MINUTES
ALLIGATOR CREEK WATERWAY
MUNICIPAL SERVICE BENEFIT UNIT (MSBU)

ADVISORY BOARD REGULAR MEETING
THURSDAY, JANUARY 20, 2022

10:00 a.m. – 11:51 a.m.
Charlotte Harbor Event Center
75 Taylor Street, Punta Gorda, Florida

Members Present:	Bob Simmons, Chair Howard Brooks, Vice-Chair Norman Ashworth David Johnston
Members Absent:	None
County Staff:	Karlene McDonald, Community Liaison Zach Patchell, Project Manager Janina Stamoulis, Executive Assistant
Guests:	See attached sign-in sheet

Call to Order / Roll Call:
The meeting was called to order at 10:00 a.m. A roll call was taken, and a quorum was present. Ms. McDonald noted that Robin Leach has moved out of the MSBU and had to forfeit his position on the Board. Mr. Ashworth noted he too is moving out of the Unit and will resign when his property is sold.

Changes to the Agenda:
Mr. Simmons requested Mr. Johnston introduce himself as the newest member; Mr. Johnston has been a resident of Alligator Creek since the 1980's, he reviewed his professional background and knowledge of sailing, boating and his various volunteer activities with the local sailing club. He inquired about the work under the purview of this Advisory Board and the territory of the Unit

Election of Officers:
Mr. Simmons proposed a motion to table election of officers until additional members are appointed, Mr. Ashworth so moved, seconded by Mr. Johnston, and unanimously approved.

Sunshine Law, Roberts Rules of Order and Public Records Review:
The Advisory Board watched the Sunshine Law presentation by the County Attorney; Mr. Simmons inquired about any legal action taken against Advisory Board members in Charlotte County, to Ms. McDonald's brief historical knowledge legal action has not been taken, but members have been removed from boards. Mr. Johnston inquired about Sunshine Law requirements versus perceptions, referencing of two Commissioners taking an elevator together. The County Attorney always airs on the side of caution to avoid any question of a possible violation, including the optics of Commissioners sharing an elevator or Advisory Board members attending an Association meeting where MSBU items are discussed. The Roberts Rules of Order presentation was viewed, and Ms. McDonald noted where to find the Records Management Department contact information on the County webpage.

Citizen Input on Agenda Items (3-Minute Limit):
- Mr. Gramza commented on using the Alligator Creek Waterway twice a month with his kayaking group to north of US41. He inquired about MSBU's responsibility to recreational

activities not just sail and motorboats. He commented on Alligator Creek north of US41 has no public access for parking, kayak launches, or boat ramps

Approval of Minutes:
The draft minutes from July 15, 2021, were unanimously approved as submitted.

Unfinished Business:

a. Boater Restricted Zone: Manatee Study: Ms. McDonald noted no other boater restricted zone qualifications apply to Alligator Creek, the only way to have a slow speed minimum wake or no wake zone through to Marker 9 & 10 is to conduct a manatee study. County staff estimate a manatee study could cost approximately $10,000. There was no motion made to move forward.
b. Review: FY21 Pre-Storm Survey: Mr. Simmons commented on the FY21 pre-storm survey, unlike previous years, AIM Engineering did not include channel markers on the overlay; he requested this be added to future contracts. Mr. Patchell confirmed markers and using the most current satellite map for the overlay will be included in the scope of work for pre-storm surveys moving forward. The FY21 pre-storm survey cost $19,590. Mr. Simmons inquired about other engineering firms who have conducted surveys for Charlotte County, they include Coastal Engineering, Johnson Engineering, DMK and Atkins Engineering. Mr. Patchell provided an overview of the project process. Mr. Patchell urged the Advisory Board to consider staggering the dredge construction in coordination with other planned County projects to retain competitive bids. He noted construction costs for marine work have more than doubled, where we projected $30-45 per cubic yard, we now estimate $100 per cubic yard.

   There was approximately 6,057 cubic yards of volume within the Creek, Mr. Patchell had identified the heaviest areas between stations 8-31, 69-72, 80-87, 89-94, 96-105, 124-155, 155-159 (which is only permitted to -5FT MLW) totaling 5,507 cubic yards. Mr. Johnston inquired about where the most benefit for a spot dredge would be. Mr. Patchell noted the most property owners would see a benefit from dredging the access. Mr. Simmons entertained a motion to move forward with a maintenance dredge to include half the heaviest identified areas starting with the access and progressing upstream not to exceed the adopted budget, Mr. Ashworth so moved and seconded by Mr. Johnston. Discussion ensued regarding the funding needs for the design & engineering of this project scope; Mr. Patchell recommended $80,000, Mr. Simmons motioned to amend to include increasing the Engineering budget for FY22, seconded by Mr. Ashworth and the revised amendment to read: motion to move forward with a maintenance dredge to include half the heaviest identified areas starting with the access and progressing upstream, increasing the engineering budget to $80,000 was unanimously approved.

New Business:

a. Future Navigational Trimming: Navigational trimming is not a routine service; requests are received on a complaint basis from citizens or from the Advisory Board. Discussion ensued regarding the type of contractors who submit for these projects and the FY22 budget of $20,000. Mr. Simmons suggested the Advisory Board conduct additional public outreach to build a program.
b. Future Pre-Storm Survey: Mr. Simmons entertained a motion not to move forward with a FY22 pre-storm survey, Mr. Johnston so moved and seconded by Mr. Ashworth and unanimously approved. Mr. Simmons suggested the funds be used for the design & engineering of the dredge project.
c. Financial Reports: The FY21 fourth quarter and FY22 first quarter financial reports, and the FY22 adopted budget were reviewed. Mr. Simmons inquired about the cost for the meeting room rental, Ms. McDonald confirmed Public Works completes a waiver to use Community Services' facilities. Ms. McDonald reviewed the new quarterly financial report format.

Citizen Input on MSBU Items (3-Minute Limit):
None

Advisory Board Open Discussion:
Mr. Simmons would like to see representation from all communities that use Alligator Creek including the bird section of PGI. He also reminded everyone to do outreach regarding navigational trimming needs. Discussion followed regarding the Riviera Marina.

Meeting Schedule / Items for Next Agenda:
Future meetings scheduled at the Charlotte Harbor Event Center as follows:

- April 21, 2022
- July 21, 2022
- October 27, 2022

The meeting adjourned at 10:18 a.m.

