT.dwg REF. NO.: 23.075	SCALE: AS NOTED F.B. PG. RING. NO. 23.075 DATE BY REVISION DESCRIPTION



LEGEND  
 - channel trunk  
 - channel area  
 - 2Z MAND (FT)  
 - 2Z MAND (FT) (2 BATH)  
 - 510000 SURVEY

SCALE  
 1" = 100'


<p><b>COASTAL ENGINEERING CONSULTANTS INC.</b>        Serving Coastal Communities Since 1977        28421 BONITA CROSSINGS BLVD        BONITA SPRINGS, FLORIDA 34135</p>	<p>COASTAL &amp; MARINE ENGINEERING ENVIRONMENTAL &amp; GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING, CA 24864 SURVEYING: LB 2464</p> <p>PHONE: (239)643-2324        FAX: (239)643-1143        www.coastaleng.com        E-Mail: info@cecill.com</p>	<p>CLIENT: <b>CHARLOTTE COUNTY</b></p> <p>TITLE: <b>GULF COVE WATERWAYS BATHYMETRIC SURVEY</b></p> <p><b>CROSS SECTIONS: W 0+00 TO X 15+00</b></p>	<p>DATE: 6/29/2023</p> <p>DRAWN: SDB F.R.</p> <p>CHECKED: GVT PG.</p> <p>SEC: TYP. RING.</p> <p>ACAD NO. 23075-AREA2-XSECT.dwg</p> <p>REF. NO. 23,075</p>	<p>SCALE: AS NOTED</p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	BY	REVISION DESCRIPTION								
	NO.	DATE	BY	REVISION DESCRIPTION													
<p>SHEET 16        FILE NO. 23075-AREA2-16</p>	<p>THIS DRAWING IS THE PROPERTY OF COASTAL ENGINEERING CONSULTANTS INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING CONSULTANTS INC.</p>																

