

**MINUTES
BUENA VISTA AREA WATERWAY
MUNICIPAL SERVICE BENEFIT UNIT (MSBU)**

**ADVISORY BOARD REGULAR MEETING
WEDNESDAY, OCTOBER 4, 2023**

**10:36 a.m. – 11:54 a.m.
Charlotte Harbor Event and Conference Center
75 Taylor Street, Port Charlotte, Florida**

Members Present: Charles Witzke, Chair
Donna Elliott, Vice-Chair
Steve Abella
Richard Russell
Jed Thompson

Members Absent: None
County Staff: Erica Lemaster, Community Liaison
Zach Patchell, Projects Manager

Guests: See attached sign in sheet

Call to Order / Roll Call:

The meeting was called to order at 10:36 a.m. A roll call was taken, and a quorum was established.

Changes to Agenda/ Motion to Approve Changes:

There was a motion to move the Annual review of Sunshine Law, Robert Rules of Order, Public Records, and Election of officers to next meeting. The motion passed unanimously.

Citizen Input on Agenda Items (3 Minute Limit):

John Thompson introduced himself to the group and was eager to hear about East and West Sping Lake.

Approval of Minutes:

The minutes from the July 26, 2023, meeting was unanimously passed.

Unfinished Business:

- a. FY23 Post Storm Survey: Mr. Patchell provided an update regarding the post-storm survey. There were concerns regarding the previous Hurricane Idalia causing a change to the Post Storm Survey results. The group has concerns with the storm surge Idalia Mr. Patchell advised that they have one more survey done before bid to update the quantities. Mr. Patchell reminded the group of the importance of the Advisory Board funding annual surveys and discussed the current authorization is in place until year 2026. He discussed his efforts for a county wide permit for a ten-year exemption, explaining what it includes and his future goals.
Update – Exterior Dredge Project: Mr. Patchell provided an update regarding the Exterior Dredge Project letting the group know the estimate we have been receiving from current bids are coming in much higher than past years, an estimated project start date, and the efforts Mr. Patchell has made to entice lower bidding. There was question of why contractors come in to dredge at different locations during different dredges. Mr. Patchell explained that each dredge is different. Discussion continued to discuss hydraulic dredging compared to mechanical dredging. Mr. Patchell explained that the bid is open for

either process. Mr. Russell discussed funding for Hayward Canal's Public Boat Ramp vs. the Sunrise Waterway Public Boat ramp funding sources. It was clarified that they both receive MSBU funding. Discussion continued regarding East and West Spring Lake paying into the Buena Vista Waterway Unit. Ms. LeMaster explained the pros and cons and her conversation with legal. She then brought up the Estimated Residential Unit taxes that Hayward receives. The group agreed not to move forward with East and West Spring Lake at this time. Discussion followed regarding the possibility of removing Edgewater North's responsibility from maintaining the Elkcam and Sunrise Waterways. At this time all options have been exhausted and the funding split remains 50/50 and would be up to the Board of County Commissioners to override. There was discussion regarding the benefits of emergency dredging, spot dredging, planned maintenance, and applying for grant funding on a yearly basis. Mr. Abella made a motion to schedule dredging on a biannual basis for three cycles after the current dredge project, and to apply for grant funding each year from West Coast Inland Navigational District (WCIND), or as recommended by the experts. The motion was seconded and passed unanimously.

New Business:

- a. Financial Reports: The FY24 adopted and FY25 approved budget, third quarter actual expenditure report, and third quarter monthly funding report (formerly maintenance activity report) were reviewed.

Citizen Input on MSBU Items (3 Minute Limit):

Mr. Thompson discussed his frustrations with the permit process, dredging process, the length of time it takes to start a project, and the need for dredging of the Sunrise Waterway, explaining the erosion and tide issues.

Advisory Board Open Discussion:

There was discussion regarding the beach point, and a long-term solution to mitigate in fill. Mr. Patchell reminded the group that they don't control that point. The group requested to be included in a meeting with Parks and Recreation regarding the beach access point. The group pointed out marker 8 and the East and West Spring Lake markers needing attention. Ms. LeMaster will follow up with Traffic Signing and Marking.

Schedule Meetings / Items for Next Agenda:

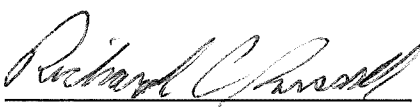
The 2024 meeting schedule was unanimously passed with the request to reschedule the November 2024 meeting.

Future meetings are tentatively scheduled at 10:00 a.m. at the Charlotte Harbor Event Center as follows:

- February 21, 2024
- May 22, 2024
- August 28, 2024

The meeting adjourned at 11:54 a.m.

Submitted by: Erica LeMaster
Public Works Department


Chair Signature

5/22/24
Date

**AGENDA
BUENA VISTA AREA WATERWAY
MUNICIPAL SERVICE BENEFIT UNIT (MSBU)**

**ADVISORY BOARD REGULAR MEETING
WEDNESDAY, October 4, 2023**

**10:30 a.m., Port Charlotte Library
Aaron St, Port Charlotte, Florida**

BOARD MEMBERS: Charles Witzke, Chair
Donna Elliott, Vice-Chair
Steve Abella
Richard Russell
Jed Thompson

COUNTY STAFF: Karlene McDonald, Operations Supervisor
Erica LeMaster, Community Liaison

PURPOSE: Regular Meeting

1. Call to Order / Roll Call
2. Election of Officers
3. Annual Review – Sunshine Law, Roberts Rules of Order, Public Records
4. Changes to the Agenda / Motion to Approve Changes
5. Citizen Input on Agenda Items (3-Minute Limit)
6. Approval of Minutes: June 26, 2023
7. Approval of Meeting Schedule: Fiscal Year 2024
8. Unfinished Business
 - a. FY23 Post Storm Survey
 - a. Exterior Dredge Project
9. New Business
 - a. Financial Reports
 - b. East & West Spring Lake Waterway
10. Citizen Input MSBU Items (3-Minute Limit)
11. Advisory Board Open Discussion
12. Meeting Schedule / Items for Next Agenda
13. Motion to Adjourn

Buena Vista Waterway MSBU
2 Year Budget
FY2024 & FY2025

Estimated ERU's and Cost per ERU

	FY2024	FY2025
Vacant and Occupied		
<i>Estimated ERU's</i>	992.500	992.500
<i>Cost per ERU</i>	\$ 100.00	\$ 100.00
Current FY23 Rate	\$ 100.00	
Current Maximum Rate	\$ 679.62	

	Adopted Budget FY2024	Approved Budget FY2025
Beginning Balance	\$ 674,737	\$ 393,511
<u>Revenues</u>		
Assessments & Earnings		
<i>Assessments</i>	99,250	99,250
<i>Interest</i>	2,362	1,378
<i>Net Inc/(Decr) Fair Market Value-Investments</i>	-	-
<i>Misc Rev-Refund Prior Year Exp</i>	-	-
<i>Excess Fees /Tax Collector</i>	-	-
<i>Less 5% Reserve - FS 129.01(2)b</i>	(5,081)	(5,032)
Grant & Subsidy Revenue		
<i>Interfund Trf-Boater Revolving</i>	45,000	-
Loans & Borrowing		
<i>Debt Proceeds</i>	-	-
Total Revenue	\$ 141,531	\$ 95,596
<u>Expenditures</u>		
Contract Services		
<i>Other Contractual Svcs</i>	-	-
<i>Drainage</i>	-	-
Contract Services; other		
<i>Survey</i>	20,000	20,000
<i>Navigational Trimming</i>	-	-
Public Works Services		
<i>Equip Repl Charges-PubWrks</i>	276	276
<i>Operating Exp-PubWrks</i>	7,413	5,106
Internal Charges		
<i>Central/Indirect Svcs</i>	1,235	1,297

	Adopted Budget FY2024	Approved Budget FY2025
Purchased Services		
<i>Postage-MSBU Notices</i>	-	-
<i>Advertising-Legal</i>	-	-
<i>Collection Fee-Tax Collector</i>	1,985	1,985
Materials and Supplies		
Capital Outlay		
Debt Services		
<i>Principal</i>	-	-
<i>Interest</i>	-	-
Project Costs		
<i>Buena Vista WW Maint Dredge</i>		
<i>Engineering</i>	70,725	-
<i>Dredging</i>	311,648	-
<i>Labor</i>	9,475	-
Total Expenditures	422,757	28,664
Reserves (Ending Fund Balance)	\$ 393,511	\$ 460,443
<i>Reserve %</i>	48.2%	94.1%

*Per Legal: Edgewater North Waterway and Buena Vista Waterway split dredging costs proportionately.

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
TOTAL	8,766	1,082	4,966	671	31,922	832	48,239

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

Monthly Funding Report

START DATE:

10/01/2022

END DATE:

06/30/2023

Buena Vista Area Waterway Unit

Project	WO Number	WO Description	Location	Date Worked	Labor Hours	Labor Cost	Materials Cost	Equip. Cost	Contractor Cost	Work Accomp	Total Cost
	2863	Project Management		03/01/2023	1.25	106.81	0.00	0.00	0.00	0.00	106.81
	2863	Project Management		04/12/2023	0.50	42.73	0.00	0.00	0.00	0.00	42.73
	2863	Project Management		05/24/2023	1.00	85.45	0.00	0.00	0.00	0.00	85.45
	2863	Project Management		06/20/2023	1.00	85.45	0.00	0.00	0.00	0.00	85.45
	2863	Project Management		06/28/2023	1.25	106.81	0.00	0.00	0.00	0.00	106.81
Plan/Spec Review Total											
					5.00	427.25	0.00	0.00	0.00	0.00	427.25
					19.50	1,666.28	0.00	0.00	0.00	0.00	1,666.27
Work Order 2863 Total											
cmd2203 - Buena Vista WW Maintenance Dredge											
					19.50	1,666.28	0.00	0.00	0.00	0.00	1,666.27
					54.75	4,007.53	0.00	209.04	0.00	0.00	4,216.60
Buena Vista Area Waterway Unit Total											

Monthly Funding Report

START DATE:

10/01/2022

END DATE:

06/30/2023

Buena Vista Area Waterway Unit

Project	WO Number	WO Description	Location	Date Worked	Labor Hours	Labor Cost	Materials Cost	Equip. Cost	Contractor Cost	Work Accomp	Total Cost
	12558	Marine Debris Removal		06/15/2023	27.00	1,723.86	0.00	197.28	0.00		1,921.14
	Work Order 12558 Total 188 BALDWIN CT, Port Charlotte, 33952										
	Marine Debris Removal Total										
	6151	MSBU Administrative Work		06/21/2023	0.50	42.73	0.00	0.00	0.00		42.73
	6151	MSBU Administrative Work		06/22/2023	0.25	21.36	0.00	0.00	0.00		21.36
	6151	MSBU Administrative Work		06/28/2023	0.25	21.36	0.00	0.00	0.00		21.36
	6151	MSBU Administrative Work		06/29/2023	0.25	21.36	0.00	0.00	0.00		21.36
	6151	MSBU Administrative Work		03/02/2023	1.00	72.94	0.00	0.00	0.00		72.94
	MSBU Minutes Total										
	6151	MSBU Administrative Work		03/02/2023	1.00	72.94	0.00	0.00	0.00		72.94
	6151	MSBU Administrative Work		03/07/2023	0.75	54.71	0.00	0.00	0.00		54.71
	6151	MSBU Administrative Work		03/07/2023	0.25	18.24	0.00	0.00	0.00		18.24
	6151	MSBU Administrative Work		03/10/2023	0.25	18.24	0.00	0.00	0.00		18.24
	6151	MSBU Administrative Work		03/17/2023	0.25	18.24	0.00	0.00	0.00		18.24
	6151	MSBU Administrative Work		03/22/2023	0.25	18.24	0.00	0.00	0.00		18.24
	6151	MSBU Administrative Work		03/28/2023	0.25	18.24	0.00	0.00	0.00		18.24
	6151	MSBU Administrative Work		05/01/2023	0.25	18.24	0.00	0.00	0.00		18.24
	6151	MSBU Administrative Work		05/17/2023	0.50	36.47	0.00	0.00	0.00		36.47
	6151	MSBU Administrative Work		06/20/2023	0.25	18.24	0.00	0.00	0.00		18.24
	Administrative Time Total										
	6151	MSBU Administrative Work		03/01/2023	3.00	218.82	0.00	0.00	0.00		218.86
	MSBU Meeting Total										
	6151	MSBU Administrative Work		03/01/2023	3.00	218.82	0.00	11.76	0.00		230.58
	MSBU Meeting Total										
	6151	MSBU Administrative Work			3.00	218.82	0.00	11.76	0.00		230.58

Monthly Funding Report

START DATE:

10/01/2022

END DATE:

06/30/2023

Buena Vista Area Waterway Unit

Project	WO Number	WO Description	Location	Date Worked	Labor Hours	Labor Cost	Materials Cost	Equip. Cost	Contractor Cost	Work Accomp	Total Cost
	Work Order 6151 Total										
	MSBU Administrative Work Total										
	2863	Project Management		02/24/2023	8.25	617.39	0.00	11.76	0.00	0.00	629.19
	2863	Project Management		02/28/2023	3.00	256.35	0.00	0.00	0.00	0.00	256.35
	2863	Project Management		03/02/2023	2.00	170.90	0.00	0.00	0.00	0.00	170.90
	2863	Project Management		04/05/2023	0.50	42.73	0.00	0.00	0.00	0.00	42.73
	2863	Project Management		05/17/2023	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	2863	Project Management		11/23/2022	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	2863	Project Management		12/13/2022	0.50	42.73	0.00	0.00	0.00	0.00	42.73
	2863	Project Management		02/02/2023	0.50	42.73	0.00	0.00	0.00	0.00	42.73
	2863	Project Management		02/23/2023	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	2863	Project Management		03/01/2023	3.25	277.71	0.00	0.00	0.00	0.00	277.71
	2863	Project Management		03/23/2023	0.50	42.73	0.00	0.00	0.00	0.00	42.73
	2863	Project Management		04/18/2023	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	2863	Project Management		05/02/2023	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	2863	Project Management		05/16/2023	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	2863	Project Management		06/01/2023	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	2863	Project Management		06/16/2023	0.25	21.36	0.00	0.00	0.00	0.00	21.36
	2863	Project Management		06/28/2023	1.25	106.81	0.00	0.00	0.00	0.00	106.81
	Public Outreach Total										
					7.75	662.24	0.00	0.00	0.00	0.00	662.23
	2863	Project Management		03/07/2023	0.75	64.09	0.00	0.00	0.00	0.00	64.09
	Project Meetings Total										
					0.75	64.09	0.00	0.00	0.00	0.00	64.09

Monthly Funding Report

START DATE:

10/01/2022

END DATE:

06/30/2023

Page 4 of 4

Project	WO Number	WO Description	Location	Date Worked	Labor Hours	Labor Cost	Materials Cost	Equip. Cost	Contractor Cost	Work Accomp	Total Cost
					54.75	4,007.53	0.00	209.04	0.00		4,216.60

Grand totals for all MSBUs reported

Buena Vista Waterway MSBU

Fund Financial Report

Oct. 1, 2022 - June 30, 2023

	Actual FY2022	Adopted Budget FY2023	YTD Actual FY2023	Projected FY2023
Beginning Balance	\$549,799	\$600,854	\$614,248	\$614,248
Revenues				
Assessments & Earnings	89,778	96,124	107,858	96,124
Grant & Subsidy Revenue	-	-	-	-
Loans & Borrowing	-	45,000	-	-
Total Revenue	\$89,778	\$141,124	\$107,858	\$96,124
Expenditures				
Contract Services	-	-	-	-
Survey	-	25,000	-	25,000
Navigational Trimming	-	-	-	-
Public Works Services	5,135	7,063	449	5,995
Internal Charges	1,308	1,373	1,373	1,373
Purchased Services	1,212	2,135	1,870	1,985
Materials and Supplies	-	-	-	-
Capital Outlay	-	-	-	-
Debt Services	-	-	-	-
Project Costs				
Buena Vista WW Maint Dredge	17,674	463,943	1,068	1,068
Total Expenditures	\$25,329	\$499,514	\$4,761	\$35,421
Reserves (Ending Fund Balance)	\$614,248	\$242,464	\$717,345	\$674,951
<i>Reserve %</i>	96.0%	32.7%	99.3%	95.0%

*Per Legal: Edgewater North Waterway and Buena Vista Waterway split dredging costs proportionately.