Submitted by: Karlene McDonald
Public Works Department

Bob Simmons
Chair Signature

Date

AGENDA
ALLIGATOR CREEK WATERWAY
MUNICIPAL SERVICE BENEFIT UNIT (MSBU)

ADVISORY BOARD REGULAR MEETING
THURSDAY, JANUARY 20, 2022

10:00 a.m., Charlotte Harbor Event Center
75 Taylor Street, Punta Gorda, Florida

BOARD MEMBERS:	Bob Simmons, Chair Howard Brooks, Vice-Chair Norman Ashworth David Johnston
COUNTY STAFF:	Karlene McDonald, Community Liaison
PURPOSE:	Regular Meeting

1. Call to Order / Roll Call
2. Changes to the Agenda / Motion to Approve Changes
3. Election of Officers
4. Review Sunshine Law, Robert's Rules of Order and Public Records
5. Citizen Input on Agenda Items (3-Minute Limit)
6. Approval of Minutes: July 15, 2021
7. Unfinished Business:
    a. Boater Restricted Zone: Manatee Study
    b. Review: FY21 Pre-Storm Survey
8. New Business:
    a. Future Navigational Trimming
    b. Future Pre-Storm Survey
    c. Financial Reports
9. Citizen Input on MSBU Items (3-Minute Limit)
10. Advisory Board Open Discussion
11. Meeting Schedule / Items for Next Agenda
12. Motion to Adjourn

CHARLOTTE COUNTY
FLORIDA

Alligator Creek Waterway
Municipal Service Benefit Unit

Advisory Board Meeting Attendance
Thursday, January 20, 2022

Location: 75 Taylor Street, Punta Gorda, Florida
Charlotte Harbor Event Center

INFORMATION SUPPLIED ON THIS FORM BECOMES PUBLIC RECORD

NAME (please print)	Email Address	Phone Number
Karlene McDonald	Karlene.McDonald@charlottecountyfl.gov	941.575.3627
Thomas Gramza	tmgramza@yahoo.com	941.204.9086
NORMAN ASHWORTH	NASHWORTH4@COMCAST.NET	941 639-1646
Zach Patchell	Zach.Patchell@CharlotteCountyFL.com	575-7009
JANINA STAMOULIS	JANINA.STAMOULIS@CHARLOTTECOUNTYFL.GOV	941-743-1300
Bob Simmons	beampeach2@hotmail	936-333-7709

Monthly MSBU Activity Report

START DATE: 7/1/2021 **END DATE:** 9/30/2021

PW-ALCRKWWM Alligator Creek WW Mtc

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost
	1220369	PW-ALCRKWWM MSDR Annual Work Order	PW-ALCRKWWM	Alligator Creek WW Mtc										
					10-9866 MSDR	07/01/2021	1.50	113.90	0.00	0.00	0.00	**1.50**	LHR	113.90
						07/02/2021	0.00	0.00	0.00	0.00	0.00	**0.00**	LHR	0.00
						07/07/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						07/08/2021	1.00	75.93	0.00	0.00	0.00	**1.00**	LHR	75.93
						07/12/2021	0.75	56.95	0.00	0.00	0.00	**0.75**	LHR	56.95
						07/13/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						07/14/2021	1.00	75.93	0.00	0.00	0.00	**1.00**	LHR	75.93
						07/15/2021	2.00	151.86	0.00	0.00	0.00	**2.00**	LHR	151.86
						07/19/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						07/20/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						08/04/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						08/05/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						08/16/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						08/17/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						08/31/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						09/01/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						09/02/2021	0.75	56.95	0.00	0.00	0.00	**0.75**	LHR	56.95
						09/09/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						09/13/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						09/15/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						09/16/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						09/20/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						09/21/2021	1.00	75.93	0.00	0.00	0.00	**1.00**	LHR	75.93
						09/22/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						09/27/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						09/28/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
					MSDR Total		**14.75**	**1,119.97**	**0.00**	**0.00**	**0.00**	**14.75**	LHR	**1,119.97**
					Total WO Number: 1220369		**14.75**	**1,119.97**	**0.00**	**0.00**	**0.00**	**14.75**	LHR	**1,119.97**
C392003	1677297	PW-ALCRKWWM Alligator Creek Dredging Entrance Channel c392003	PW-ALCRKWWM	Alligator Creek WW Mtc										
					93-9357D Project Management	07/15/2021	2.00	175.58	0.00	0.00	0.00	**2.00**	LHR	175.58
						07/27/2021	2.00	175.58	0.00	0.00	0.00	**2.00**	LHR	175.58
						07/28/2021	2.00	175.58	0.00	0.00	0.00	**2.00**	LHR	175.58
						07/29/2021	2.00	175.58	0.00	0.00	0.00	**2.00**	LHR	175.58
						07/30/2021	1.00	87.79	0.00	0.00	0.00	**1.00**	LHR	87.79
						08/03/2021	0.50	43.90	0.00	0.00	0.00	**0.50**	LHR	43.90
						08/13/2021	1.00	87.79	0.00	0.00	0.00	**1.00**	LHR	87.79
						08/25/2021	0.50	43.90	0.00	0.00	0.00	**0.50**	LHR	43.90
						08/26/2021	1.00	87.79	0.00	0.00	0.00	**1.00**	LHR	87.79
						08/27/2021	2.00	175.58	0.00	0.00	0.00	**2.00**	LHR	175.58
						08/31/2021	2.00	175.58	0.00	0.00	0.00	**2.00**	LHR	175.58
						09/01/2021	2.00	175.58	0.00	0.00	0.00	**2.00**	LHR	175.58

PW-ALCRKWWM

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost
						09/02/2021	1.00	87.79	0.00	0.00	0.00	**1.00**	LHR	87.79
						09/16/2021	1.00	87.79	0.00	0.00	0.00	**1.00**	LHR	87.79
					Project Management Total		**20.00**	**1,755.80**	**0.00**	**0.00**	**0.00**	**20.00**	LHR	**1,755.80**
					93-9351D Meetings	07/15/2021	2.00	175.58	0.00	0.00	0.00	**2.00**	LHR	175.58
						09/21/2021	0.50	43.90	0.00	0.00	0.00	**0.50**	LHR	43.90
					Meetings Total		**2.50**	**219.48**	**0.00**	**0.00**	**0.00**	**2.50**	LHR	**219.48**
					Total WO Number: 1677297		**22.50**	**1,975.28**	**0.00**	**0.00**	**0.00**	**22.50**	LHR	**1,975.28**
					Total MSBU: PW-ALCRKWWM		**37.25**	**3,095.24**	**0.00**	**0.00**	**0.00**	**37.25**	LHR	**3,095.24**