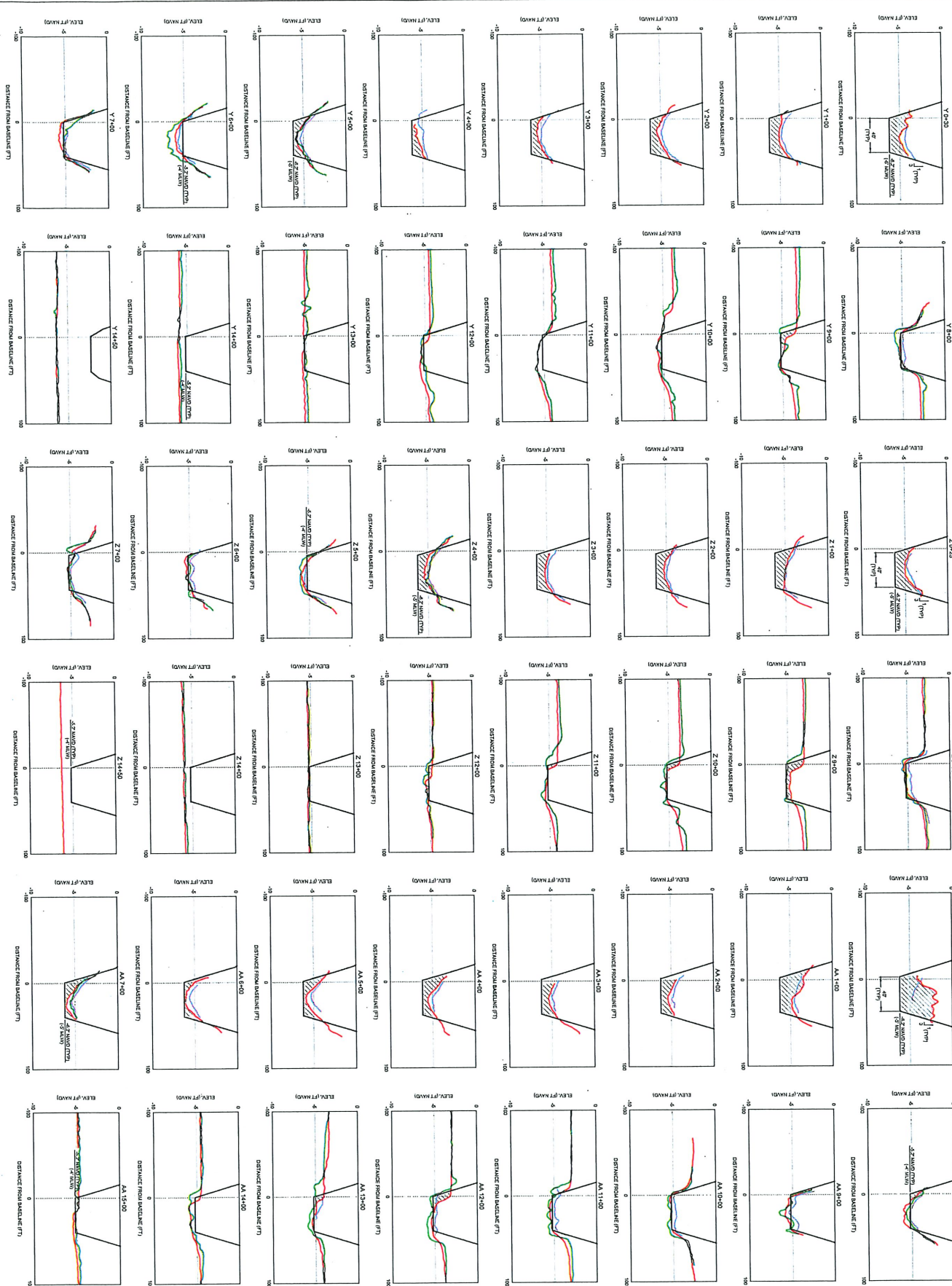


**LEGEND**

- ▨ CHANNEL TEMPLATE
- ▨ CHANNEL AREA
- ▨ 2015 BATHY SURVEY
- ▨ 2010 BATHY SURVEY
- ▨ 2005 BATHY SURVEY
- ▨ 2000 BATHY SURVEY

**SCALE**  
1" = 1' = 20'

 <b>COASTAL ENGINEERING CONSULTANTS INC.</b> Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464	<b>CHARLOTTE COUNTY</b>  <b>GULF COVE WATERWAYS</b> <b>BATHYMETRIC SURVEY</b> <b>CROSS SECTIONS: X 16+00 TO X 40+00</b>	DATE: 8/28/2023 DRAWN: SDB CHECKED: GVT SEC: TWP. ACAD NO.: 23075-AREA2-XSECT.dwg REF. NO.: 23,075
	CLIENT: CHARLOTTE COUNTY TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: X 16+00 TO X 40+00 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastal-engineering.com E-Mail: info@cecifl.com	SCALE: AS NOTED F.B. PG. RING. NO. DATE BY REVISION DESCRIPTION	