Date Prepared: 7/20/2023

ELKCAM WATERWAY DREDGE VOLUME

CEC FILE NO. 23.075

SURVEY DATE: 4/24/2023

DATE OF CALCULATION: 4/28/2023

STATION	AREA (YD3/FT)	AVE AREA (YD3/FT)	DISTANCE (FT)	VOLUME (CY)
0+00	0.0			
0+50	0.4	0.2	50	11
1+00	0.8	0.6	50	31
1+50	1.6	1.2	50	59
2+00	2.0	1.8	50	90
2+50	2.3	2.2	50	109
3+00	1.7	2.0	50	100
3+50	1.3	1.5	50	74
4+00	1.1	1.2	50	59
4+50	1.0	1.0	50	52
5+00	0.8	0.9	50	46
5+50	0.8	0.8	50	41
6+00	0.7	0.8	50	38
6+50	0.7	0.7	50	35
7+00	0.8	0.7	50	36
7+50	0.7	0.7	50	37
8+00	0.8	0.7	50	37
8+50	1.0	0.9	50	44
9+00	1.1	1.0	50	52
9+50	1.1	1.1	50	54
10+00	1.0	1.1	50	53
10+50	0.9	1.0	50	50
11+00	1.0	1.0	50	49
11+50	0.8	0.9	50	45
12+00	0.9	0.8	50	41
12+50	0.8	0.8	50	42
13+00	0.8	0.8	50	40
13+50	1.0	0.9	50	44
14+00	0.9	1.0	50	48
14+50	1.1	1.0	50	50
15+00	0.8	0.9	50	47
15+50	0.9	0.8	50	41
16+00	0.8	0.8	50	41
16+50	0.9	0.9	50	43
17+00	0.9	0.9	50	45
17+50	0.6	0.8	50	38
18+00	0.1	0.4	50	18
18+50	0.0	0.0	50	2
19+00	0.0	0.0	50	1
19+50	0.2	0.1	50	7
20+00	0.1	0.2	50	9
20+50	0.0	0.1	50	4
21+00	0.0	0.0	50	1
21+50	0.0	0.0	50	0
22+00	0.0	0.0	50	0
22+50	0.0	0.0	50	0
23+00	0.0	0.0	50	0
23+50	0.0	0.0	50	0
24+00	0.0	0.0	50	0
24+50	0.1	0.1	50	3
25+00	0.2	0.2	50	8
25+50	0.3	0.2	50	12
26+00	0.2	0.2	50	12

ELKCAM WATERWAY DREDGE VOLUME

CEC FILE NO. 23.075

SURVEY DATE: 4/24/2023

DATE OF CALCULATION: 4/28/2023

26+50	0.1	0.1	50	7
27+00	0.0	0.1	50	4
27+50	0.1	0.1	50	3
28+00	0.3	0.2	50	8
28+50	0.5	0.4	50	18
29+00	0.7	0.6	0+50	28
29+50	0.0	0.3	50	16

TOTAL	1,885
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BEENEY WATERWAY DREDGE VOLUME

CEC FILE NO. 23.075

SURVEY DATE: 4/24/2023

DATE OF CALCULATION: 4/28/2023

STATION	AREA (YD3/FT)	AVE AREA (YD3/FT)	DISTANCE (FT)	VOLUME (CY)
0+00	0.0			
0+50	0.0	0.0	50	0
1+00	0.0	0.0	50	1
1+50	0.0	0.0	50	1
2+00	0.0	0.0	50	0
2+50	0.0	0.0	50	0
3+00	0.0	0.0	50	0
3+50	0.3	0.1	50	7
4+00	0.8	0.6	50	28
4+50	1.0	0.9	50	46
5+00	0.7	0.9	50	43
5+50	0.9	0.8	50	39
6+00	0.8	0.8	50	42
6+50	0.6	0.7	50	35
7+00	0.6	0.6	50	31
7+50	0.7	0.7	50	33
8+00	0.5	0.6	50	30
8+50	0.6	0.5	50	27
9+00	0.6	0.6	50	28
9+50	0.6	0.6	50	30
10+00	0.5	0.6	50	29
10+50	0.5	0.5	50	26
11+00	0.4	0.4	50	22
11+50	0.4	0.4	50	20
12+00	0.4	0.4	50	19

TOTAL	538
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GARDNER WATERWAY DREDGE VOLUME

CEC FILE NO. 23.075

SURVEY DATE: 4/24/2023

DATE OF CALCULATION: 4/28/2023

STATION	AREA (YD3/FT)	AVE AREA (YD3/FT)	DISTANCE (FT)	VOLUME (CY)
0+00	0.4			
0+50	0.4	0.4	50	22
1+00	0.1	0.3	50	13
1+50	0.3	0.2	50	10
2+00	2.4	1.4	50	68
2+50	3.5	3.0	50	149
3+00	4.1	3.8	50	192
3+50	4.1	4.1	50	205
4+00	4.0	4.0	50	200
4+50	3.2	3.6	50	180
5+00	2.8	3.0	50	151
5+50	2.6	2.7	50	134
6+00	2.0	2.3	50	115
6+50	1.7	1.9	50	94
7+00	1.6	1.7	50	84
7+50	1.2	1.4	50	71
8+00	1.7	1.5	50	73
8+50	1.6	1.7	50	84
9+00	1.5	1.6	50	78
9+50	1.5	1.5	50	74
10+00	0.8	1.1	50	57
10+50	0.9	0.9	50	44
11+00	0.7	0.8	50	41
11+50	0.7	0.7	50	37
12+00	0.7	0.7	50	36
12+50	0.6	0.7	50	34
13+00	0.5	0.6	50	30
13+50	0.4	0.5	50	24
14+00	0.4	0.4	50	21
14+50	0.4	0.4	50	21
15+00	0.6	0.5	50	25
15+50	0.5	0.5	50	27
16+00	0.5	0.5	50	27
16+50	0.3	0.4	50	22
17+00	0.2	0.3	50	14
17+50	0.2	0.2	50	9
18+00	0.1	0.1	50	6
18+50	0.0	0.0	50	2

TOTAL	2,472
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CREEK DR DREDGE VOLUME

CEC FILE NO. 23.075

SURVEY DATE: 4/24/2023

DATE OF CALCULATION: 4/28/2023

STATION	AREA (YD3/FT)	AVE AREA (YD3/FT)	DISTANCE (FT)	VOLUME (CY)
0+50	0.0			
1+00	5.1	2.6	50	129
1+50	4.8	5.0	50	248
2+00	3.1	4.0	50	198
2+50	2.7	2.9	50	146
3+00	3.7	3.2	50	159
3+50	4.4	4.0	50	201
4+00	4.2	4.3	50	214
4+50	3.9	4.0	50	201
5+00	3.2	3.6	50	178
5+50	2.5	2.9	50	144
6+00	2.1	2.3	50	117
6+50	1.3	1.7	50	86
7+00	1.2	1.3	50	63
7+50	0.9	1.1	50	53
8+00	0.2	0.6	50	28
8+50	0.1	0.1	50	7
9+00	0.0	0.0	50	2
9+50	0.3	0.2	50	9
10+00	0.4	0.4	50	18
10+50	0.6	0.5	50	24
11+00	0.4	0.5	50	24
11+50	0.2	0.3	50	16
12+00	0.1	0.2	50	9
12+50	0.2	0.2	50	8
13+00	0.4	0.3	50	14
13+50	0.3	0.3	50	15
14+00	0.0	0.1	50	7
14+50	0.0	0.0	50	1
15+00	0.0	0.0	50	1
15+50	0.0	0.0	50	1
16+00	0.0	0.0	50	0
16+50	0.0	0.0	50	0
17+00	0.0	0.0	50	0
17+50	0.0	0.0	50	0
18+00	0.0	0.0	50	0
18+50	0.0	0.0	50	0
19+00	0.0	0.0	50	0
19+50	0.0	0.0	50	0
20+00	0.0	0.0	50	0
20+50	0.0	0.0	50	0
21+00	0.0	0.0	50	0

TOTAL	2,320
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GEORGE RD DREDGE VOLUME

CEC FILE NO. 23.075

SURVEY DATE: 4/24/2023

DATE OF CALCULATION: 4/28/2023

STATION	AREA (YD3/FT)	AVE AREA (YD3/FT)	DISTANCE (FT)	VOLUME (CY)
200+00	0.0			
200+50	1.6	0.8	50	40
201+00	1.2	1.4	50	69
201+50	1.1	1.1	50	57
202+00	1.3	1.2	50	60
202+50	1.2	1.2	50	62
203+00	1.2	1.2	50	60
203+50	1.2	1.2	50	62
204+00	1.4	1.3	50	65
204+50	1.5	1.4	50	71
205+00	1.3	1.4	50	69
205+50	1.2	1.3	50	63
206+00	1.2	1.2	50	60
206+50	1.1	1.2	50	58
207+00	1.0	1.1	50	54
207+50	0.9	1.0	50	48
208+00	0.6	0.8	50	38
208+50	0.5	0.6	50	29
209+00	0.0	0.3	50	13

TOTAL	976
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LATERAL CHANNEL DREDGE VOLUME

CEC FILE NO. 23.075

SURVEY DATE: 4/24/2023

DATE OF CALCULATION: 4/28/2023

STATION	AREA (YD3/FT)	AVE AREA (YD3/FT)	DISTANCE (FT)	VOLUME (CY)
400+50	0.0			
401+00	0.0	0.0	50	0
401+50	0.0	0.0	50	0
402+00	0.0	0.0	50	0
402+50	0.0	0.0	50	0
403+00	0.0	0.0	50	0
403+50	0.0	0.0	50	0
404+00	0.0	0.0	50	0
404+50	0.0	0.0	50	0
405+00	0.0	0.0	50	0
405+50	0.0	0.0	50	0
406+00	0.0	0.0	50	0
406+50	0.0	0.0	50	0
407+00	0.0	0.0	50	0
407+50	0.0	0.0	50	0
408+00	0.0	0.0	50	0
408+50	0.0	0.0	50	0
409+00	0.0	0.0	50	0
409+50	0.0	0.0	50	0
410+00	0.0	0.0	50	0
410+50	0.0	0.0	50	0
411+00	0.0	0.0	50	0
411+50	0.0	0.0	50	0
412+00	0.0	0.0	50	0
412+50	0.0	0.0	50	0
413+00	0.0	0.0	50	0
413+50	0.0	0.0	50	0
414+00	0.0	0.0	50	0
414+50	0.0	0.0	50	0
415+00	0.0	0.0	50	0
415+50	0.0	0.0	50	0
416+00	0.0	0.0	50	0
416+50	0.0	0.0	50	0
417+00	0.0	0.0	50	0
417+50	0.0	0.0	50	0
418+00	0.0	0.0	50	0
418+50	0.0	0.0	50	0
419+00	0.0	0.0	50	0
419+50	0.0	0.0	50	0
420+00	0.0	0.0	50	0
420+50	0.0	0.0	50	0
421+00	0.0	0.0	50	0
421+50	0.0	0.0	50	0
422+00	0.1	0.0	50	2
422+50	0.2	0.2	50	8
423+00	0.7	0.5	50	25
423+50	0.7	0.7	50	35
424+00	0.7	0.7	50	35
424+50	0.9	0.8	50	40
425+00	0.7	0.8	50	41
425+50	0.2	0.5	50	23
426+00	0.4	0.3	50	15
426+50	0.7	0.5	50	27

LATERAL CHANNEL DREDGE VOLUME

CEC FILE NO. 23.075

SURVEY DATE: 4/24/2023

DATE OF CALCULATION: 4/28/2023

427+00	0.8	0.7	50	37
427+50	1.5	1.1	50	57
428+00	1.5	1.5	50	75
428+50	1.6	1.6	50	79
429+00	2.1	1.9	50	94

TOTAL	591
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NO.	DATE	BY	REVISION DESCRIPTION
20247			

MEET. NO. _____
 ACAD. NO. 20247-Buena Vista.dwg
 SEC. _____
 CHECKED _____
 MARK _____
 PGM. _____
 DATE 10/19/2020
 SCALE AS NOTED

COASTAL & MARINE ENGINEERING
 SURVEY AND MAPPING
 ENGINEERING, O.S. 2494
 PHONE: (239)413-2324
 FAX: (239)613-1143
 WWW.COASTALENGINEERING.COM
 E-MAIL: info@ceee.com

BUNEA VISTA
 BATHYMETRIC SURVEY
 PLAN VIEW
 CHARLOTTE COUNTY



LINE #	LENGTH	DIRECTION	START POINT (N. E.)	END POINT (N. E.)
L1	300.00'	S81°22'45"W	845124.87	831049.46
L2	1048.00'	S31°22'45"W	845124.87	823049.46
L3	1100.00'	S44°41'00"W	845124.87	810124.87
L4	200.00'	S44°41'00"W	845124.87	807124.87
L5	200.00'	S10°12'00"W	845124.87	805124.87
L6	100.00'	S10°12'00"W	845124.87	804124.87
L7	100.00'	S10°12'00"W	845124.87	803124.87
L8	100.00'	S10°12'00"W	845124.87	802124.87
L9	100.00'	S10°12'00"W	845124.87	801124.87
L10	100.00'	S10°12'00"W	845124.87	800124.87
L11	100.00'	S10°12'00"W	845124.87	799124.87

PUBLISHED TIDAL INFORMATION
 TIDAL DATUMS AT PANAMA CITY, CHARLOTTE COUNTY
 ARE BASED ON FLORIDA 872.574 TIDE STATION.
 LENGTH OF SERIES = 8 MONTHS
 TIDAL EPOCH = 1987 - 2001
 CONTROL TIDE STATION = 872.574 IMPL. GULF OF MEXICO
 NAVD 1988.