UNAUDITED - Q4

CHARLOTTE COUNTY PUBLIC WORKS
MSBU FINANCIAL HISTORY
FY 12 THRU FY 21
FUND 1113
ALLIGATOR CREEK WATERWAY MAINT

Formerly Fund 188 (SO)	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Adopted Budget FY 20-21	FY 20-21 12 Mo. Actual (a)
BEGINNING BALANCE	$ 970,709.26	$ 1,016,577.63	$ 1,050,139.80	$ 1,078,685.95	$ 1,146,618.86	$ 1,054,013.36	$ 398,520.02	$ 454,301.87	$ 515,555.98	$ 537,029.00	$ 550,443.72
REVENUES RECEIVED											
Assessments	62,758.11	62,734.22	62,728.66	62,659.82	62,666.75	62,630.76	62,562.38	62,583.43	63,843.17	119,693.00	115,511.97
Interest	4,739.48	4,553.60	5,530.27	8,254.77	8,747.99	6,770.27	8,016.32	11,369.35	8,493.46	1,692.00	2,405.35
Grants - WCIND	-										
Net Inc(Decr) FMV/Inve:	3,498.24	(4,204.18)	1,404.69	2,548.35	77.77	(1,046.33)	(3,694.04)	7,408.88	4,565.20		(219.08)
Excess Fees /Misc.	612.79	540.65	478.12	434.42	457.57	478.32	341.04	383.72	55,351.65		
Less: Reserve - FS 129.01										(6,069.00)	
Interfund Transfer-Canal Mtc											
Total Revenue	71,608.62	63,624.29	70,141.74	73,897.36	71,950.08	68,833.02	67,225.70	81,745.38	132,253.48	115,316.00	117,698.24
TOTAL REVENUES & BALANCES	1,042,317.88	1,080,201.92	1,120,281.54	1,152,583.31	1,218,568.94	1,122,846.38	465,745.72	536,047.25	647,809.46	652,345.00	668,141.96
EXPENDITURES											
P/S - Engineering			1,500.00								
P/S - Engineering	17,035.50	13,879.27	34,483.95		45,926.79	208,836.49	1,060.00				
C/S - Dredging					100,803.50	457,519.85					
c392003 **P/S - Engineering**										65,000.00	
c392003 **C/S - Dredging**									67,171.50	400,000.00	
P/S - Engineering											
C/S - Other Contractual Svcs											
C/S - Navigational Trimming		8,415.00			4,910.00			11,690.00		20,000.00	
C/S - Survey									21,290.00	25,000.00	35,950.00
Central/Indirect Allocati	5,098.00	1,791.00	565.00	565.00	1,025.00	499.00	2,783.00	2,922.00	544.00	571.00	571.00
Equipment Repl Chgs/PW					2,553.43						
Maintenance Services	2,752.97	5,089.40	4,120.69	4,439.23	8,414.86	56,545.13	6,679.25	4,672.61	7,544.27	17,410.00	7,748.47
Advertising-Legal								347.49			
Tax Collector-Collectioi	853.78	887.45	925.95	960.22	922.00	925.89	921.60	859.17	815.97	2,394.00	2,310.24
Interfund Trf-Canal Mtc											
Total Expenditures	25,740.25	30,062.12	41,595.59	5,964.45	164,555.58	724,326.36	11,443.85	20,491.27	97,365.74	530,375.00	46,579.71
ENDING FUND BALANCE	$ 1,016,577.63	$ 1,050,139.80	$ 1,078,685.95	$ 1,146,618.86	$ 1,054,013.36	$ 398,520.02	$ 454,301.87	$ 515,555.98	$ 550,443.72	$ 121,970.00	$ 621,562.25
TOTAL EXPENSES & RESVS	1,042,317.88	1,080,201.92	1,120,281.54	1,152,583.31	1,218,568.94	1,122,846.38	465,745.72	536,047.25	647,809.46	652,345.00	668,141.96

Note (a): Twelve Month Actuals per Ledger Summary Report of 09/30/21
Maintenance Mgmt System through 09/30/21

ADOPTED
9.27.21

CHARLOTTE COUNTY PUBLIC WORKS DIVISION
FY 2021/22 BUDGET
ALLIGATOR CREEK WATERWAY MAINT UNIT (SO)
FUND # 1113
ADOPTED WATERWAY UNIT WORK PROGRAM

ESTIMATED ERU'S - FY 21/22			4,786.700
		COST PER ERU	TOTAL
PROJECTED FUND BALANCE - 10/1/21			$ 544,025
ESTIMATED REVENUE RATE		$ 25.00	115,363
FUNDS AVAILABLE			659,388
GRAND TOTAL MSBU WORK PROGRAM		$ 95.47	456,977
BALANCE AFTER PROGRAM			**202,411**
OTHER CASH OUTFLOWS (TRANSFERS OUT)			-
PROJECTED FUND BALANCE - 9/30/22			**$ 202,411**
TRANSFERS AND RESERVES SUMMARY			
RESERVE FOR FUTURE CAPITAL OUTLAY			70,533
RESERVE FOR CONTINGENCY-REGULAR			65,939
RESERVE-CASH CARRIED FORWARD			65,939
TOTAL TRANSFERS AND RESERVES			**202,411**
******TOTAL CASH OUTFLOWS AND RESERVES/BALANCES******			**$ 659,388**
Desired Minimum Fund Balance:	$76,163		
Allowable Fund Balance:	$131,878		

RATE HISTORY:	UNIT OF MEAS	COST PER UOM	COST/$75K WITH HMSTD
FY 2004/05	MILL	$ 0.49	$ 24.50
FY 2005/06	MILL	$ 0.49	$ 24.50
	UNIT OF MEAS	COST PER UOM	PER 80' LOT
FY 2012/13 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2013/14 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2014/15 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2015/16 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2016/17 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2017/18 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2018/19 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2019/20 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2020/21 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2021/22 Alligator Creek	ERU	$ 25.00	$ 25.00

CURRENT MAXIMUM RATE ALLIGATOR CREEK	$100.00
~~CURRENT MAXIMUM RATE ALLIGATOR CREEK SUB UNIT~~	~~$150.00~~

Totals may not add due to rounding.

ADOPTED
9.27.21

CHARLOTTE COUNTY PUBLIC WORKS DIVISION
FY 2021/22 BUDGET
ALLIGATOR CREEK WATERWAY MAINT UNIT (SO)
FUND # 1113
ADOPTED WATERWAY UNIT WORK PROGRAM

	PUBLIC WORKS SERVICES				TOTAL EXP
	Maintenance Services				$ 10,002
	Equipment Repl Chgs/PW				-
	Signing & Marking Materials				-
	Road/Drainage Maintenance Materials				-
	TOTAL PUBLIC WORKS SERVICES				10,002
	OTHER DIRECT COSTS				
	Postage & Notices				
	Central/Indirect Services Allocation				1,753
	Advertising - Legal				
	TOTAL OTHER DIRECT COST				1,753
	CONTRACT SERVICES	C/O $	NEW $		
	C/S - Other Contractual Svcs			84-8492	
	C/S - Survey			84-8499	25,000
	P/S - Engingeering			84-8490	
	C/S - Dredging			84-8486	
c392003	P/S - Engingeering			84-8490	65,000
c392003	C/S - Dredging			84-8486	332,829
	C/S - Navigational Trimming			84-8484	20,000
	TOTAL CONTRACT SERVICES				442,829
	TOTAL WORK PROGRAM				454,584
	DEBT SERVICE			Principal	
				Interest	
	TAX COLLECTOR-COLLECTION FEE				2,393
	APPRAISAL FEES				-
	GRAND TOTAL MSBU WORK PROGRAM				$ 456,977

Budget by Single MSBU

Budget Year: 2022-BUDGET
MSBU Code:

Department: All Departments
Activity: All Activities

WO #	Activity	Work Quantity	Work UOM	ADP	Crew Days	Crew Size	Labor Days	Labor Cost	Tool Cost	Parts Cost	Lump Sum	Budget Total
1710382	10-9866-MSDR	80.00	LHR	10.00	8.00	1.00	8.00	5,053.90	0.00	0.00	0.00	5,053.90
	Program 10 Totals:	**80.00**			**8.00**		**8.00**	**5,053.90**	**0.00**	**0.00**	**0.00**	**5,053.90**
1713412	84-8484-C/S Vegetation Removal	20,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20,000.00	20,000.00
1711275	84-8486-Contract Dredging	332,829.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	332,829.00	332,829.00
1711358	84-8490-Professional Engineer Svcs	65,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65,000.00	65,000.00
1713278	84-8491-Oth Contr Svc 1 (See File)	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1712671	84-8499 - C/S Survey	25,000.00	DOL	0.00	0.00	1.00	0.00	0.00	0.00	0.00	25,000.00	25,000.00
	Program 84 Totals:	**442,829.00**			**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**442,829.00**	**442,829.00**
1712030	93-9357-Project Management	165.80	LHR	15.00	11.05	0.50	5.53	4,537.04	411.06	0.00	0.00	4,948.10
	Program 93 Totals:	**165.80**			**11.05**		**5.53**	**4,537.04**	**411.06**	**0.00**	**0.00**	**4,948.10**
	PW-ALCRKWWM Totals:	**443,074.80**			**19.05**		**13.53**	**9,590.94**	**411.06**	**0.00**	**442,829.00**	**452,831.00**

APPROVED
9.27.21

CHARLOTTE COUNTY PUBLIC WORKS DIVISION
FY 2022/23 BUDGET
ALLIGATOR CREEK WATERWAY MAINT UNIT (SO)
FUND # 1113
PROPOSED WATERWAY UNIT WORK PROGRAM

ESTIMATED ERU'S - FY 22/23		4,786.7
	COST PER ERU	TOTAL
PROJECTED FUND BALANCE - 10/1/22		$ 202,411
ESTIMATED REVENUE AT PROPOSED RATE	$ 25.00	114,495
FUNDS AVAILABLE		316,906
GRAND TOTAL MSBU WORK PROGRAM	$ 11.38	54,490
BALANCE AFTER PROGRAM		**262,416**
OTHER CASH OUTFLOWS (TRANSFERS OUT)		-
PROJECTED FUND BALANCE - 9/30/23		**$ 262,416**
TRANSFERS AND RESERVES SUMMARY		
RESERVE FOR FUTURE CAPITAL OUTLAY		199,034
RESERVE FOR CONTINGENCY-REGULAR		31,691
RESERVE-CASH CARRIED FORWARD		31,691
TOTAL TRANSFERS AND RESERVES		**262,416**
******TOTAL CASH OUTFLOWS AND RESERVES/BALANCES******		**$ 316,906**

Desired Minimum Fund Balance: $9,082
Allowable Fund Balance: $63,381

RATE HISTORY:	UNIT OF MEAS	COST PER UOM	COST/$75K WITH HMSTD
FY 2004/05	MILL	$ 0.49	$ 24.50
FY 2005/06	MILL	$ 0.49	$ 24.50
	UNIT OF MEAS	COST PER UOM	PER 80' LOT
FY 2013/14 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2014/15 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2015/16 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2016/17 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2017/18 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2018/19 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2019/20 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2020/21 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2021/22 Alligator Creek	ERU	$ 25.00	$ 25.00
FY 2022/23 Alligator Creek Proposed	ERU	$ 25.00	$ 25.00

CURRENT MAXIMUM RATE ALLIGATOR CREEK	$100.00
~~CURRENT MAXIMUM RATE ALLIGATOR CREEK SUB UNIT~~	~~$150.00~~

Totals may not add due to rounding.

CHARLOTTE COUNTY PUBLIC WORKS DIVISION
FY 2022/23 BUDGET
ALLIGATOR CREEK WATERWAY MAINT UNIT (SO)
FUND # 1113
PROPOSED WATERWAY UNIT WORK PROGRAM

APPROVED
9.27.21

	PUBLIC WORKS SERVICES				TOTAL EXP
	Maintenance Services				$ 5,256
	Equipment Repl Chgs/PW				-
	Signing & Marking Materials				-
	Road/Drainage Maintenance Materials				-
	TOTAL PUBLIC WORKS SERVICES				5,256
	OTHER DIRECT COSTS				
	Postage & Notices				
	Central/Indirect Services Allocation				1,841
	Advertising - Legal				
	TOTAL OTHER DIRECT COST				1,841
	CONTRACT SERVICES	C/O $	NEW $		
	C/S - Other Contractual Svcs			84-8491	-
	C/S - Survey			84-8499	25,000
c392003	P/S - Engingeering			84-8490	-
c392003	C/S - Dredging			84-8486	-
	C/S - Navigational Trimming			84-8484	20,000
	TOTAL CONTRACT SERVICES				45,000
	TOTAL WORK PROGRAM				52,097
	DEBT SERVICE			Principal	
				Interest	
	TAX COLLECTOR-COLLECTION FEE				2,393
	APPRAISAL FEES				-
	GRAND TOTAL MSBU WORK PROGRAM				$ 54,490

Budget by Single MSBU

Budget Year: 2023-BUDGET
MSBU Code:

Department: All Departments
Activity: All Activities

WO #	Activity	Work Quantity	Work UOM	ADP	Crew Days	Crew Size	Labor Days	Labor Cost	Tool Cost	Parts Cost	Lump Sum	Budget Total
1717051	10-9866-MSDR	80.00	LHR	10.00	8.00	1.00	8.00	5,256.06	0.00	0.00	0.00	5,256.06
	Program 10 Totals:	**80.00**			**8.00**		**8.00**	**5,256.06**	**0.00**	**0.00**	**0.00**	**5,256.06**
1748326	84-8484-C/S Vegetation Removal	20,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20,000.00	20,000.00
1717935	84-8486-Contract Dredging	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1717938	84-8486-Contract Dredging	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718021	84-8490-Professional Engineer Svcs	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718073	84-8491-Oth Contr Svc 1 (See File)	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718236	84-8499 - C/S Survey	25,000.00	DOL	0.00	0.00	1.00	0.00	0.00	0.00	0.00	25,000.00	25,000.00
	Program 84 Totals:	**45,000.00**			**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**45,000.00**	**45,000.00**
1718290	93-9357-Project Management	0.00	LHR	15.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00
	Program 93 Totals:	**0.00**			**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	PW-ALCRKWWM Totals:	**45,080.00**			**8.00**		**8.00**	**5,256.06**	**0.00**	**0.00**	**45,000.00**	**50,256.06**

FY2022 Capital Improvements Budget / FY 2022 - FY 2027 Project Detail

Project No. c392003

GENERAL PROJECT DATA:		Status: In Progress
Project Title:	Alligator Creek - Entrance Channel	
Functional Area:	Stormwater, Dredging, Coastal Management	
Department:	Public Works\Engineering	
Location:	Alligator Creek WW, South County	

CONCURRENCY REQUIREMENTS	(Y/N)
Does project add new capacity?	Yes/No
Is project required to maintain level of service:	
- Within 5 years? List project in CIE	Yes/No
- From 6 to 10 years? Monitor Annually	Yes/No

PROJECT NEED CRITERIA	
Safety	
Mandate	X
Replace	
Growth	

PROJECT SCHEDULE	FY22 1 2 3 4	FY23 1 2 3 4	FY24 1 2 3 4	FY25 1 2 3 4	FY26 1 2 3 4	FY27 1 2 3 4
Desgn/Arch	■					
Land/ROW						
Construct	■					
Equipment						

PROJECT DESCRIPTION:

FY20 - Design and Permit Maintenance Dredge of the entrance channel impacted by Hurricane Irma to the -6' MLW (mean low water) depth.