**LEGEND**

- CHANNEL FEATURE
- CHANNEL AREA
- 2018 CHANNEL SURVEY
- 2018 BATHYMETRY SURVEY
- 2019 BATHYMETRY SURVEY

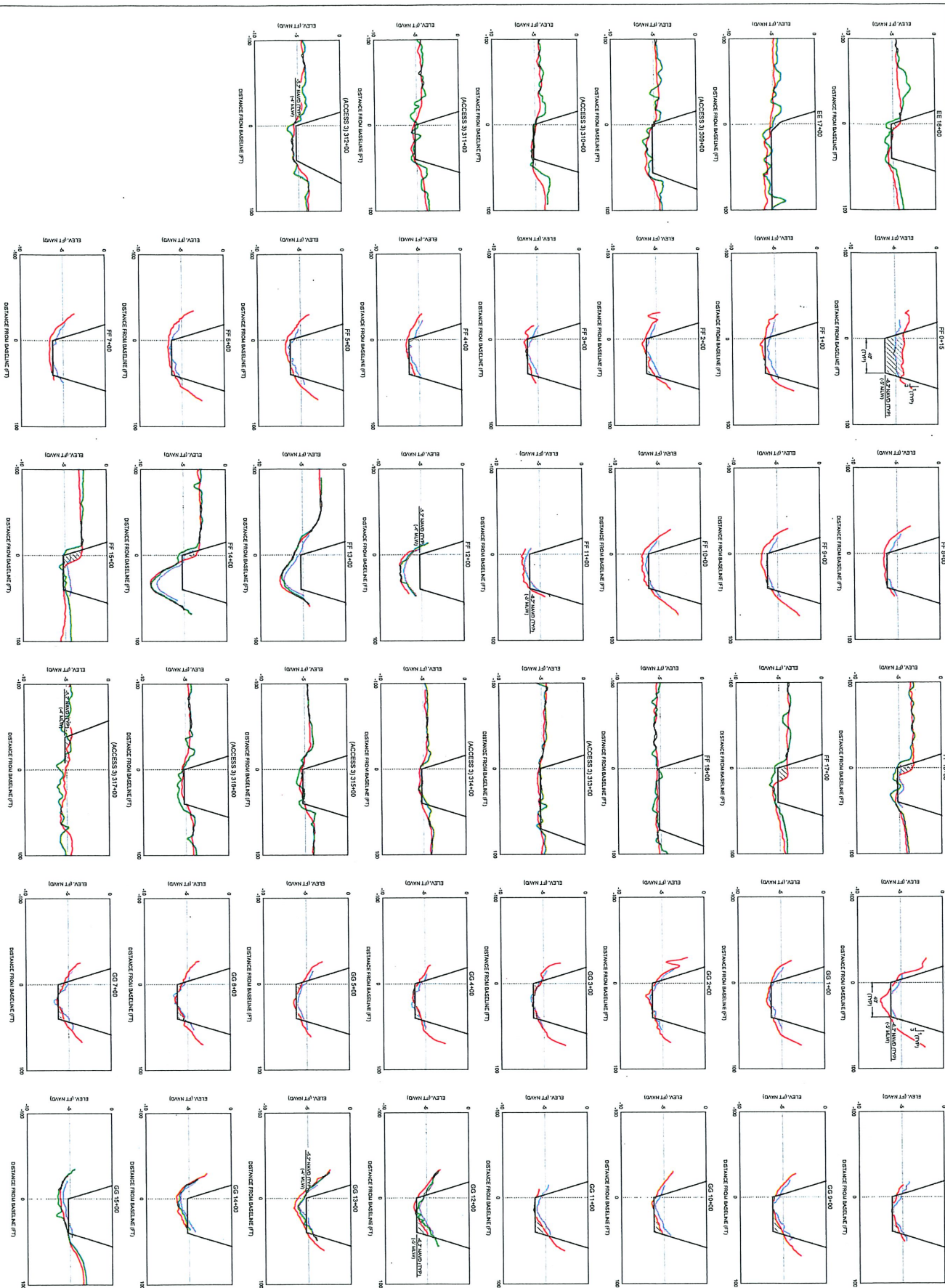
**SCALE**  
1" = 100'

<p>COASTAL ENGINEERING CONSULTANTS INC. Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135</p>	<p>COASTAL &amp; MARINE ENGINEERING ENVIRONMENTAL &amp; GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2484 SURVEYING: LB 2484 PHONE: (239) 643-2324 FAX: (239) 643-1143 www.coastalengineering.com E-Mail: info@cecill.com</p>	<p>CLIENT: CHARLOTTE COUNTY TITLE: GULF COVE WATERWAYS BATHYMETRIC SURVEY CROSS SECTIONS: Y 0+30 TO AA 15+00</p>	DATE: 02/29/2023	SCALE: AS NOTED	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	BY	REVISION DESCRIPTION				
			NO.	DATE		BY	REVISION DESCRIPTION						
<p>SHEET 18 FILE NO: 23075-AREA-X-SECT-18</p>	<p>DRAWN: SDB CHECKED: GVT SEC. TYP. ACAD NO. REF. NO.</p>	<p>DATE: 02/29/2023 F.B. GVT TYP. 23075-AREA-X-SECT.dwg 23,075</p>	<p>AS NOTED RNG. 23,075</p>										