NOTES
 1. BATHYMETRIC SURVEY COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC. ON 10/14/2020.
 2. CHANNEL MARKERS WERE NOT LOCATED AS PART OF THIS SURVEY.
 3. ELEVATIONS SHOWN HEREON ARE IN FEET AND TENSIVE AND REFERENCED TO NAVD.
 4. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD.
 5. SURVEY IN ACCORDANCE WITH USACE EM 1110-2-2.00, HYDROGRAPHIC SURVEYING MANUAL, 1/2003.
 6. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE
 7. AERIAL PHOTOGRAPHY OBTAINED FROM CHARLOTTE COUNTY, DATED 2020.
 8. AERIAL PHOTOGRAPHY OBTAINED FROM CHARLOTTE COUNTY, DATED 2020.
 9. JOHNSON ENGINEERING, DRAWING NAME: 20114020.01 - POST DREDGE HYDRO/2016-09-20-2016-09-20

NO.	DATE	BR	REVISION DESCRIPTION
20247			
REF. NO. 20247-Sunrise.dwg ACAD NO. SEC. CHECKED: RJE P.P. VVA DATE 10/19/2020 SCALE AS NOTED			

CHARLOTTE COUNTY
SUNRISE WATERWAY
BATHYMETRIC SURVEY
PLAN VIEW

CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES
 TITLE:
 DRAWN: VVA
 CHECKED: RJE
 P.P.
 SEC.
 ACAD NO. 20247-Sunrise.dwg
 REF. NO. 20247

COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES
 28421 BONITA CROSSINGS BLVD
 SPRING SPRINGS, FLORIDA 34135
 PHONE: (239)642-2324
 FAX: (239)641-1143
 SURVEYING: LB 2484
 E-MAIL: info@cmee.com

SHEET 1
 FILE NO.: 20240203-1



ELEVATION (FT NAVD)

-2.0
-2.1 TO -2.99
-3.0 TO -3.99
-4.0 TO -4.99
-5.0 TO -5.99
-6.0 TO -6.99
-7.0 TO -8.0
-8.1

PUBLISHED TIDAL INFORMATION
 ALL DATUMS ARE IN CHARLOTTE COUNTY
 PUBLISHED AS OF 07/26/2016
 PUBLISHED 10-16-2016
 TIME PERIOD: 18 MONTHS
 CONTROL: TIDE STATION
 ELEVATION OF TIDAL DATUMS ARE REFERENCED IN
 MEAN HIGH WATER (MHW) = +0.00 FT NAVD
 MEAN TIDE LEVEL (MTL) = +0.57 FT NAVD
 MEAN LOWER LOW WATER (MLLW) = -1.65 FT NAVD

NOTES
 1. BATHYMETRIC SURVEY COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC. ON 10/19/2020.
 2. DATUM IS MEAN TIDE LEVEL (MTL).
 3. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERIDIAN PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).
 4. DATUM OF 1988 (NAVD), REFERENCE BENCHMARK: 17 17' N, 87 24' 31' E, 62 25 63. ELEV. = +4.25 NAVD.
 5. SURVEY ACCURACY: STATE QUALITY CONTROL AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003. HYDROGRAPHIC SURVEYING.
 6. ORIGINAL PHOTOGRAPHY OBTAINED FROM CHARLOTTE COUNTY, DATED 2020.

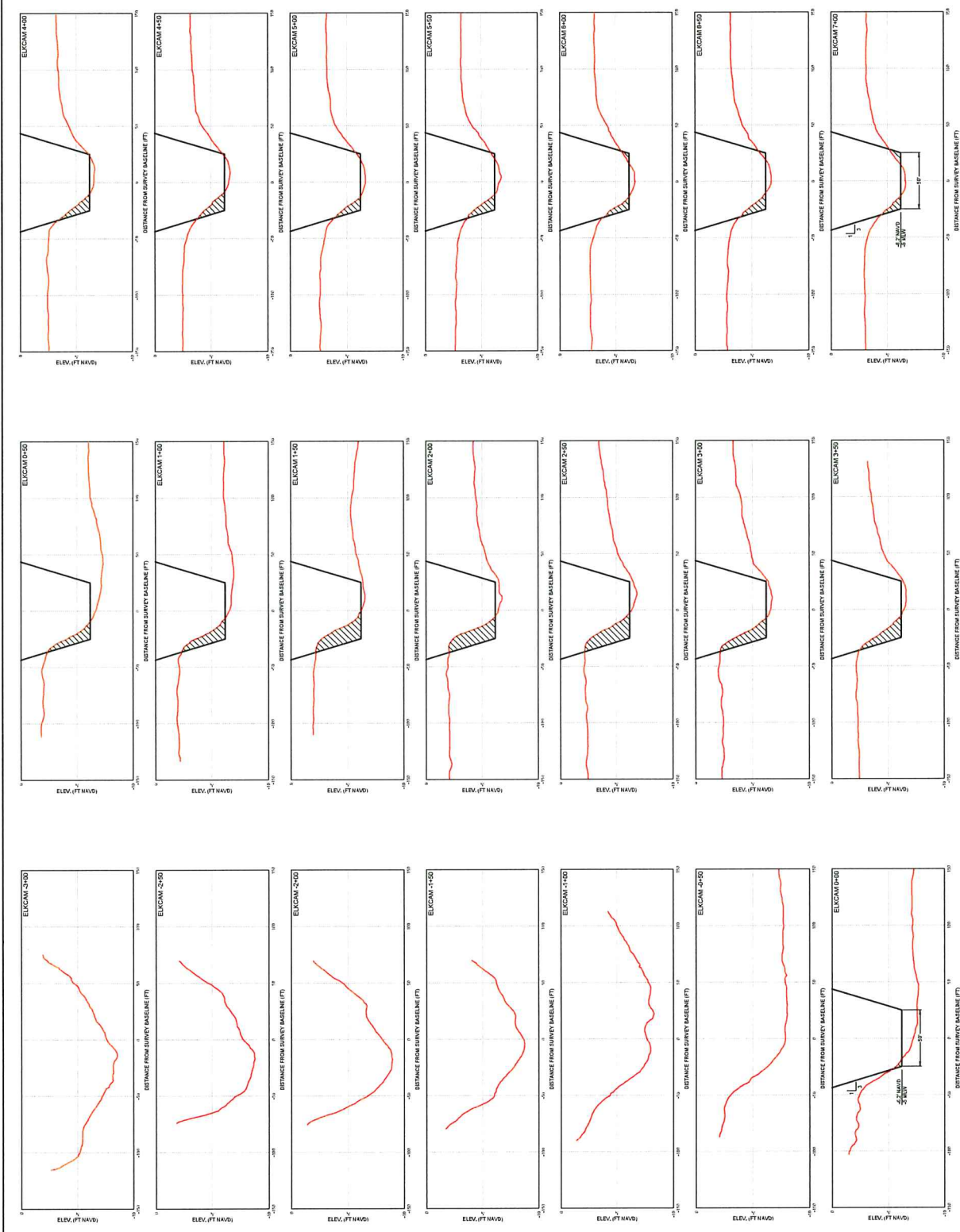
SURVEY BASELINE LINE TABLE

LINE #	LENGTH	DIRECTION	START POINT N. C.	END POINT N. C.
1	502.87	S 42° 31' 30" W	10828.20	10813.20
2	1007.07	S 42° 31' 30" W	10813.20	10813.20

RECORD DRAWING OF AN AS BUILT
 SURVEY FOR THE PURPOSES OF THE
 FLORIDA STATUTES AND THE
 FLORIDA PROFESSIONAL ENGINEERING AND
 SURVEYING ACTS.
 THE INFORMATION IS FOR THE
 USE OF THE CLIENT 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 THE
 ENGINEER.
 DATE OF PUBLICATION: 10/19/2020

ELKAM WATERWAY
 CROSS SECTIONS: -3+00 TO 7+00

DATE	10/19/2020	SCALE	AS NOTED
DRAWN	SDB	CHECKED	MAP
PROJECT	ELKAM WATERWAY	DATE	10/19/2020
NO.	20247	DATE	
NO.	20247	DATE	
REVISION DESCRIPTION			

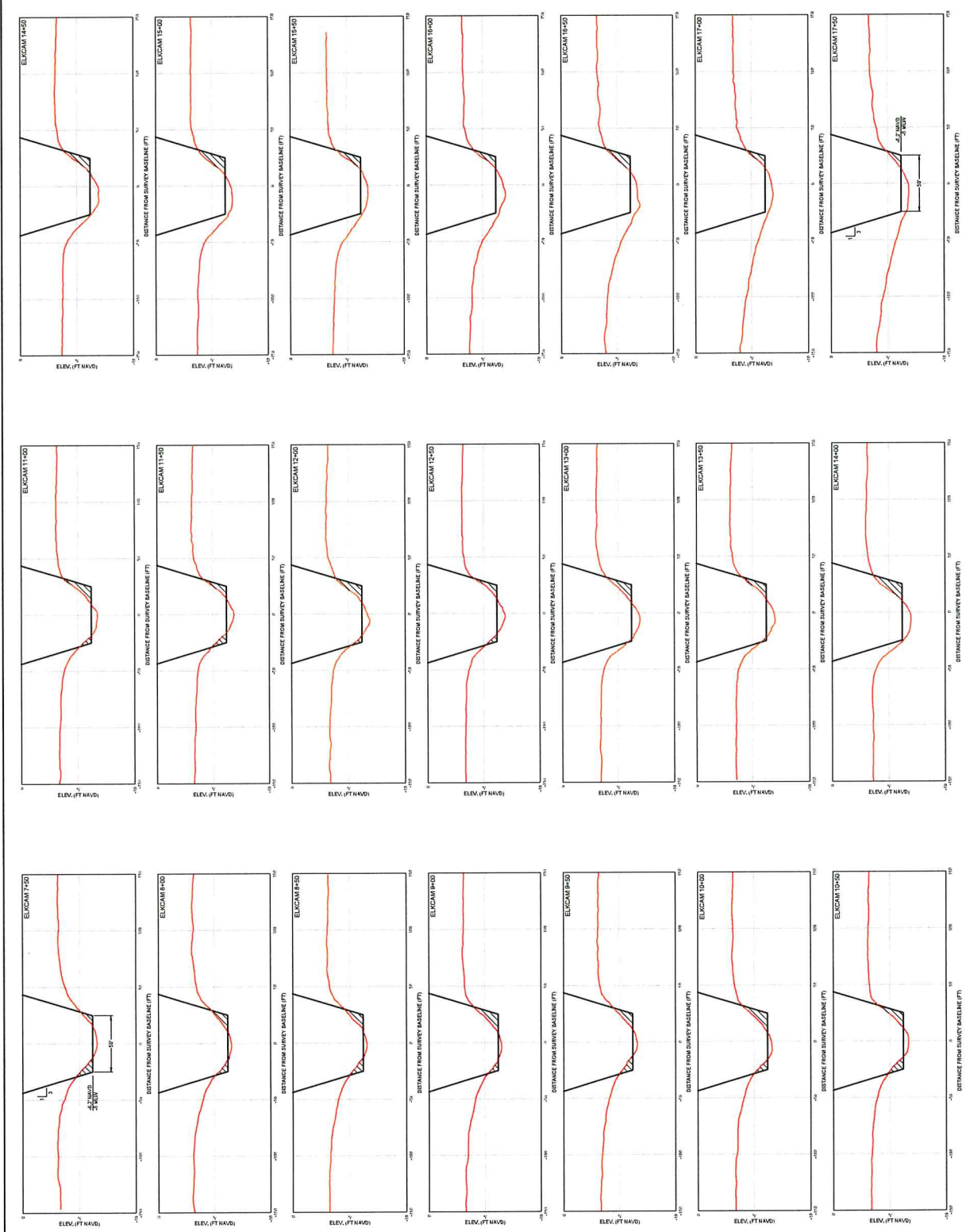


SCALE
 HORIZONTAL
 VERTICAL
 1" = 40'

LEGEND
 10' WIDE SURVEY
 10' WIDE SURVEY
 10' WIDE SURVEY
 10' WIDE SURVEY

CHARLOTTE COUNTY
ELCAM WATERWAY
CROSS SECTIONS: 7+50 TO 17+50

DATE	10/19/2020	SCALE	AS NOTED
DRAWN	SDB	CHECKED	MAK
PROJECT	20247-Bonita Vista Div#9	NO.	20247
REVISED		DATE	
BY		DATE	
REVISION DESCRIPTION			

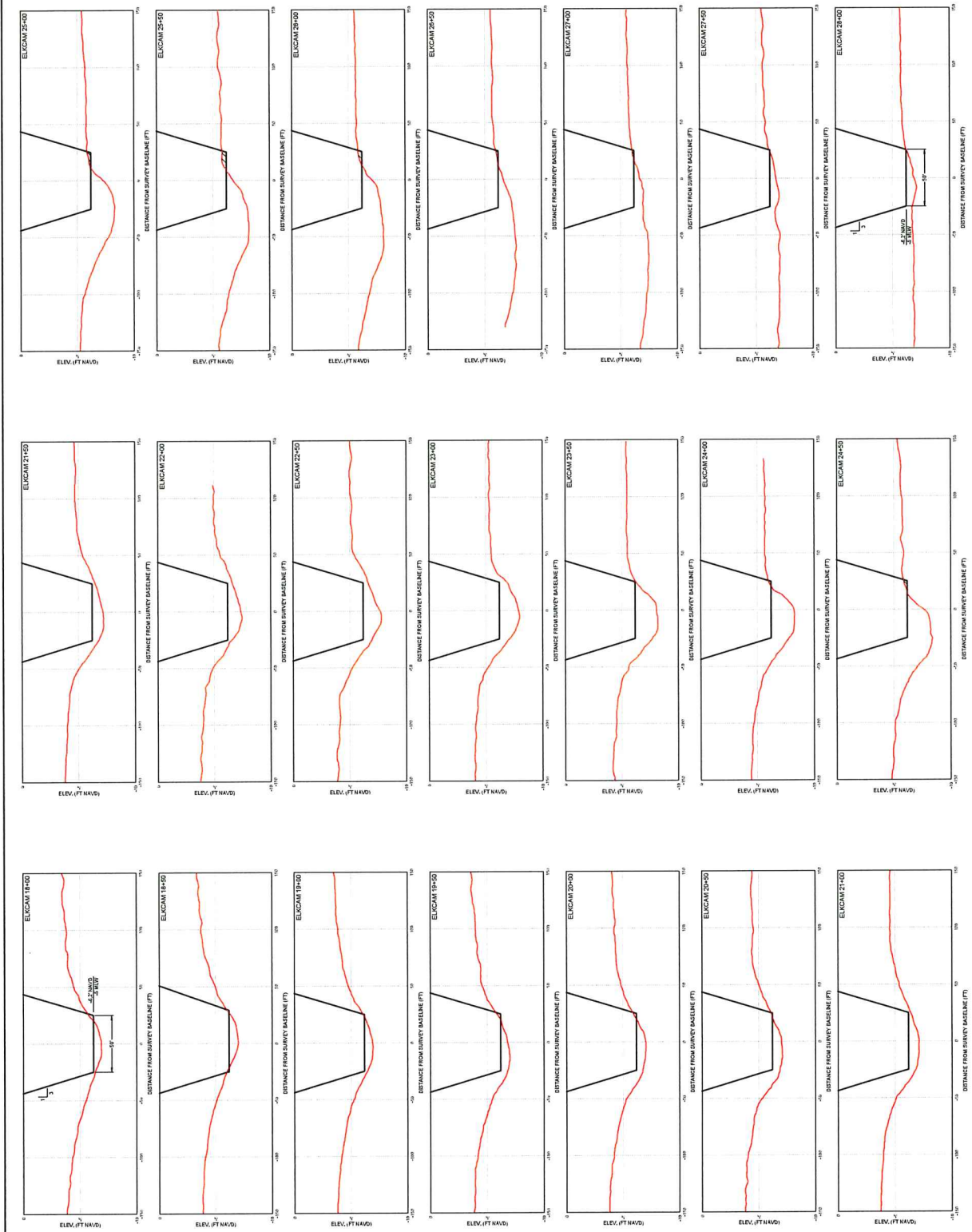


LEGEND
 10' HAZARD SURVEY
 DREDGE AREA
SCALE
 1" = 4'