FY21 - Construction Maintenance Dredge: Construction costs to be determined once quantities have been identified.

Benchmark Survey in the event of a Hurricane

Survey money has been moved to line item section of the financials and will be budgeted for the same amount each year.

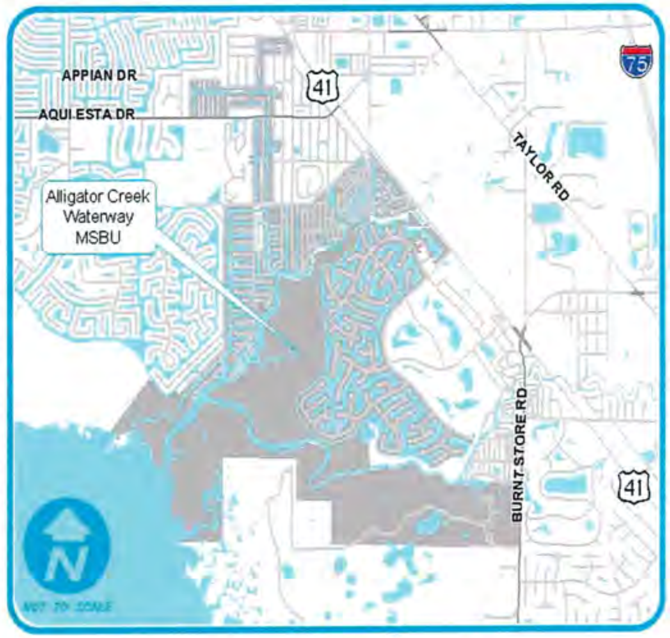
OPERATING BUDGET IMPACT:

PROJECT RATIONALE (Include Additional LOS Detail, if necessary):

The committee for Alligator Creek has specifically requested that this project be brought forward, to negotiate with FDEP to dredge deeper than the standard -5'.

REPLACEMENT COUNTY PROPERTY NO.:

	Prior Actual	Est FY21	Calc. for FY22 Orig. FY22	Calc. for FY22 Est c/o to FY22	Calc. for FY22 New $ FY22	FY22	FY23	FY24	FY25	FY26	FY27	FUTURE	Total
EXPENDITURE PLAN (000'S)													
Design/Arch/Eng				65		65							65
Land (or ROW)													
Construction	67			333		333							400
Internal Costs	3			5		5							8
Equipment													
Interest													
Other Fees & Costs													
Total Project Cost	70			403		403							473
FUNDING PLAN (000'S)													
MSBU/TU Assessments	70			403		403							473
Total Funding	70			403		403							473
LOAN REPAYMENT SCHEDULE (000'S)													
Total Loan Repayment													
OPERATING BUDGET IMPACT (000'S)													
Personal Svc.													
Non-personal													
Capital													
Total Operating													



Category Definitions - Quarterly Financial Reports

Revenues:	*Includes:*
Assessments & Earnings	Assessment fees, Interest and Investment Earnings
Grant & Subsidy Revenue	Federal, State and Local Grants, Subsidies from other funding sources
Loans & Borrowing	Debt proceeds

Expenditures:	*Includes:*
Contract Services	Installed Sod Repairs (Irrigation, Sidewalk, Driveway, Asphalt, etc.) Street Sweeping Survey Traffic Control Tree Removal / Replacement **excludes project costs and itemized contracual items listed below Different templates will show different itemized accounts Itemized Items - SD Template - Pipe Lining, ROW Maint, ROW Recl, Spec Mowing Itemized Items - WW template - Survey, Navigatoinal Trimming Itemized Items - Stormwater - Pipe Lining, Water Quality Itemized Items - Beaches - none, most expenses are project related
Public Works Services	Costs incurred by the MSBU Work Program and Project(s) for Labor, Tools/Equipment and Material usage Public Works Services periods covered: Q1 PE 12.31 = (2mo) October - November actuals Q2 PE 3.31 = (5mo cumulative) October - February actuals Q3 PE 6.30 = (8mo cumulative) October - May actuals Q4 PE 9.30 = (12mo cumulative) October - September actuals
Internal Charges	Inter-department charges for services provided. This calculation is based on actual expenditure data from 2 years in arrears. Not to exceed 5% of the current fiscal year assessment revenue.
Purchased Services	Legal Advertising (MSBU Notice Mailings) / Postage Aquatic Weed Charges Landfill Fees POA Fees Electricity & Water Tax Collector Collection Fees
Materials and Supplies	Operating Supplies (Example: Stakes for sea turtle nest / beach monitoring)
Capital Outlay	Non project related capital costs (Example: Permanent radar signs) Right of Way Acquisition (Example: Easements)
Debt Services	Principal Loan Payments Interest Payments Cost of debt (arbitrage, closing costs, etc)

Project Costs	*Includes:*
Project Costs	Construction (Dredging, Bridge Maintenance, Paving), Engineering and Design

Reserves (Ending Fund Balance)	*Includes:*
Reserves / Ending Fund Balance	Reserve for Contingencies, Cash Carried Forward, Future Capital Outlay (per reseve policy)

Alligator Creek Waterway MSBU

Fund Financial Report

Oct. 1 - Dec. 31, 2021

	Actual FY2021	Adopted Budget FY2022	YTD Actual FY2022	Projected FY2022
Beginning Balance	$550,444	$544,025	$620,934	$620,934
Revenues				
Assessments & Earnings	116,237	115,363	89,043	115,363
Grant & Subsidy Revenue	-	-	-	-
Loans & Borrowing	-	-	-	-
Total Revenue	$116,237	$115,363	$89,043	$115,363
Expenditures				
Contract Services	-	-	-	-
Survey	35,950	25,000	-	25,000
Navigational Trimming	-	20,000	-	20,000
Public Works Services	7,748	10,002	569	10,002
Internal Charges	571	1,753	1,753	1,753
Purchased Services	1,477	2,393	1,780	2,393
Materials and Supplies	-	-	-	-
Capital Outlay	-	-	-	-
Debt Services	-	-	-	-
Project Costs				
Entrance Channel Dredge	-	397,829	-	397,829
Total Expenditures	$45,747	$456,977	$4,103	$456,977
Reserves (Ending Fund Balance)	$620,934	$202,411	$705,875	$279,320
Reserve %	*93.1%*	*30.7%*	*99.4%*	*37.9%*