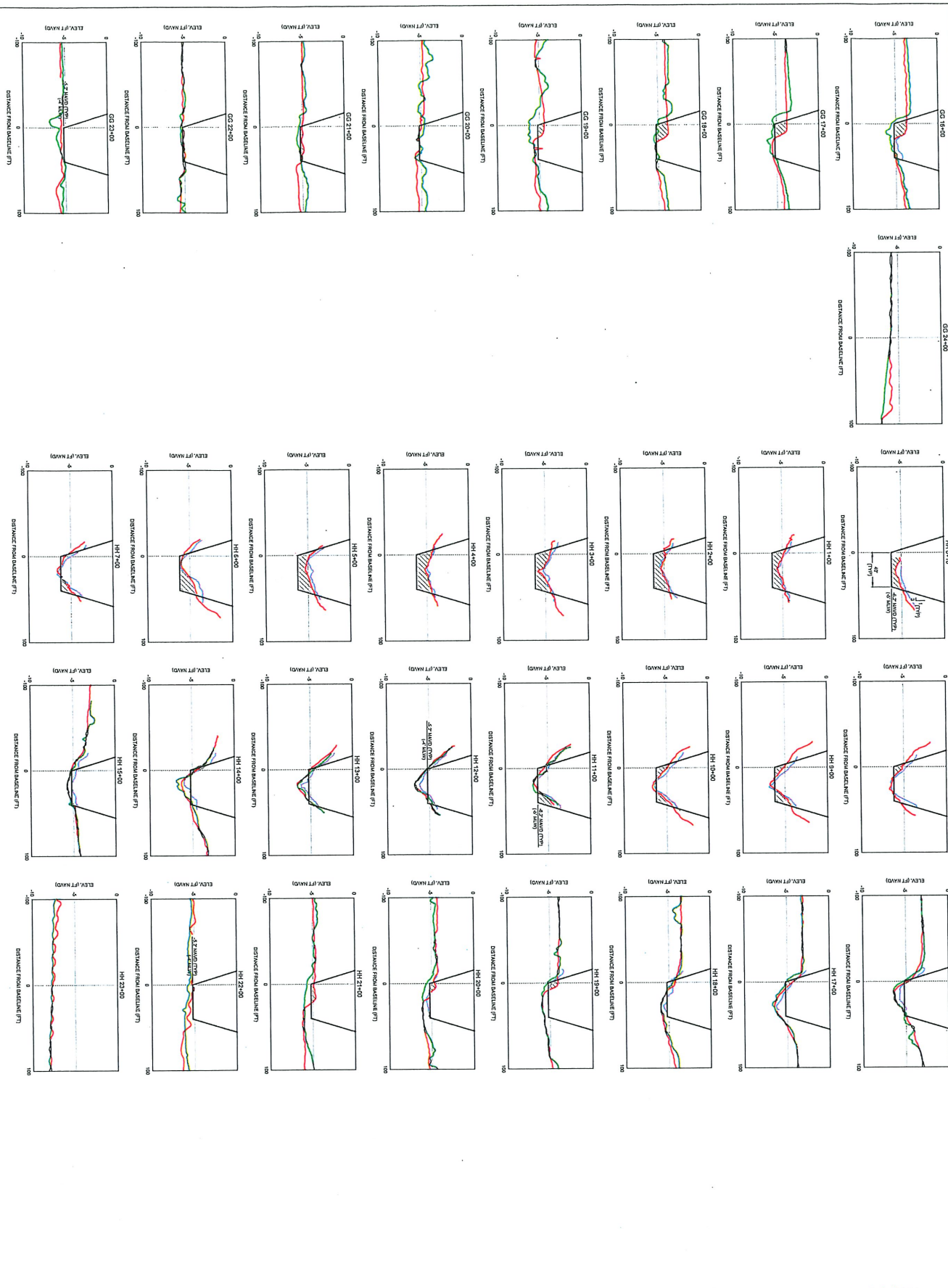




LEGEND  
 ■ EXISTING BATHYMETRY  
 ■ PROPOSED BATHYMETRY  
 ■ SURVEYED BATHYMETRY

SCALE  
 1" = 100'