ELCAM WATERWAY
CROSS SECTIONS: 18+00 TO 28+00

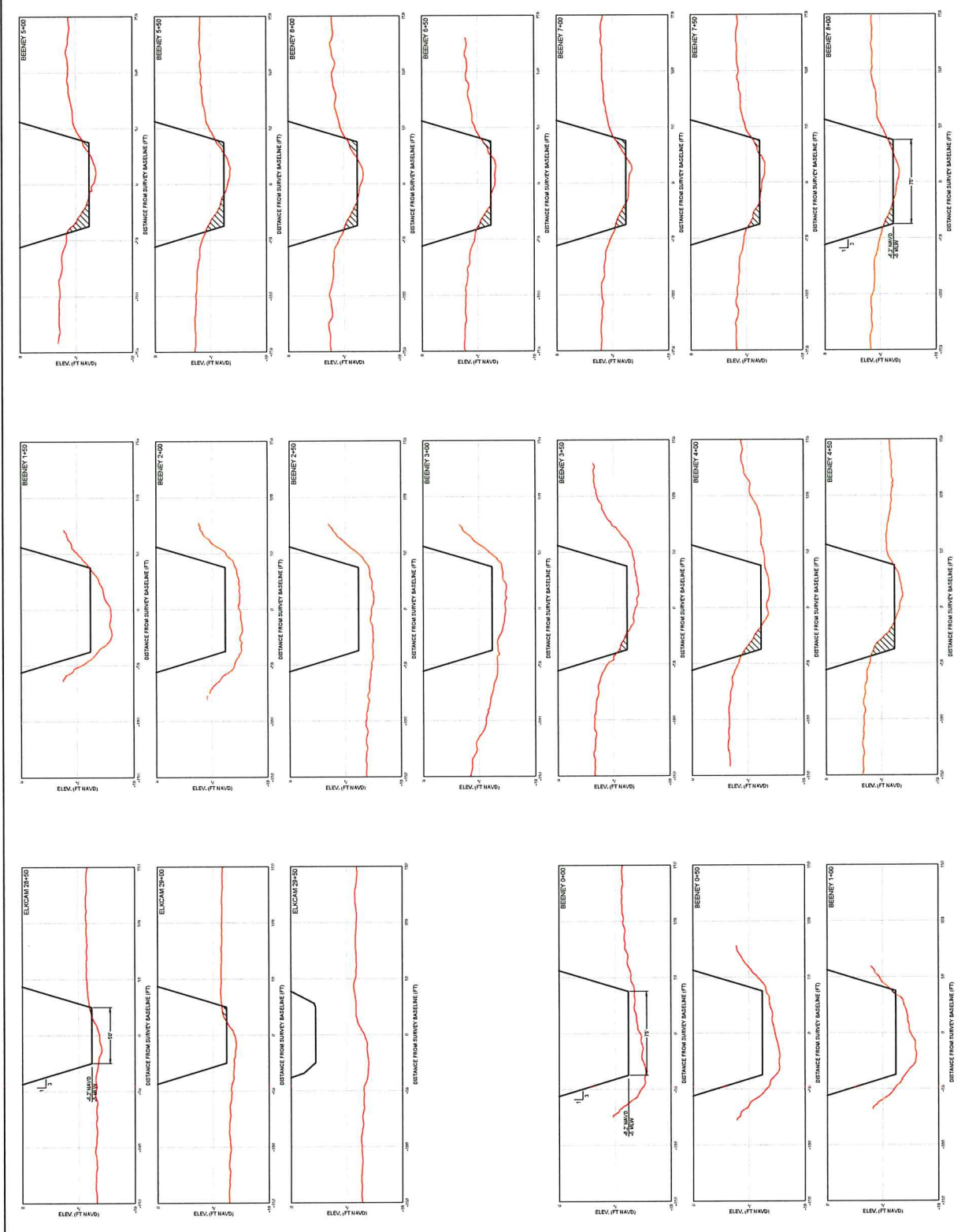
CHARLOTTE COUNTY

DATE	10/19/2024	SCALE	AS NOTED
DRAWN	SDS		
CHECKED	MM		
SEC.	TWP.	R.D.	
ACED NO.	2024-Buena Vista.dwg		
REV. NO.	20	DATE	BY
REVISION DESCRIPTION			



LEGEND
 10' HIGHER SURVEY
 SCALE
 1" = 40'
 1" = 4'

DATE	10/19/2024	SCALE	AS NOTED
PROJECT NO.	2024T-Burna Vtla.dwg	NO.	2024T
REV. NO.		DATE	
BY		DATE	
REVISION DESCRIPTION			

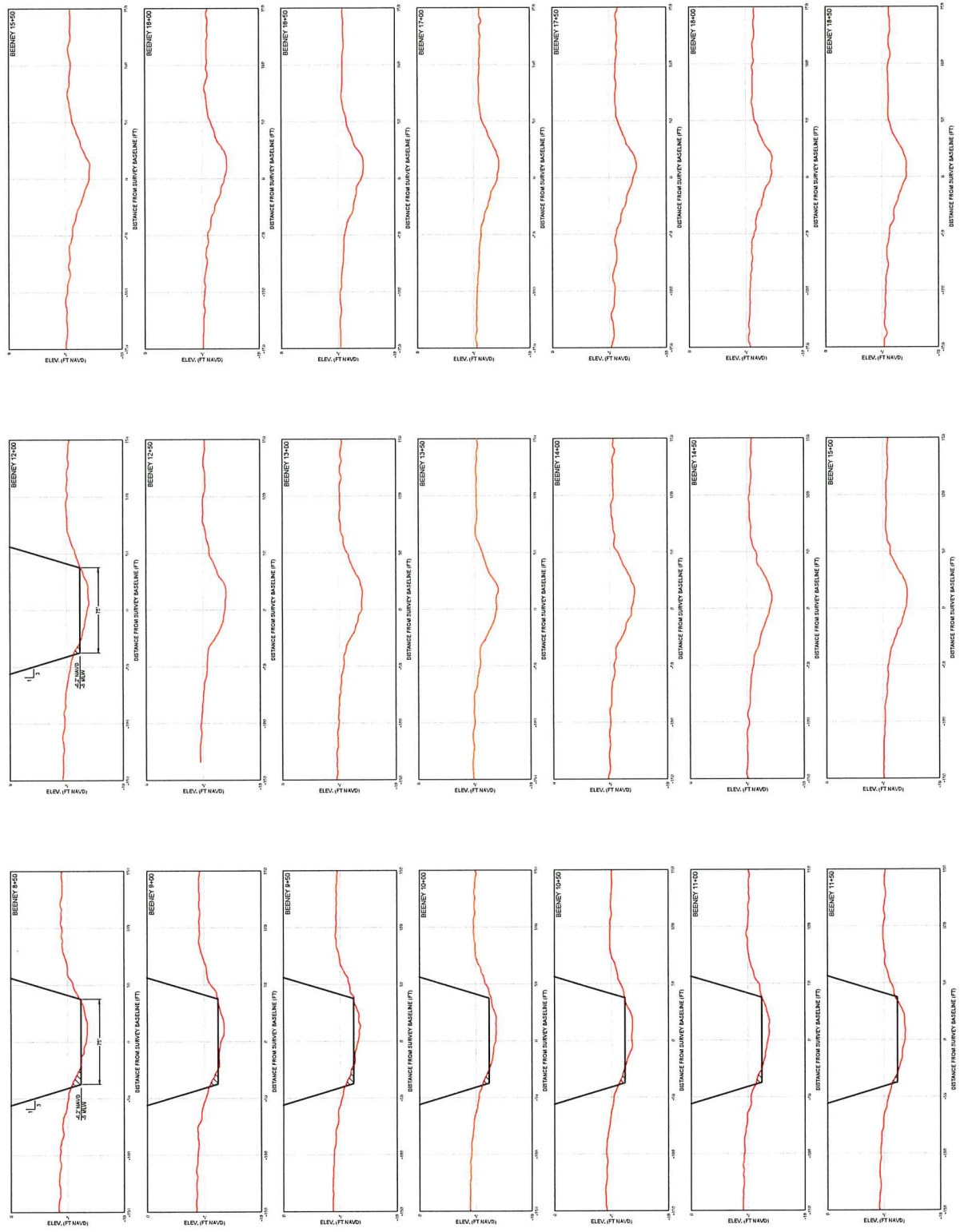


LEGEND
10' HIGHER SURVEY
GRADE AREA

CHARLOTTE COUNTY
 BENEY WATERWAY
 CROSS SECTIONS: 8+50 TO 18+50

DATE	10/19/2020	SCALE	AS NOTED
PROJECT NO.	20247-Burna Viala.dwg	NO.	20247
DATE		DATE	
BY		BY	
REVISION DESCRIPTION			

SHEET 6
 FILE NO. 20247-BW-4



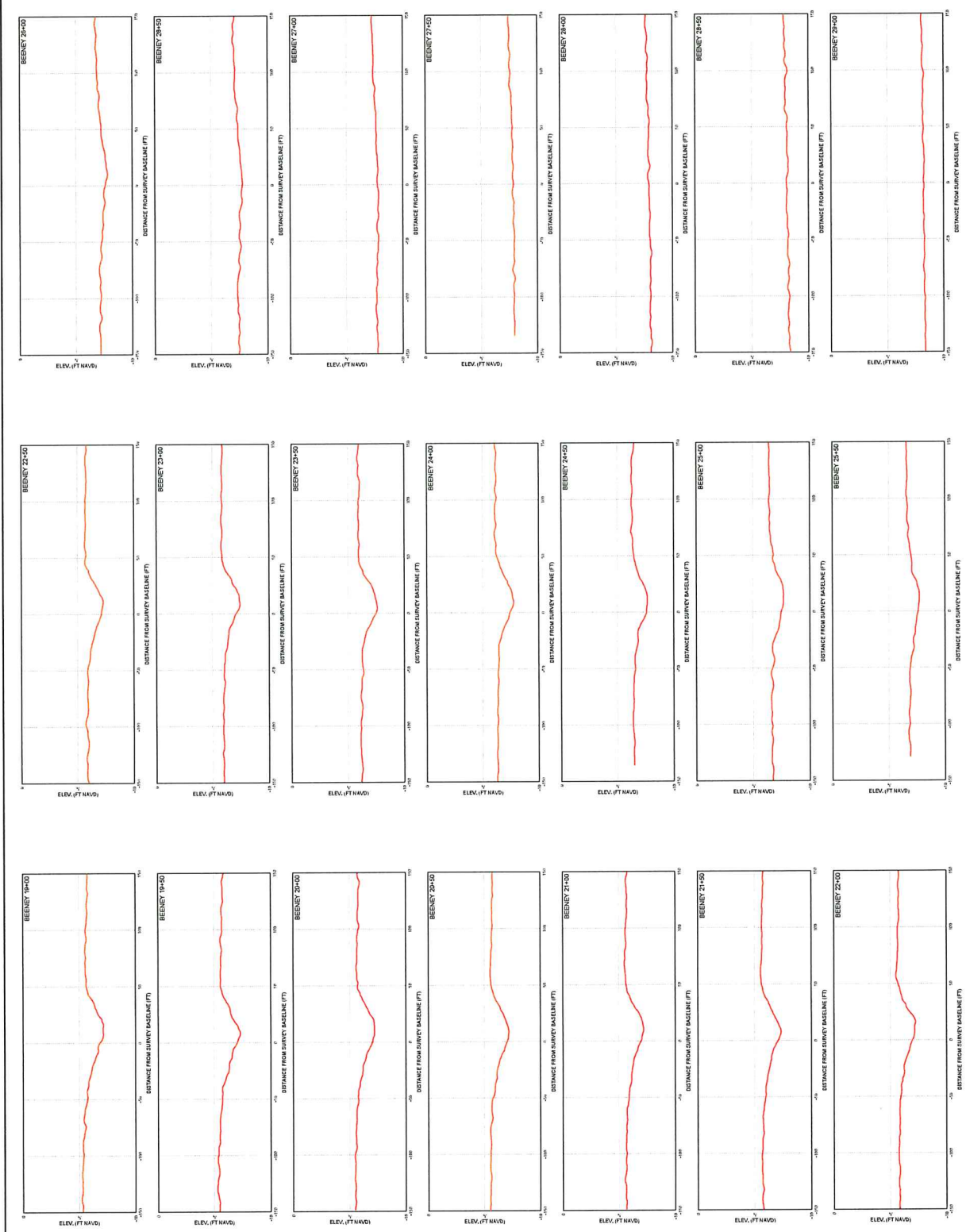
LEGEND
 10' HORIZ. DISTANCE
 SCALE
 1" = 4'
 1" = 4'
 BENEY AREA



COASTAL ENGINEERING CONSULTANTS, INC.
 2421 BONITA SPRINGS BLVD
 BONITA SPRINGS, FLORIDA 34135
 PHONE: (239) 432-2244
 FAX: (239) 432-1414
 SURVEYING: LB 2464
 ENGINEERING: CA 2464
 ENVIRONMENTAL & GEOLOGICAL SERVICES

CHARLOTTE COUNTY
BENEY WATERWAY
 CROSS SECTIONS: 19+00 TO 29+00

DATE	10/19/2020	SCALE	AS NOTED
DRAWN BY	SDB	CHECKED BY	MAJ
PROJECT NO.	20247-Burna Vada.dwg	DATE	20247
REVISION NO.		DATE	
REVISION DESCRIPTION			

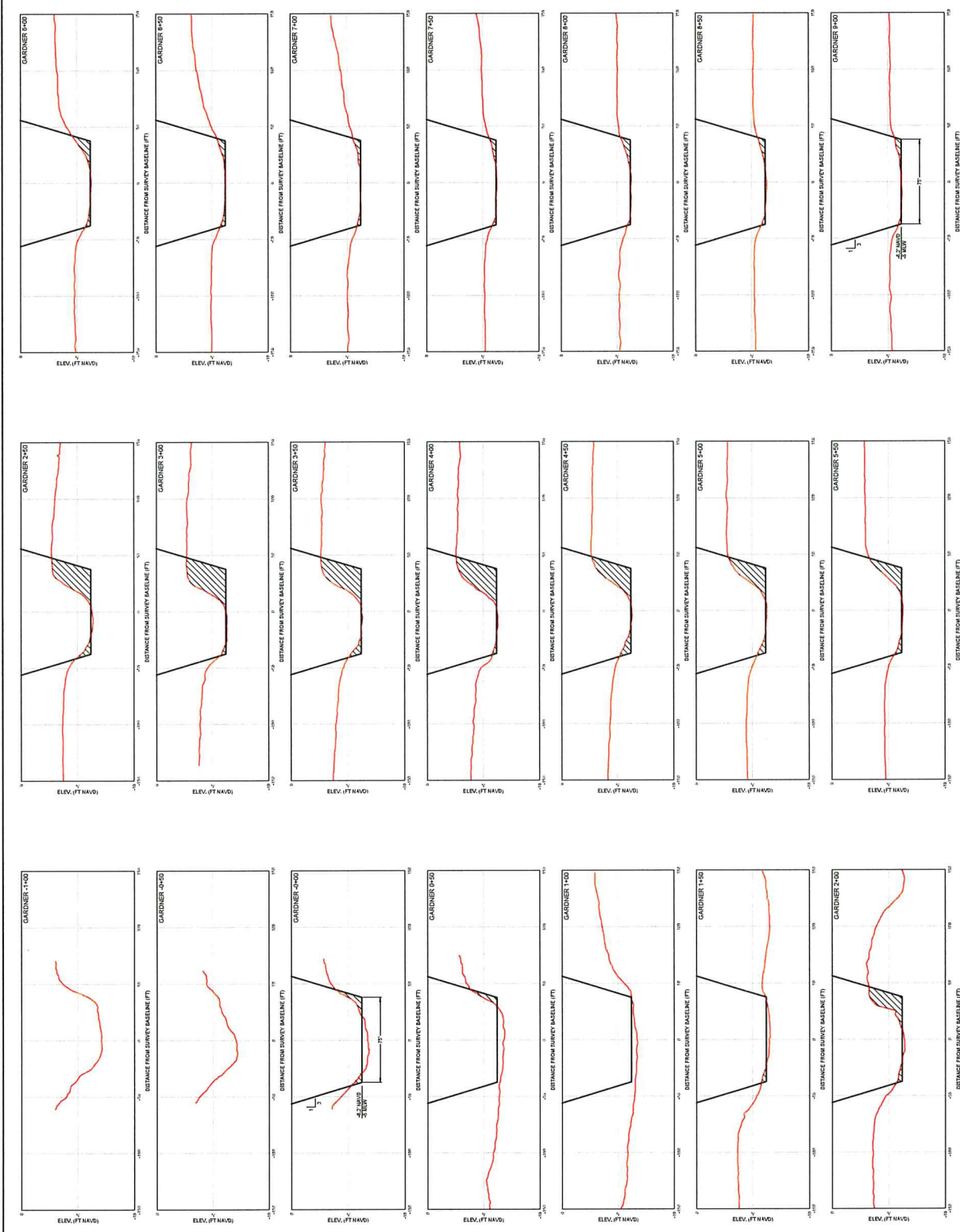


LEGEND
 10' HORIZ. SURVEY
 0.1" = 1'-0"
 0.1" = 1'-0"
 0.1" = 1'-0"