Date Prepared: 1/12/2022

Monthly MSBU Activity Report

START DATE: 10/1/2021 END DATE: 11/30/2021

PW-ALCRKWWM Alligator Creek WW Mtc

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost
	1220369	PW-ALCRKWWM MSDR Annual Work Order	PW-ALCRKWWM	Alligator Creek WW Mtc										
					10-9866 MSDR	10/04/2021	0.75	56.95	0.00	0.00	0.00	**0.75**	LHR	56.95
						10/05/2021	0.75	56.95	0.00	0.00	0.00	**0.75**	LHR	56.95
						10/06/2021	0.75	56.95	0.00	0.00	0.00	**0.75**	LHR	56.95
						10/12/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						10/13/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						10/14/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						10/18/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						10/19/2021	1.25	94.91	0.00	0.00	0.00	**1.25**	LHR	94.91
						10/20/2021	0.25	18.98	0.00	0.00	0.00	**0.25**	LHR	18.98
						10/25/2021	1.25	94.91	0.00	0.00	0.00	**1.25**	LHR	94.91
						10/26/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						10/28/2021	0.50	37.97	0.00	0.00	0.00	**0.50**	LHR	37.97
						11/02/2021	0.50	45.70	0.00	0.00	0.00	**0.50**	LHR	45.70
						11/03/2021	0.75	68.54	0.00	0.00	0.00	**0.75**	LHR	68.54
						11/17/2021	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						11/18/2021	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						11/29/2021	0.50	45.70	0.00	0.00	0.00	**0.50**	LHR	45.70
					MSDR Total		**9.75**	**775.10**	**0.00**	**0.00**	**0.00**	**9.75**	LHR	**775.10**
					Total WO Number: 1220369		**9.75**	**775.10**	**0.00**	**0.00**	**0.00**	**9.75**	LHR	**775.10**
					Total MSBU: PW-ALCRKWWM		**9.75**	**775.10**	**0.00**	**0.00**	**0.00**	**9.75**	LHR	**775.10**

Monthly MSBU Activity Report

START DATE: 12/1/2021 END DATE: 2/28/2022

PW-ALCRKWWM Alligator Creek WW Mtc

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost
	1220369	PW-ALCRKWWM MSDR Annual Work Order	PW-ALCRKWWM	Alligator Creek WW Mtc										
					10-9866 MSDR	12/06/2021	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						12/08/2021	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						12/13/2021	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						12/14/2021	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						12/15/2021	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						12/16/2021	0.50	45.70	0.00	0.00	0.00	**0.50**	LHR	45.70
						12/17/2021	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						12/20/2021	0.50	45.70	0.00	0.00	0.00	**0.50**	LHR	45.70
						12/28/2021	1.00	91.39	0.00	0.00	0.00	**1.00**	LHR	91.39
						12/29/2021	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						01/03/2022	0.75	68.54	0.00	0.00	0.00	**0.75**	LHR	68.54
						01/04/2022	2.50	228.48	0.00	0.00	0.00	**2.50**	LHR	228.48
						01/05/2022	0.50	45.70	0.00	0.00	0.00	**0.50**	LHR	45.70
						01/06/2022	1.00	91.39	0.00	0.00	0.00	**1.00**	LHR	91.39
						01/10/2022	0.50	45.70	0.00	0.00	0.00	**0.50**	LHR	45.70
						01/11/2022	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						01/12/2022	0.75	68.54	0.00	0.00	0.00	**0.75**	LHR	68.54
						01/13/2022	1.50	137.09	0.00	0.00	0.00	**1.50**	LHR	137.09
						01/18/2022	0.50	45.70	0.00	0.00	0.00	**0.50**	LHR	45.70
						01/19/2022	0.75	68.54	0.00	0.00	0.00	**0.75**	LHR	68.54
						01/20/2022	2.00	182.78	0.00	0.00	0.00	**2.00**	LHR	182.78
						01/25/2022	3.00	274.17	0.00	0.00	0.00	**3.00**	LHR	274.17
						01/26/2022	1.00	91.39	0.00	0.00	0.00	**1.00**	LHR	91.39
						02/01/2022	0.75	68.54	0.00	0.00	0.00	**0.75**	LHR	68.54
						02/02/2022	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						02/03/2022	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						02/07/2022	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						02/10/2022	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
						02/14/2022	0.50	45.70	0.00	0.00	0.00	**0.50**	LHR	45.70
						02/16/2022	0.75	68.54	0.00	0.00	0.00	**0.75**	LHR	68.54
						02/17/2022	0.50	45.70	0.00	0.00	0.00	**0.50**	LHR	45.70
						02/28/2022	0.25	22.85	0.00	0.00	0.00	**0.25**	LHR	22.85
					MSDR Total		**22.50**	**2,056.28**	**0.00**	**0.00**	**0.00**	**22.50**	LHR	**2,056.28**
					Total WO Number: 1220369		**22.50**	**2,056.28**	**0.00**	**0.00**	**0.00**	**22.50**	LHR	**2,056.28**
C392003	1677297	PW-ALCRKWWM Alligator Creek Dredging Entrance Channel c392003	PW-ALCRKWWM	Alligator Creek WW Mtc										
					93-9357D Project Management	01/19/2022	3.00	320.37	0.00	0.00	0.00	**3.00**	LHR	320.37
						01/20/2022	1.00	106.79	0.00	0.00	0.00	**1.00**	LHR	106.79
						01/28/2022	1.00	106.79	0.00	0.00	0.00	**1.00**	LHR	106.79
						02/25/2022	2.00	213.58	0.00	0.00	0.00	**2.00**	LHR	213.58
					Project Management Total		**7.00**	**747.53**	**0.00**	**0.00**	**0.00**	**7.00**	LHR	**747.53**

Monthly MSBU Activity Report

START DATE: 12/1/2021 **END DATE:** 2/28/2022

PW-ALCRKWWM **Alligator Creek WW Mtc**

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost
					93-9351D Meetings	01/20/2022	3.00	320.37	0.00	0.00	0.00	3.00	LHR	320.37
					Meetings Total		**3.00**	**320.37**	**0.00**	**0.00**	**0.00**	**3.00**	LHR	**320.37**
					Total WO Number: 1677297		**10.00**	**1,067.90**	**0.00**	**0.00**	**0.00**	**10.00**	LHR	**1,067.90**
					Total MSBU: PW-ALCRKWWM		**32.50**	**3,124.18**	**0.00**	**0.00**	**0.00**	**32.50**	LHR	**3,124.18**

Alligator Creek Waterway MSBU
Fund Financial Report
Oct. 1, 2021 - Mar. 31, 2022

	Actual FY2021	Adopted Budget FY2022	YTD Actual FY2022	Projected FY2022
Beginning Balance	$550,444	$544,025	$620,934	$620,934
Revenues				
Assessments & Earnings	116,237	115,363	107,424	115,363
Grant & Subsidy Revenue	-	-	-	-
Loans & Borrowing	-	-	-	-
Total Revenue	$116,237	$115,363	$107,424	$115,363
Expenditures				
Contract Services	-	-	-	-
Survey	35,950	25,000	-	-
Navigational Trimming	-	20,000	-	20,000
Public Works Services	7,748	10,002	3,899	10,002
Internal Charges	571	1,753	1,753	1,753
Purchased Services	1,477	2,393	2,136	2,393
Materials and Supplies	-	-	-	-
Capital Outlay	-	-	-	-
Debt Services	-	-	-	-
Project Costs				
Entrance Channel Dredge	-	397,829	-	422,829
Total Expenditures	$45,747	$456,977	$7,789	$456,977
Reserves (Ending Fund Balance)	$620,934	$202,411	$720,570	$279,320
Reserve %	*93.1%*	*30.7%*	*98.9%*	*37.9%*