<p>COASTAL ENGINEERING CONSULTANTS INC.        Serving Coastal Communities Since 1977        28421 BONITA CROSSINGS BLVD        BONITA SPRINGS, FLORIDA 34135</p>	<p>COASTAL &amp; MARINE ENGINEERING        ENVIRONMENTAL &amp; GEOLOGICAL SERVICES        SURVEY AND MAPPING        ENGINEERING, CA 2484        SURVEYING: LB 2484</p>	<p>CLIENT:        CHARLOTTE COUNTY</p> <p>TITLE:        GULF COVE WATERWAYS        BATHYMETRIC SURVEY        CROSS SECTIONS: EE 16+00 TO GG 15+00</p>	<p>DATE: 8/28/2023</p> <p>DRAWN: SDB</p> <p>CHECKED: GVT</p> <p>SEC: TWP.</p> <p>ACAD NO. 23075-AREA3.XSECT.dwg</p> <p>REF. NO.</p>	<p>SCALE: AS NOTED</p> <p>F.B.</p> <p>PG.</p> <p>RNG.</p> <p>23.075</p>	<p>NO.</p> <p>DATE</p> <p>BY</p> <p>REVISION DESCRIPTION</p>
	<p>PHONE: (239)643-2324        FAX: (239)643-1143        www.coastalengineering.com        E-Mail: info@ceci.com</p>	<p>FILE NO.: 2023-AREA3-24</p> <p>SHEET 21</p>	<p>DATE: 8/28/2023</p> <p>DRAWN: SDB</p> <p>CHECKED: GVT</p> <p>SEC: TWP.</p> <p>ACAD NO. 23075-AREA3.XSECT.dwg</p> <p>REF. NO.</p>	<p>SCALE: AS NOTED</p> <p>F.B.</p> <p>PG.</p> <p>RNG.</p> <p>23.075</p>	<p>NO.</p> <p>DATE</p> <p>BY</p> <p>REVISION DESCRIPTION</p>