GARDNER WATERWAY
CROSS SECTIONS: -1+00 TO 9+00

CHARLOTTE COUNTY

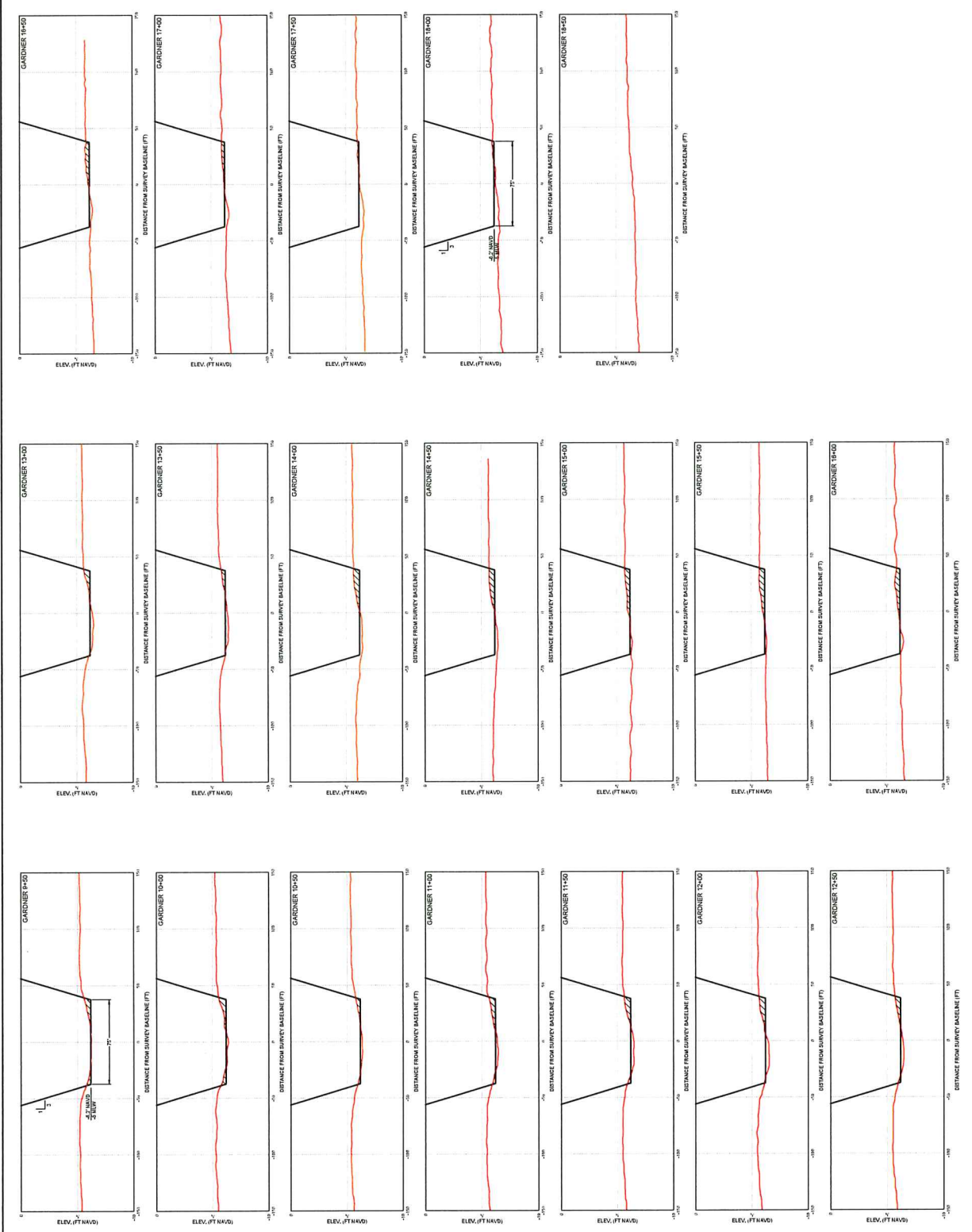
DATE	10/19/2020	SCALE	AS NOTED
DRAWN	SDB	FILE	
CHECKED	MAP		
SEC.	TWP.	R19G.	
ACAD NO.	20247-Burra Vista.dwg		
NO.	20247		
DATE		BR	
REVISION DESCRIPTION			



LEGEND
 10' HORIZ. SURVEY
 SCALE
 1" = 40'
 1" = 4'
 DREGS AREA

CHARLOTTE COUNTY
GARDNER WATERWAY
CROSS SECTIONS: 9+50 TO 18+50

DATE	10/19/2020	SCALE	AS NOTED
DRAWN BY	SDB	CHECKED BY	MM
PROJECT NO.	20247-BV-4	CLIENT	WFLA
NO.	20247	NO.	20247
DATE		DATE	
BT		BT	
REVISION DESCRIPTION			

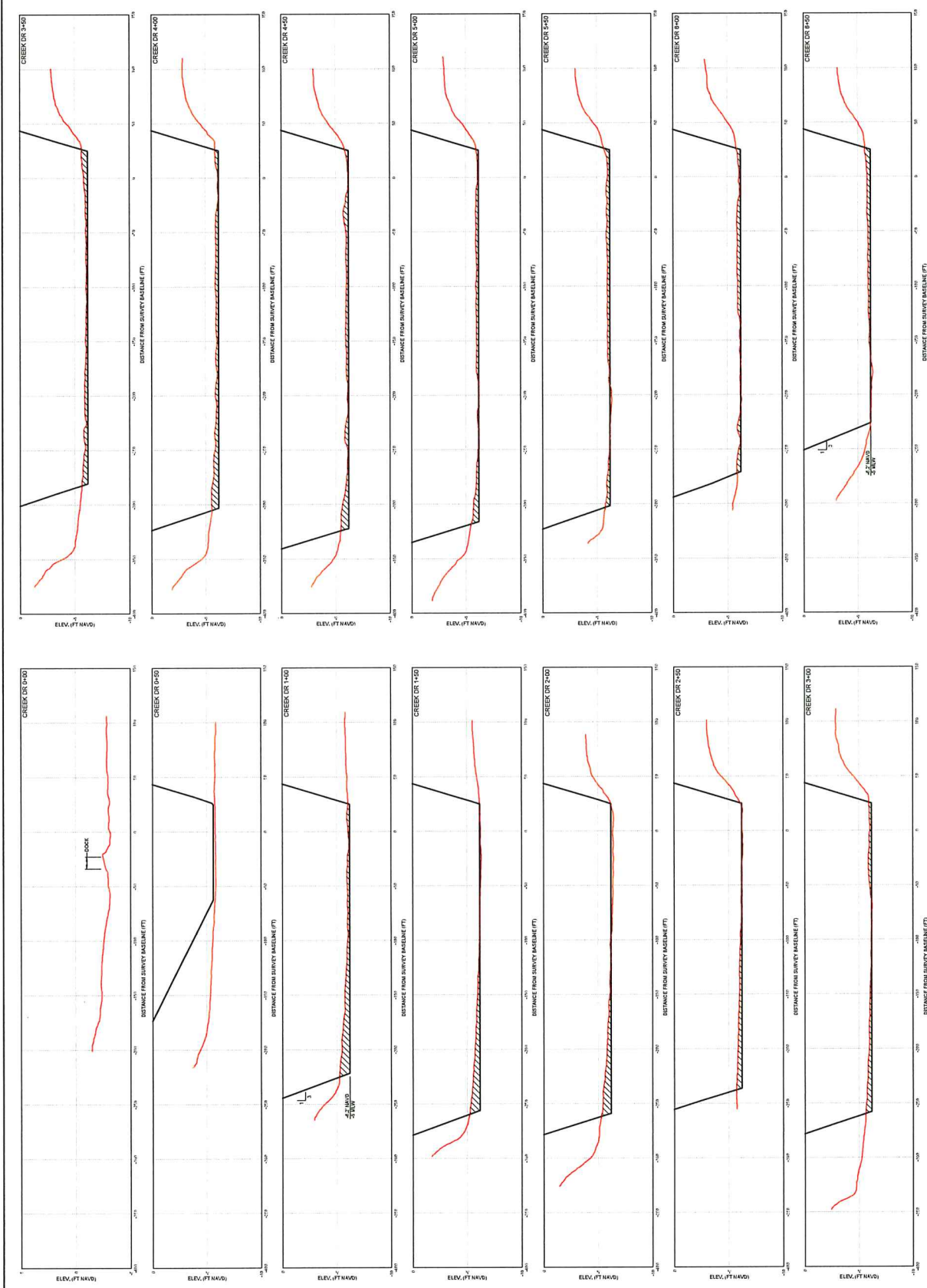


LEGEND
 10' HIGHER SURVEY
 8' FILL AREA
 4' FILL AREA

CREEK DR WATERWAY
CROSS SECTIONS: 0+00 TO 6+50

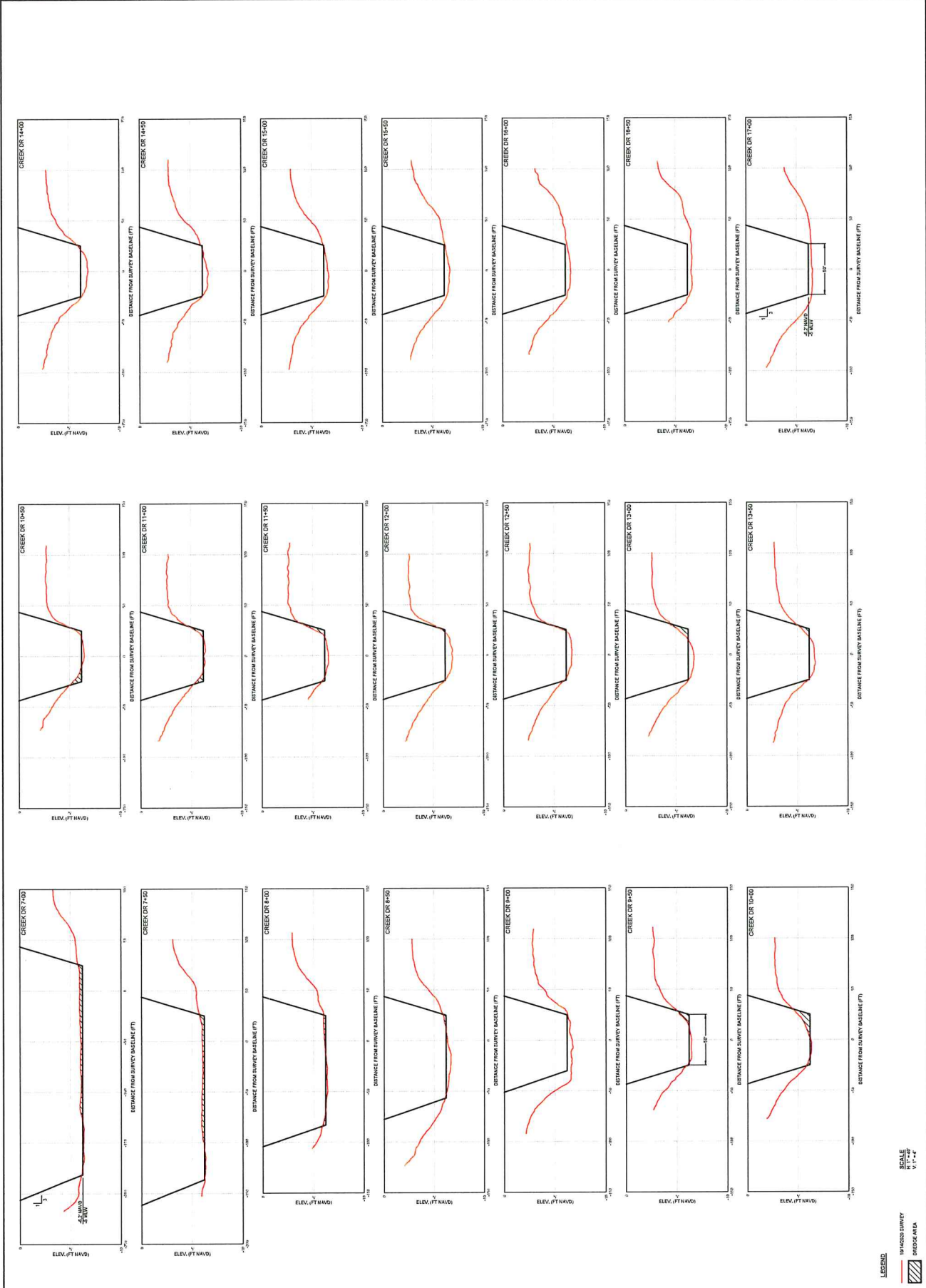
CHARLOTTE COUNTY

DATE	10/19/2020	SCALE	AS NOTED
DRAWN	SDR	CHECKED	MAK
PROJECT	20247-Burna Vista.dwg	NO.	20247
REV. NO.		DATE	
BY		DATE	
REVISION DESCRIPTION			