**LEGEND**

- ▨ CHOCOE TRAIL
- ▨ CHOCOE AREA
- ▨ 2013 KASULI SURVEY
- ▨ 1/2020 SURVEY
- ▨ 1/2022 SURVEY

**SCALE**  
1" = 10'

SHEET 22  
FILE NO.: 23075-AREA-X

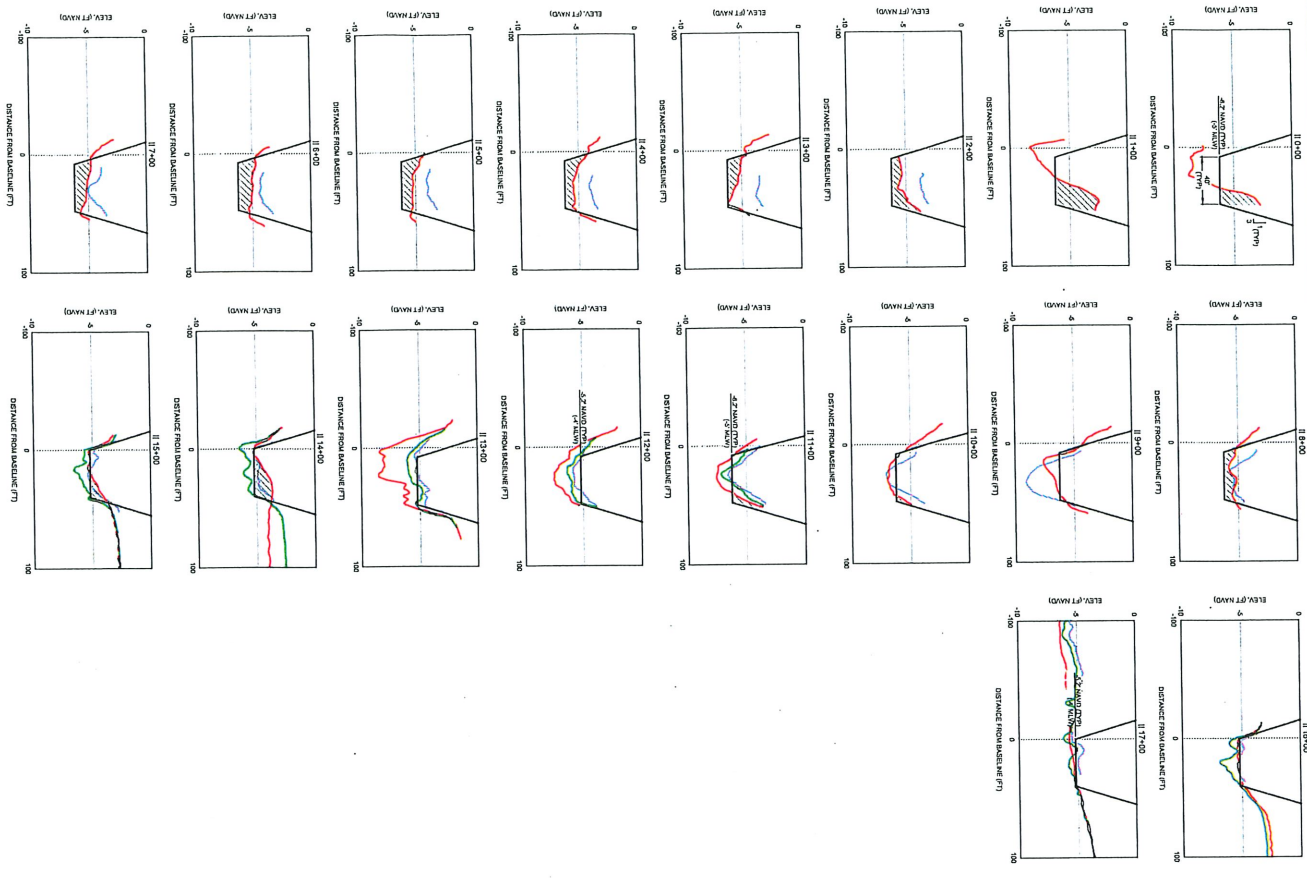
**COASTAL ENGINEERING CONSULTANTS INC.**  
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BONITA SPRINGS, FLORIDA 34135

COASTAL & MARINE ENGINEERING  
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SURVEYING, LB 2484  
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www.coastalengineering.com  
E-Mail: info@cecli.com

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

DATE:	6/28/2023	SCALE:	AS NOTED
DRAWN:	SDB	F.B.	
CHECKED:	GVT	FG	
SEC.	TWP.	RNG.	
ACAD NO.	23075-AREA-XSECT.dwg		
REF. NO.	23.075	NO.	DATE

NO.	DATE	BY	REVISION DESCRIPTION



**LEGEND**

- BOUNDARY
- BOUND AREA
- 2013 BATHYMETRY
- 2008 BATHYMETRY
- 2003 BATHYMETRY
- 2000 BATHYMETRY

**SCALE**  
1" = 10'

**COASTAL & MARINE ENGINEERING**  
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CLIENT: **CHARLOTTE COUNTY**

TITLE: **GULF COVE WATERWAYS  
BATHYMETRIC SURVEY  
CROSS SECTIONS: II 0+00 TO II 17+00**

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.	DATE
		BY	REVISION DESCRIPTION

SHEET 23  
FILE NO.: 23075-AREA3