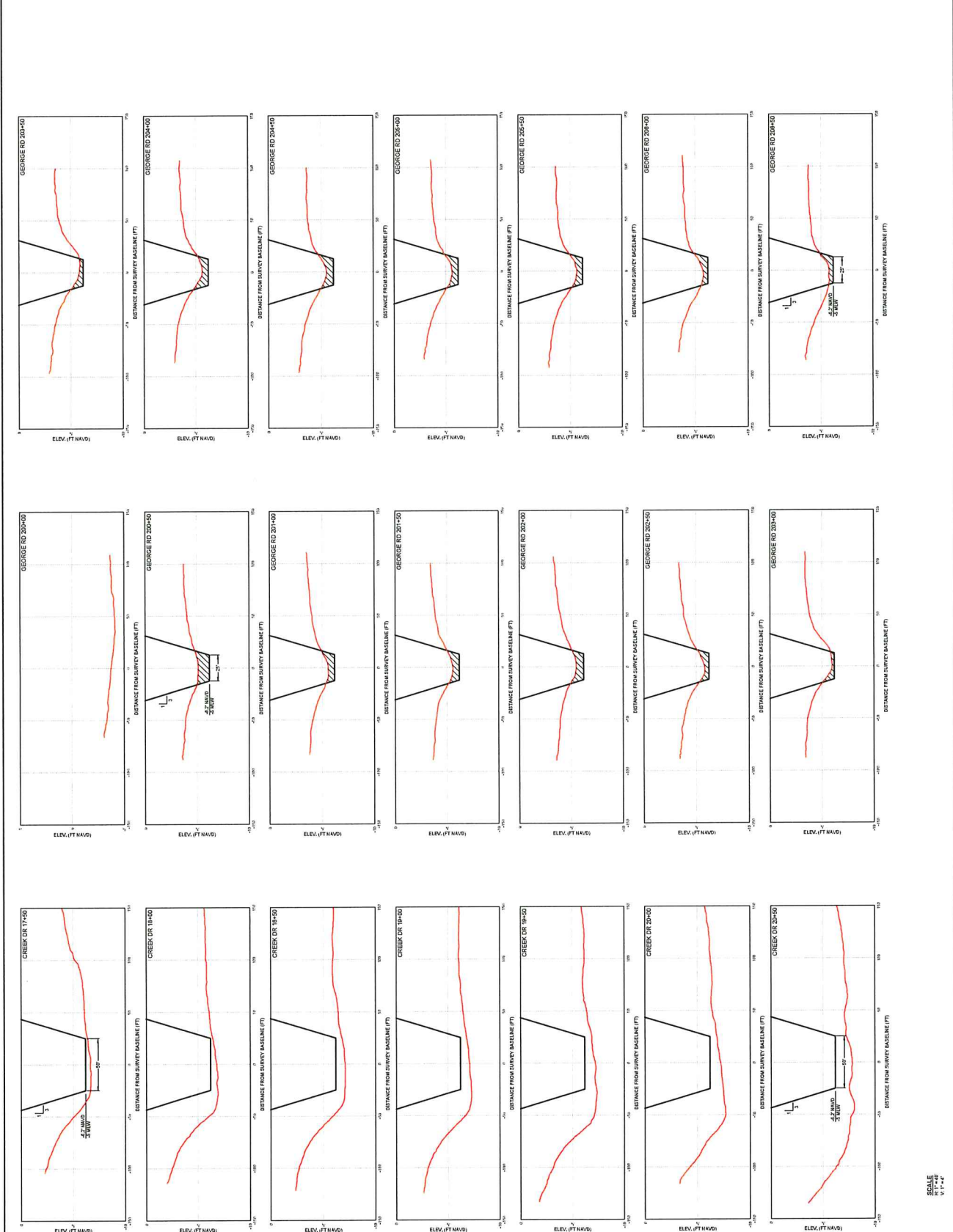


LEGEND
 1/8" HORIZONTAL DISTANCE
 1/4" VERTICAL DISTANCE
 1" = 100'

DATE	10/19/2020	SCALE	AS NOTED
DRAWN	SDB	CHECKED	MAP
REVISION NO.	20247	DATE	NO.
REVISION DESCRIPTION			

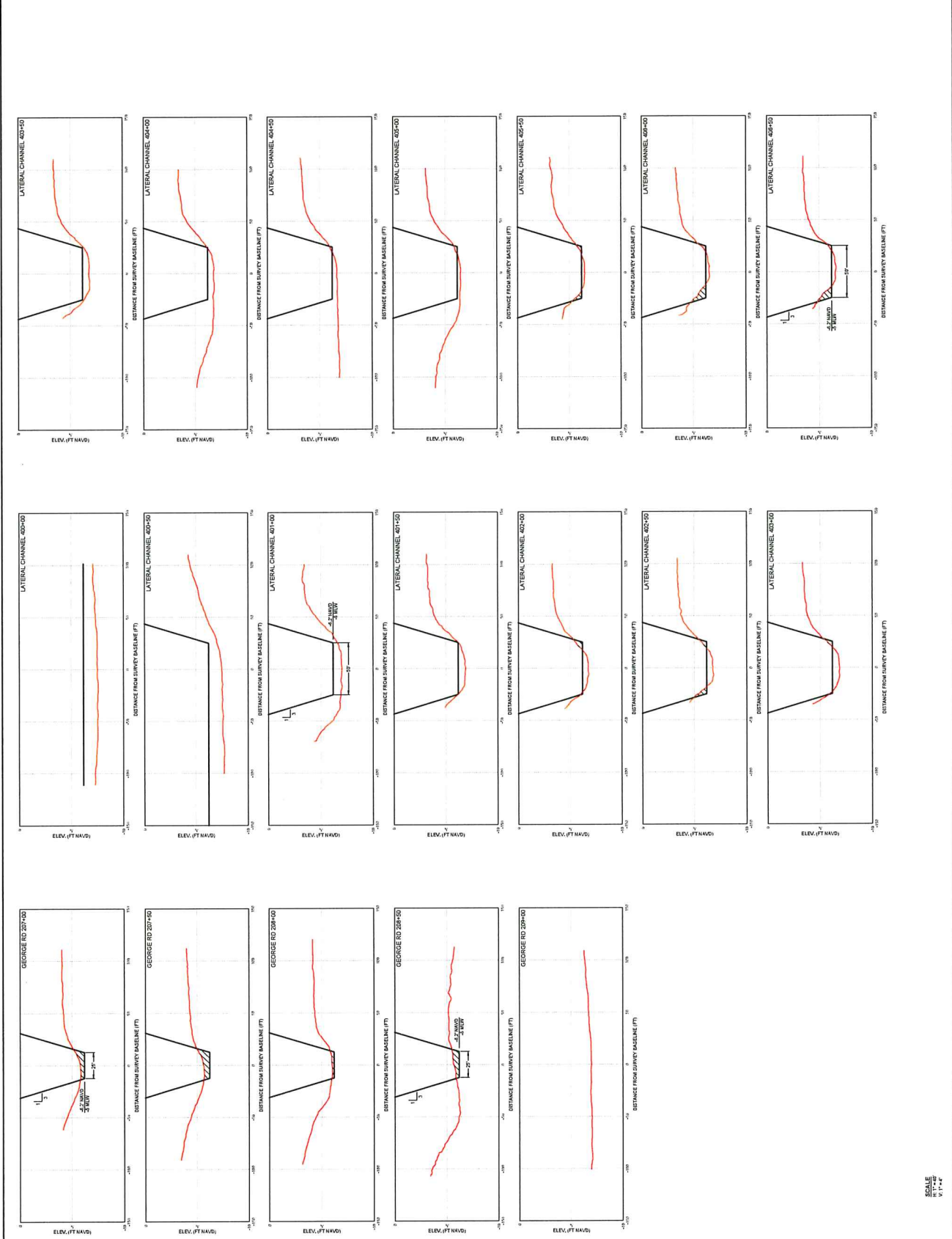


DATE	10/19/2020	SCALE	AS NOTED
DRAWN	SDB	CHECKED	MAA
SEC.	T.M.P.	NO.	2024-28-12
REVISED	NO.	DATE	BT
REVISION DESCRIPTION			



LEGEND
 10' HIGHER SURVEY
 BRIDGE AREA

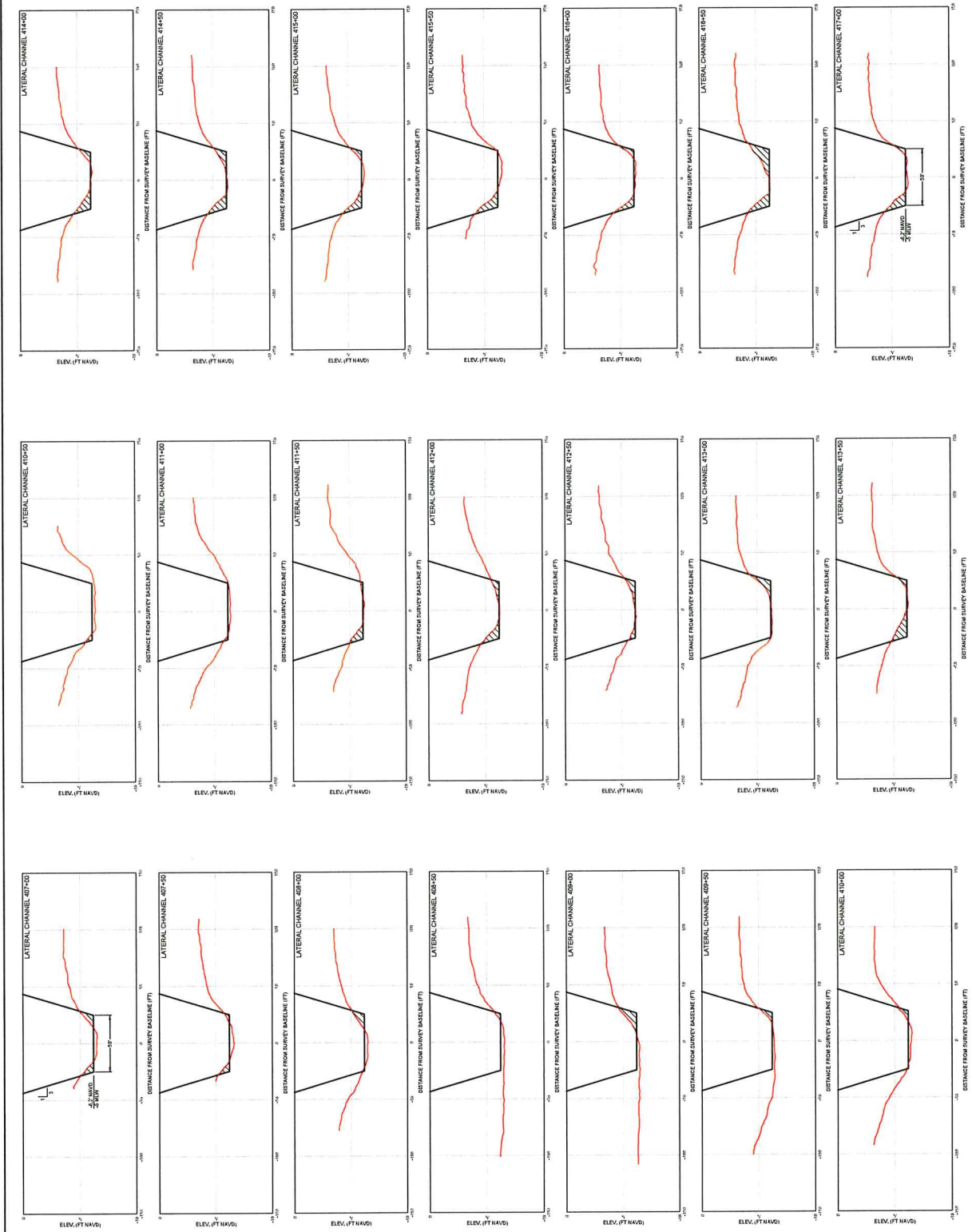
DATE	10/19/2024	SCALE	AS NOTED
PROGRAM	SDB		
CHECKED	MM		
SEC.	TM		
ACAD NO.	2024-Bonita Vtch.dwg		
NO.	20247		
DATE			
BY			
REVISION DESCRIPTION			



LEGEND
 10' HIGHER SURVEY
 1" = 10' H
 DMEG AREA

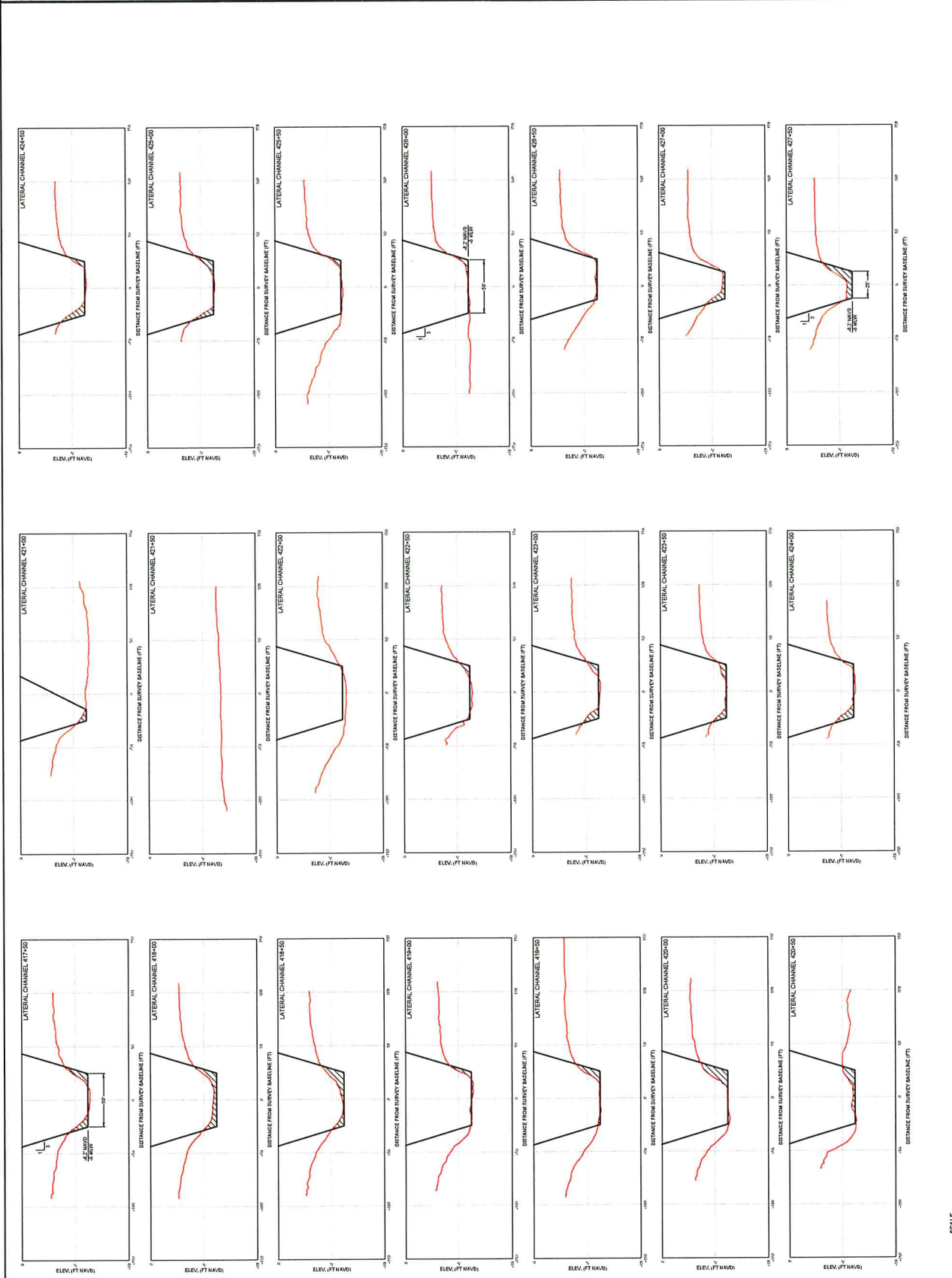
CHARLOTTE COUNTY
 LATERAL CHANNEL CROSS SECTIONS:
 407+00 TO 417+00

DATE	10/19/2024	SCALE	AS NOTED
PROGRAM	SDS	DATE	
CHECKED	MM	NO.	
SEC.	TWP.	RANGE	
ACAD NO.	2024-Buena Vista.dwg	NO.	20247
REV. NO.		DATE	
REVISION DESCRIPTION			



LEGEND
 10' WIDE SURVEY
 BRIDGE AREA

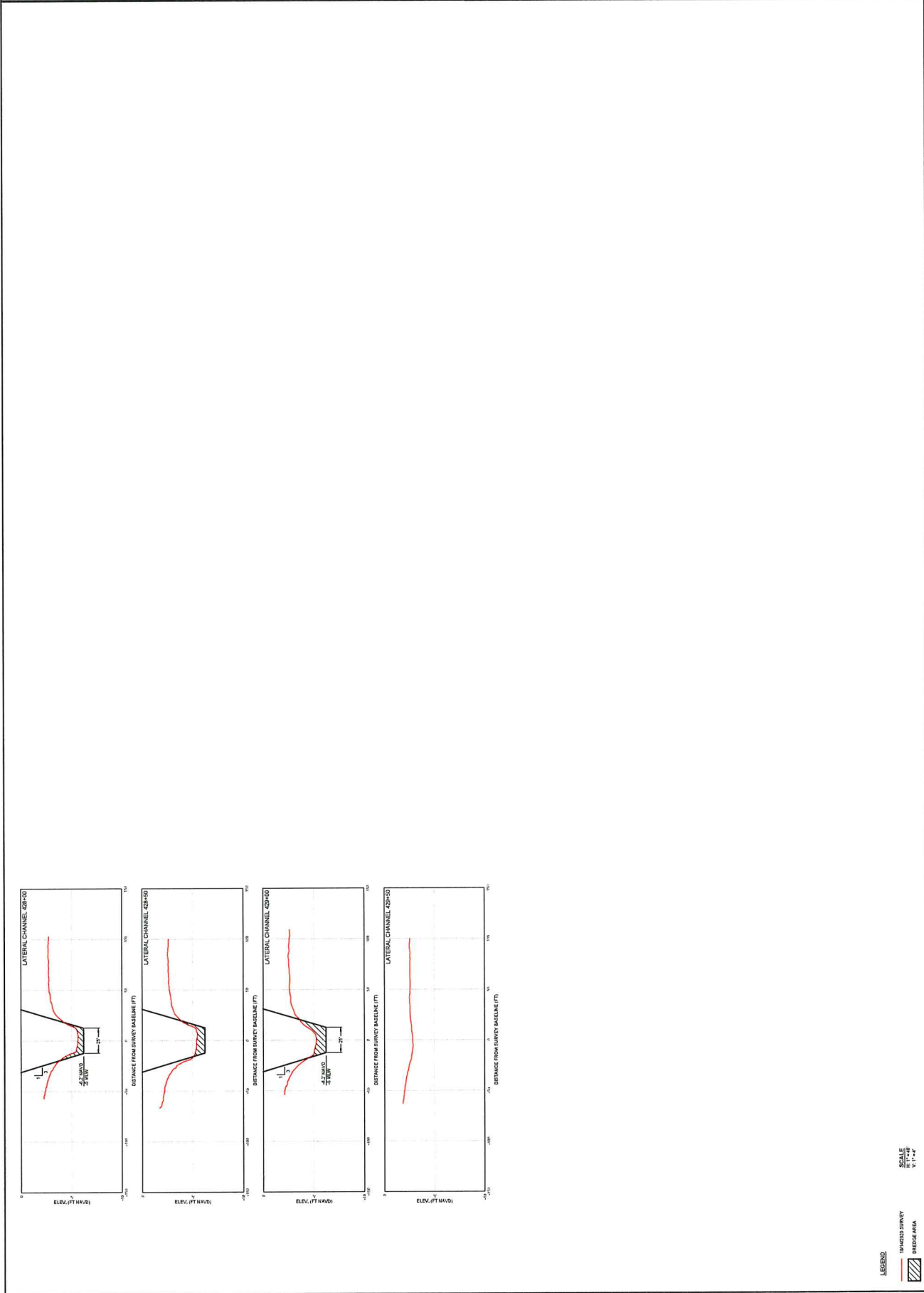
DATE: 10/19/2020	SCALE: AS NOTED
DRW: SDB	CHK: RA
CHECKED: MAM	APP: RA
SEC: TWP.	R10G.
ACAD NO. 20247-Burns Viala.dwg	NO. 20247
DATE: 20247	BY: []
REVISION DESCRIPTION	



SCALE
1" = 40'
1" = 4'

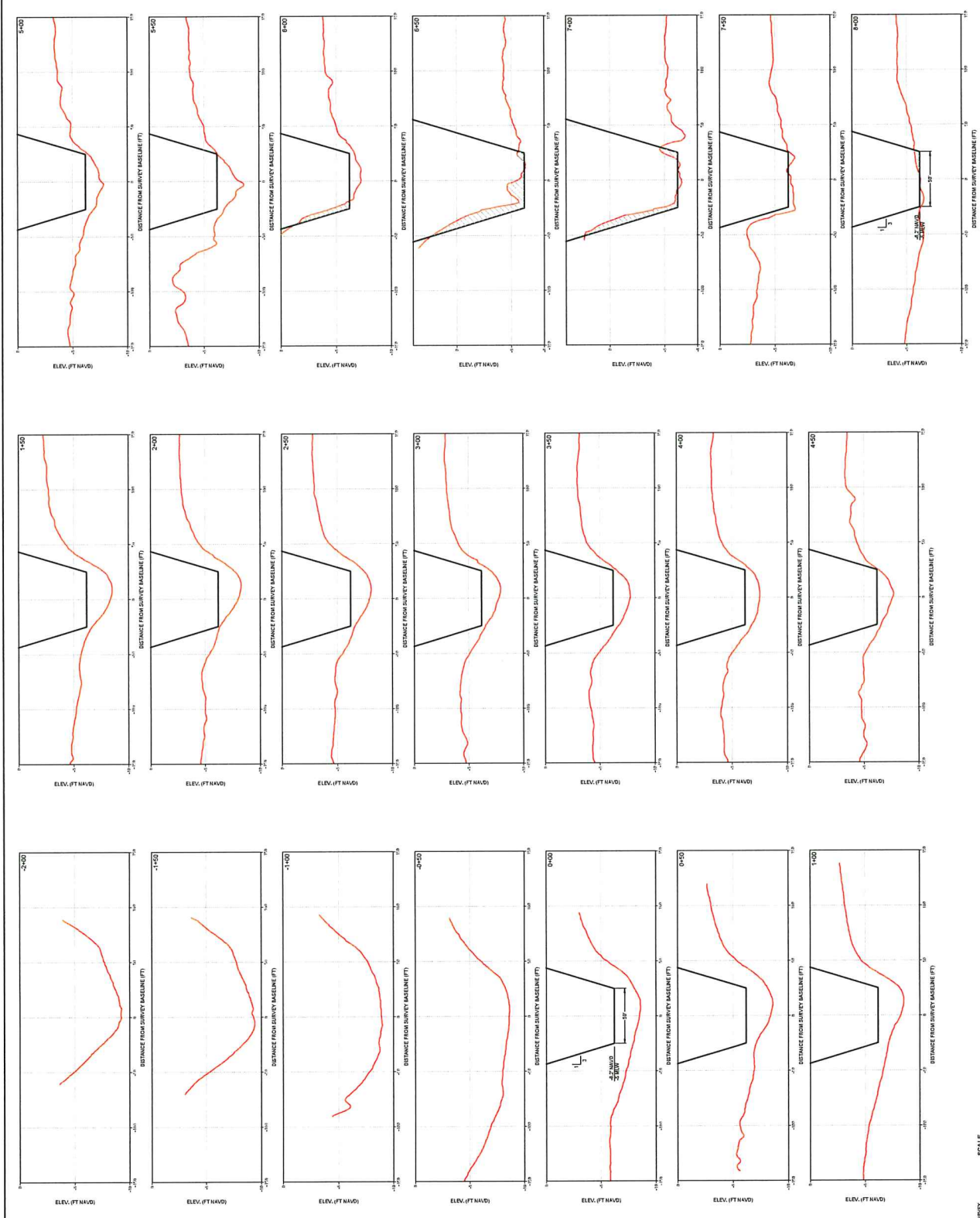
LEGEND
1/4" HATCH SURVEY
1/4" HATCH DRADE AREA

DATE	10/19/2020	SCALE	AS NOTED
DESIGNED BY	AS NOTED	CHECKED BY	AS NOTED
PERMITTED BY	AS NOTED	DATE	20247-Buena Vista.dwg
NO.	20247	DATE	
BY		DATE	
REVISION DESCRIPTION			



CHARLOTTE COUNTY
SUNNISE WATERWAY
BATHMETRIC SURVEY
CROSS SECTIONS: -2+00 TO 8+00

DATE	10/11/2020	SCALE	AS NOTED
COMM'D BY	VJA	CHECKED	FJL
DESIGNED BY	WJA	DATE	NO.
NO.	20247-SUNNISE.Dwg	DATE	20247
REVISED BY		DATE	
REVISION DESCRIPTION			



LEGEND:
 UNDREDGED SURVEY
 DREDGED AREA

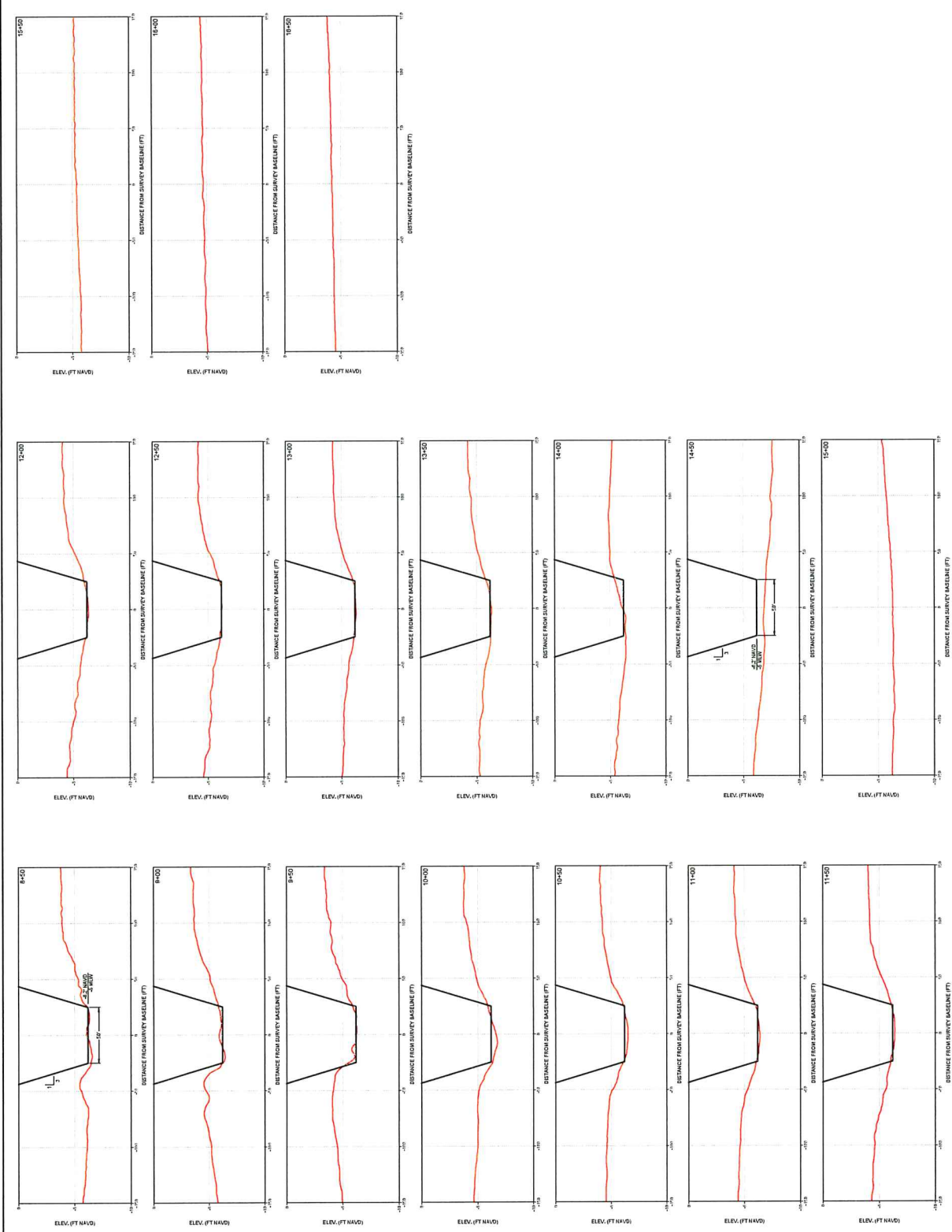
SCALE
 1" = 100' H
 1" = 400' V



CLIENT: **COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES**
PROJECT: **BATHYMETRIC SURVEY**
DATE: **10/14/2020**
SCALE: **AS NOTED**
DRAWN: **VWA**
CHECKED: **RJB**
SEC. IN CHARGE: **TWP**
APP. NO.: **20247-SURVEY.dwg**
NO. DATE BY REVISION DESCRIPTION

CHARLOTTE COUNTY
BATHYMETRIC SURVEY
CROSS SECTIONS: 8+50 TO 16+50

NO.	DATE	BY	REVISION DESCRIPTION



LEGEND
 10' HIGHER SURVEY
 DREDGE AREA

SUNRISE WATERWAY DREDGE VOLUME

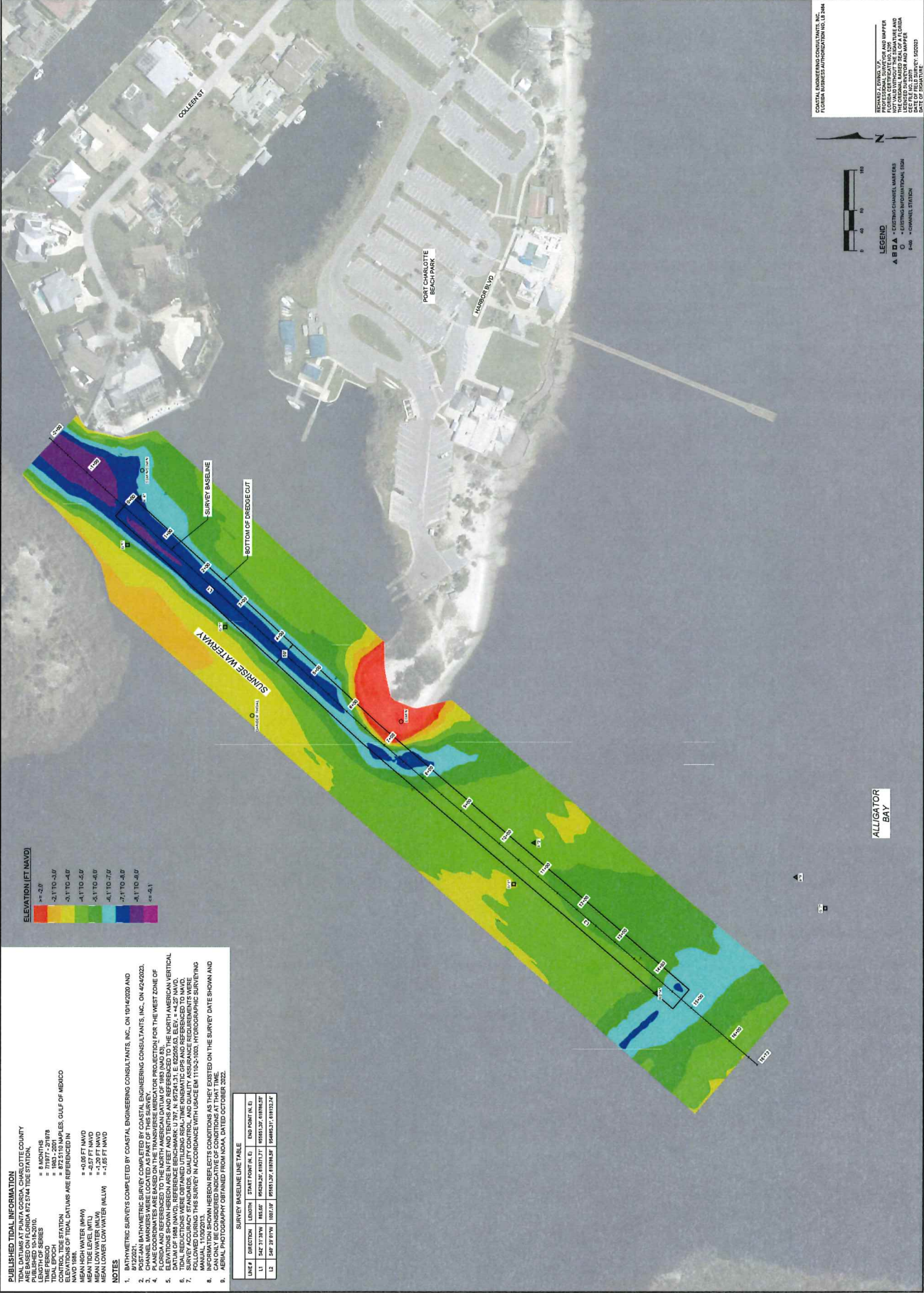
CEC FILE NO. 23.075

SURVEY DATE: 4/24/2023

DATE OF CALCULATION: 4/28/2023

STATION	AREA (YD3/FT)	AVE AREA (YD3/FT)	DISTANCE (FT)	VOLUME (CY)
0+00	0.0			
0+50	0.0	0.0	50	0
1+00	0.0	0.0	50	0
1+50	0.0	0.0	50	0
2+00	0.0	0.0	50	0
2+50	0.0	0.0	50	0
3+00	0.0	0.0	50	0
3+50	0.0	0.0	50	0
4+00	0.0	0.0	50	0
4+50	0.0	0.0	50	0
5+00	0.0	0.0	50	0
5+50	0.0	0.0	50	1
6+00	2.2	1.1	50	55
6+50	7.4	4.8	50	239
7+00	8.1	7.7	50	386
7+50	0.0	4.0	50	202
8+00	0.9	0.4	50	22
8+50	2.7	1.8	50	91
9+00	3.1	2.9	50	147
9+50	3.1	3.1	50	155
10+00	3.2	3.1	50	157
10+50	3.3	3.2	50	162
11+00	3.0	3.2	50	158
11+50	2.4	2.7	50	136
12+00	1.6	2.0	50	101
12+50	1.7	1.7	50	83
13+00	1.9	1.8	50	89
13+50	2.9	2.4	50	120
14+00	2.1	2.5	50	125
14+50	0.0	1.0	50	52

TOTAL	2,480
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PUBLISHED TIDAL INFORMATION
 TIDE GAUGE STATION # 8725100 NAPLES, GULF OF MEXICO
 ARE BASED ON FLORIDA 8725100 TIDE STATION.
 TIDE GAUGE LOCATION: NAPLES, FLORIDA
 LENGTH OF SERIES: 8 MONTHS
 TIME PERIOD: 7/1977-2/1978
 CONTROL TIDE STATION: 8725100 NAPLES, GULF OF MEXICO
 MEAN HIGH WATER (MHW): +0.00 FT MAVD
 MEAN LOW WATER (MLW): -1.20 FT MAVD
 MEAN LOWER LOW WATER (MLLW): -1.65 FT MAVD

NOTES
 1. BATHYMETRIC SURVEYS COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC. ON 10/14/2020 AND 10/14/2022.
 2. POSTION BATHYMETRIC SURVEYS COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC. ON 4/24/2023.
 3. 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).
 4. DATUM OF 1983 NAVD, REFERENCE BENCHMARK U 79, N. 81294.31, E. 82252.63, ELEV. = +4.25' MAVD.
 5. SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH LICENSE EM 1110-2-1003, HYDROGRAPHIC SURVEYING AND CHARTING.
 6. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.
 7. AERIAL PHOTOGRAPHY OBTAINED FROM NOAA, DATED OCTOBER 2022.

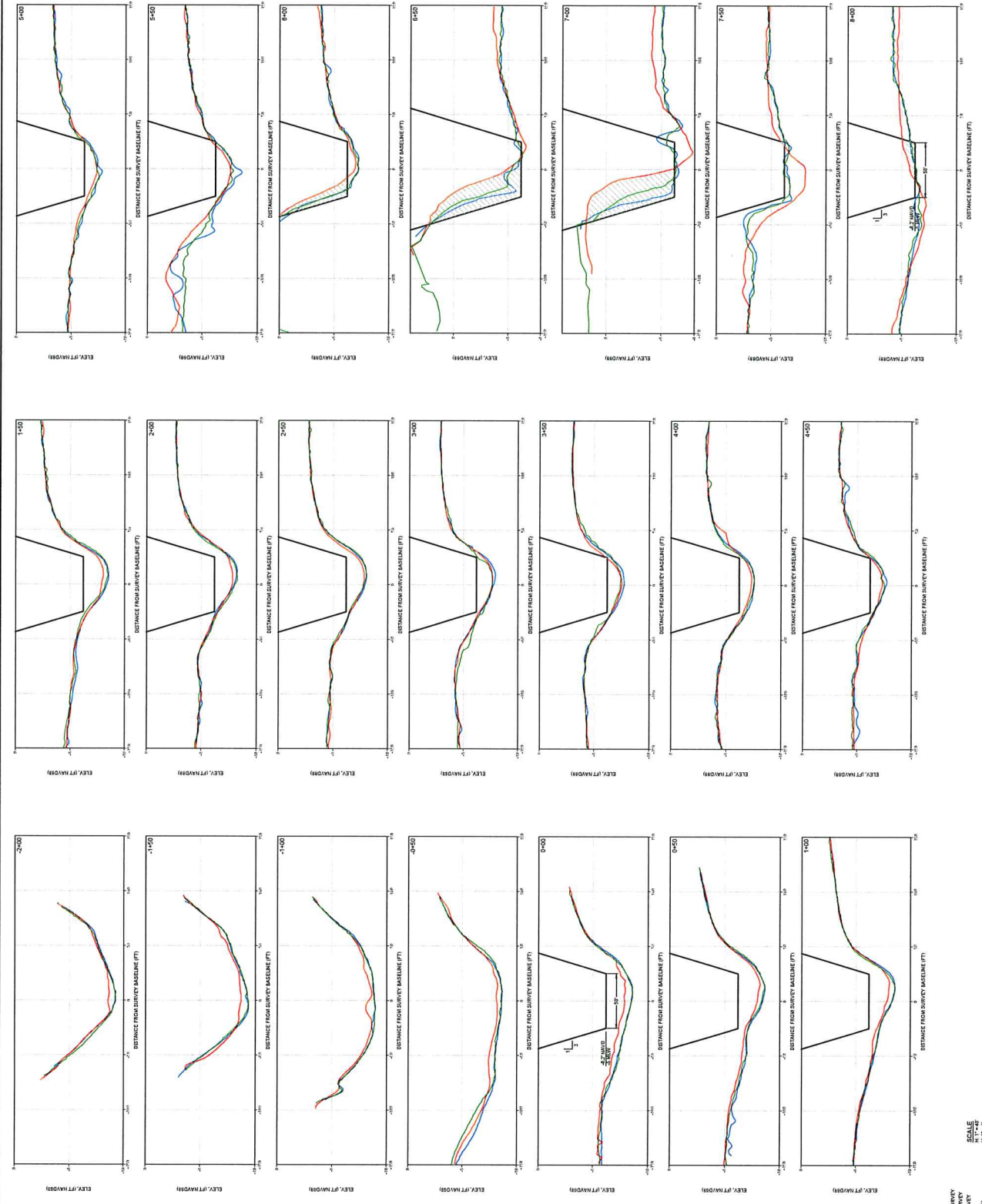
SURVEY BASELINE DATA TABLE

LINE #	SECTION	LENGTH	START POINT (N, E)	END POINT (N, E)
1	1	100.00	100.00, 0.00	100.00, 0.00
2	2	100.00	100.00, 0.00	100.00, 0.00
3	3	100.00	100.00, 0.00	100.00, 0.00

ALLIGATOR BAY

**SUNRISE WATERWAY
BATHMETRIC SURVEY
CROSS SECTIONS: +2+00 TO 8+00**

CLIENT:	CHARLOTTE COUNTY
DATE:	5/2/2023
SCALE:	AS NOTED
DESIGNER:	WJA
CHECKED:	RJE
SEC.:	TMP
ACAD. NO.:	
REF. NO.:	
NO.:	23075-SUNJ.dwg
DATE:	
BT	
REVISION DESCRIPTION	



LEGEND

- WATER SURFACE
- CHANNEL SURVEY
- BANK SURVEY
- BEDROCK AREA

SCALE
1" = 10'

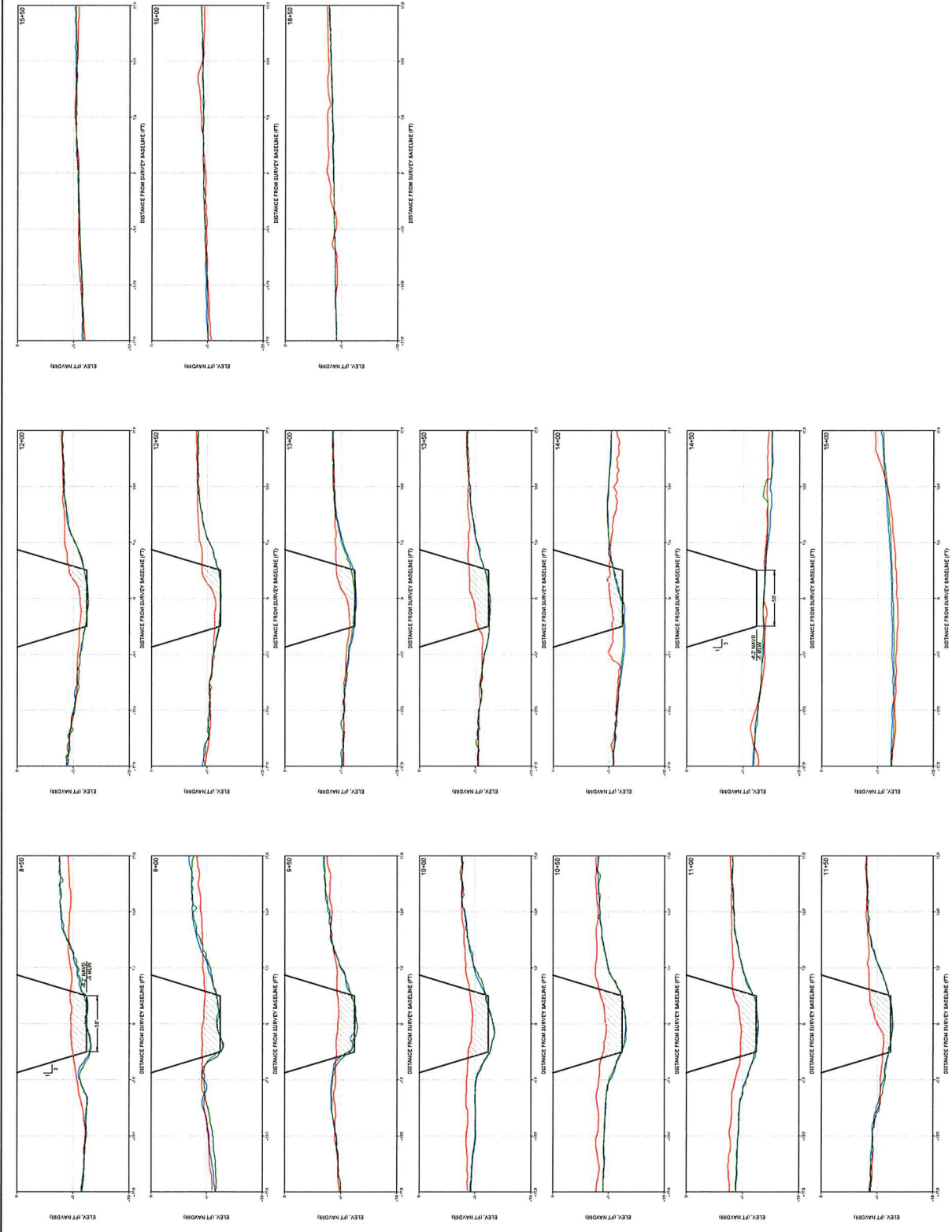


2421 BONITA CROSSINGS BLVD
BONITA SPRINGS, FLORIDA 34135

COASTAL & MARINE ENGINEERING
ENVIRONMENTAL & GEOLOGICAL SERVICES
SURVEYING, CA 2454
ENGINEERING, CA 2454
SURVEYING, LD 2454
PHONE: (239)43-2324
FAX: (239)43-1143
www.coastalmarineengineering.com
E-Mail: info@ceem.com

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

REF. NO.	NO.	DATE	REVISION DESCRIPTION
23075-SUNRA.dwg	23.075		
ACAD NO.	NO.	DATE	REVISION DESCRIPTION
SEC.	NO.	DATE	REVISION DESCRIPTION
CHECKED	DATE	BY	DESCRIPTION
WVA			
DATE	SCALE	AS NOTED	
5/22/23			



SCALE
1" = 10'-0"

LEGEND
 1940s2000 SURVEY
 2000 SURVEY
 2023 SURVEY
 CHANNEL BOUNDARY
 BEDROCK AREA


FY2024 Tentative Meeting Schedule

Buena Vista Waterway MSBU Advisory Board

Wednesdays at 10:30 a.m. for the following dates:

- **2/21/2024**
- **5/22/2024**
- **8/28/2024**
- **11/20/2024**




**Buena Vista Area Waterway
Municipal Service Benefit Unit**
 Advisory Board Meeting Attendance
 Wednesday, October 4, 2023
 Location: 2280 Aaron Street, Port Charlotte, Florida
 Port Charlotte Public Library

**INFORMATION SUPPLIED ON THIS FORM
BECOMES PUBLIC RECORD**

NAME (please print)	Email Address	Phone Number
Erica LeMaster	Erica.LeMaster@charlottecountyfl.gov	941.575.3626
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Richard Russell	rrussell1023@icloud.com	770 737 2178 941-875-4601
Mike D	dicklemontionskey@comcast.net	
John T	sudestiny@comcast.net	9416296683
Donna Elliott	Donna.elliott1968@comcast.net	941 815 8765
Chuck Witzke	on file	on file
Zach Patchell	zach.patchell@CharlotteCountyFL.gov	