Date Prepared: 4/1/2022

ALLIGATOR CREEK WATERWAY
Municipal Service Benefit Unit (MSBU)
FY 21 Annual Report – Executive Summary
October 1, 2020 – September 30, 2021

Ordinance 2015-045 adopts a countywide Uniform Standard for Municipal Service Benefit Unit (MSBU) And Municipal Service Taxing Unit (MSTU) Advisory Boards;

Sec. 4-1-18. Duties/Responsibilities

The advisory board shall make recommendations to the Board of County Commissioners and staff, limited to the scope and purpose of the Unit which includes, but is not limited to, the following:

1. To make recommendations to the County for expenditure of the funds within the budget in accordance with the law and Board of County Commissioners approved purchasing guidelines and;
2. To make recommendations to the Board of County Commissioners regarding the annual proposed budget for the Unit.

Purpose

Code of Laws and Ordinances, ARTICLE X. - ALLIGATOR CREEK WATERWAY UNIT
Sec. 4-7-197. - Purpose.

The purpose of this unit is to provide for the dredging, maintenance, clearing, marking for navigational purposes, and providing for safety devices in Alligator Creek, to provide residents and marine interests within the unit a means of use and enjoyment of the waterways in the unit and to Charlotte Harbor.

Summary

Current Rate: $25.00 **Max Rate: $100.00**

The FY21 completed work program included internal maintenance and administrative costs, contracted services completed included a pre-storm bathymetric survey; the boater restricted zone was also extended to west of green marker 23.

The current fiscal year work program includes all internal maintenance and administrative costs and contracted services for a pre-storm bathymetric survey, navigational trimming, and engineering and design for a dredge project.

For FY23, the Advisory Board recommends budgeting for the annual internal maintenance and administrative costs and contracted services for a bathymetric survey, navigational trimming, and a spot dredge project.

Alligator Creek
Dredge Project

CHARLOTTE COUNTY
FLORIDA
PUBLIC WORKS

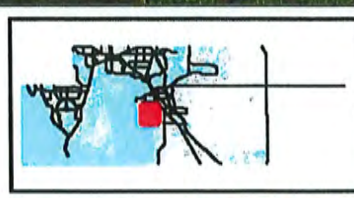
Stateplane Projection
Datum: NAD83
Units: Feet

Source: Public Works

Metadata available upon request

Legend

Alligator Creek



N W E S

0 500 1,000 2,000 Feet

Updated: 3/2/2022 6:34:46 AM by: D Jorge
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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK CHANNEL

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

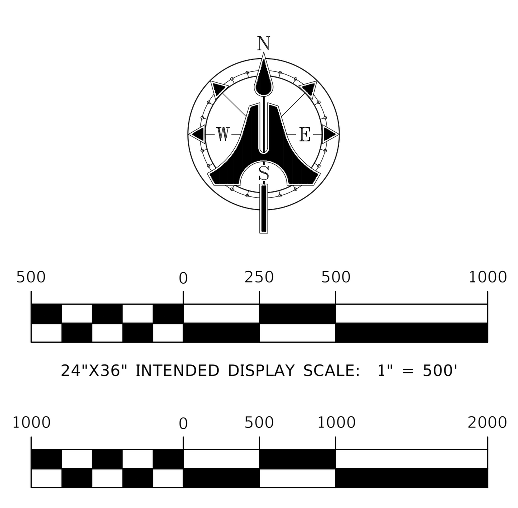
NOTES:

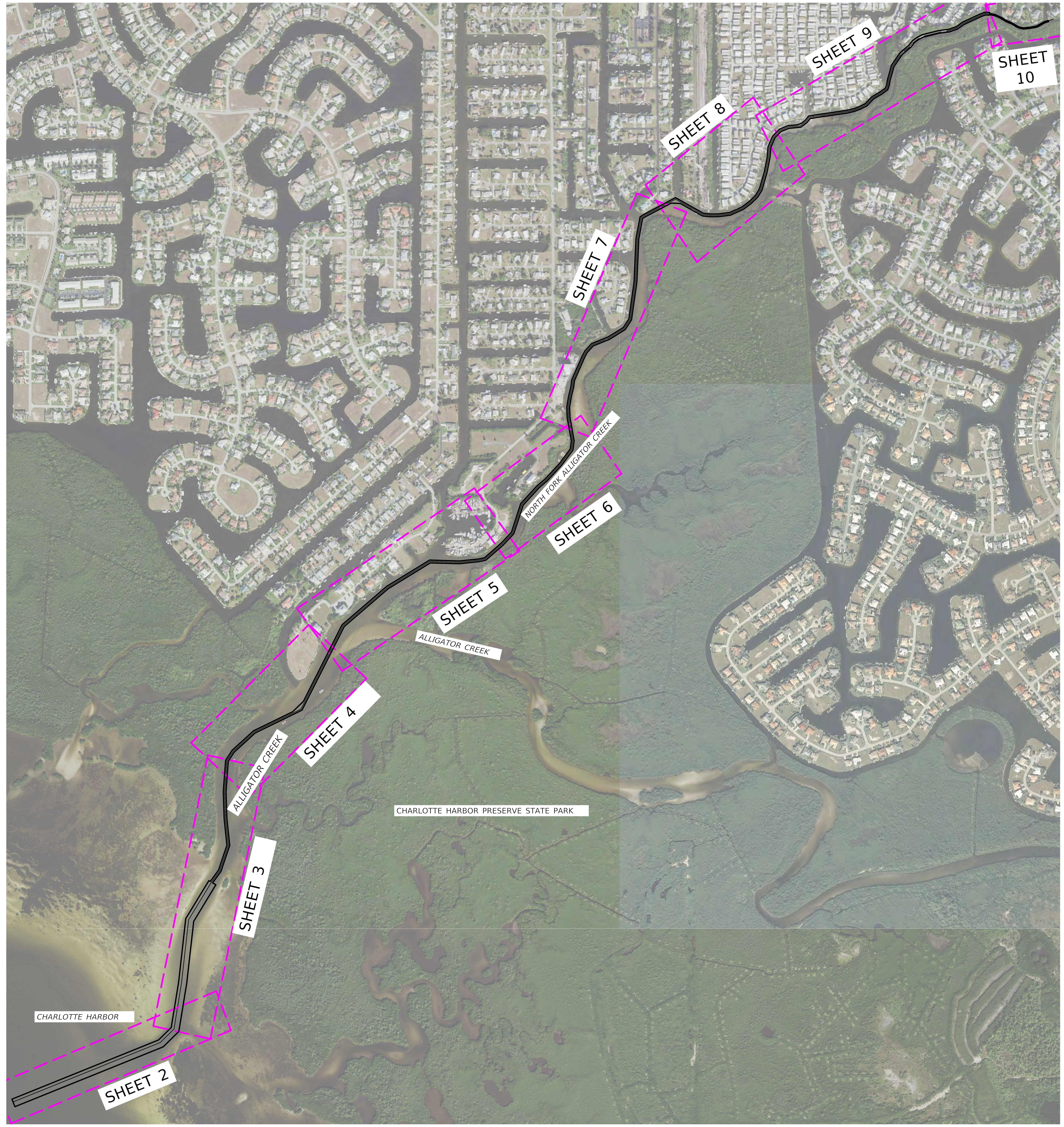
1. THE PURPOSE OF THIS HYDROGRAPHIC SURVEY IS TO: A.) DOCUMENT THE CURRENT DEPTHS OF A PORTION OF ALLIGATOR CREEK; B.) DETERMINE THE VOLUME OF MATERIAL IN THE SURVEYED CHANNEL THAT IS ABOVE THE PERMITTED DREDGE DEPTHS OF -7.2' NAVD 88 (-6.0' MLW) AND -6.2' NAVD 88 (-5.0' MLW), WITHIN THE PROJECT LIMITS. THIS SURVEY WAS PERFORMED FOR THE SOLE PURPOSE OF DREDGE ASSESSMENT. THE MAPS AND QUANTITIES REPORTED HEREIN ARE NOT INTENDED TO BE USED FOR DESIGN OR CONSTRUCTION PAYMENT ESTIMATING.
2. CHANNEL BOTTOM WIDTHS, SURVEY BASELINE ALIGNMENT, AND STATIONING ARE DEPICTED HEREON PER "ALLIGATOR CREEK BATHYMETRIC SURVEY" BY COASTAL ENGINEERING CONSULTANTS INC. SIGNED OCTOBER 27, 2020 AS PROVIDED BY CHARLOTTE COUNTY.
3. THE DREDGING TEMPLATE BOTTOM DEPTH AND SLOPES WERE PROVIDED BY CHARLOTTE COUNTY.
4. COORDINATES, CONTOURS, STATIONING, ELEVATIONS AND DISTANCES SHOWN ARE IN U.S. SURVEY FEET OR DECIMALS THEREOF.
5. COORDINATES AND BEARINGS ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE (NAD 1983).
6. ALL CONTOURS AND ELEVATIONS SHOWN HEREON ARE RELATIVE TO NAVD 88 BASED ON DIRECT TIES TO NGS TIDAL BENCH MARK "872 5744 A" (PID DM3125). THE CONVERSION BETWEEN MLW AND NAVD 88 (MLW = -1.2 NAVD 88) IS BASED ON THE TIDAL DATUM REPORT FOR TIDE STATION 872 5744 BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
7. BACKGROUND AERIAL IMAGERY FROM CHARLOTTE COUNTY WAS ACQUIRED IN 2017. AERIAL PROVIDED FOR INFORMATIONAL PURPOSES ONLY. POSITIONAL ACCURACY OF SAID IMAGERY WAS NOT FIELD VERIFIED.
8. HYDROGRAPHIC BOTTOM ELEVATIONS WERE COLLECTED USING A HYDROLITE-TM ACOUSTIC ECHO SOUNDER WITH A 200 KILOHERTZ, SINGLE FREQUENCY TRANSDUCER. THE HORIZONTAL POSITION AND NAVD 88 ELEVATIONS OF BOTTOM DEPTHS WERE OBTAINED BY REAL-TIME KINEMATIC (RTK) GPS OBSERVATIONS SYNCHRONIZED TO THE TRANSDUCER BY A DATA COLLECTOR OPERATION BOTH SYSTEMS.
9. THE EXPECTED HORIZONTAL ACCURACY OF SONAR DERIVED BOTTOM ELEVATIONS IS +/- 1'. THIS INCLUDES ERRORS ASSOCIATED WITH WAVE ACTION AND THE SUBSEQUENT ROLLING, PITCHING AND HEAVING OF THE SURVEY VESSEL; AS WELL AS LAG TIME BETWEEN THE GPS POSITION MEASUREMENT AND THE ACOUSTIC SOUNDING SIGNAL FROM THE CANAL BOTTOM.
10. THE EXPECTED VERTICAL ACCURACY OF SONAR DERIVED BOTTOM ELEVATIONS IS 0.4' +/-. THIS WAS TESTED BY COMPARING OVERLAPPING HYDROGRAPHIC DATA COLLECTED ON DIFFERENT DAYS / SURVEY LINES, AS WELL AS DIRECT RTK GPS OBSERVATIONS OF THE CANAL BOTTOM. THE EXPECTED ACCURACY SHOULD BE TAKEN INTO ACCOUNT WHEN EVALUATING VOLUMES REPORTED HEREON.
11. CHANNEL MARKERS WERE NOT LOCATED.
12. FIELD WORK PERFORMED ON JUNE 25TH THROUGH AUGUST 16TH, 2022 AS RECORDED IN FIELD BOOK 1675, PAGES 5-8, 18 & 31.
13. VOLUMES WERE CALCULATED USING THE BY SURFACE TO SURFACE COMPARISON BETWEEN THE DREDGE TEMPLATE AND DIGITAL TERRAIN MODEL CREATED FROM CENTERLINE AND CROSS SECTION BOTTOM ELEVATION DATA COLLECTED IN THE METHODS DESCRIBED ABOVE. THE VOLUME REPORTED HEREIN WAS CALCULATED IN AUTOCAD CIVIL 3D, UTILIZING THE COMPOSITE METHOD.

SHEET INDEX:

LEGEND:

B.O.S.	= BEGINNING OF SURVEY
C.Y.	= CUBIC YARDS
E	= EASTING COORDINATE
E.O.S.	= END OF SURVEY
GPS	= GLOBAL POSITIONING SYSTEM
INC.	= INCORPORATED
LB	= LICENSED BUSINESS
MLW	= MEAN LOW WATER
N	= NORTHING COORDINATE
NAD 1983	= NORTH AMERICAN DATUM OF 1983
NAVD 88	= NORTH AMERICAN VERTICAL DATUM OF 1988
NGS	= NATIONAL GEODETIC SURVEY
NO. / #	= NUMBER
P.I.	= POINT OF INTERSECTION
P.S.M.	= PROFESSIONAL SURVEYOR & MAPPER
RTK	= REAL-TIME KINEMATIC
STA	= SURVEY BASELINE STATION
+/-	= MORE OR LESS
TYP	= TYPICAL





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FIELD BOOK: 1675 PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

DARREN TOWNSEND
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6476
NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

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TOLL FREE 800-226-4569
PHONE 239-332-4569
CERTIFICATE OF AUTHORIZATION No. 3114

DRAWN:	DATE:	CHECKED:	DATE:
DB	07/20/2021	DT	07/27/2021

CLIENT: CHARLOTTE COUNTY

HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO.:	FILE NAME:		
21-1329	21-1329 ALLIGATOR		
COUNTY:	SECTION:	TOWNSHIP:	RANGE:
CHARLOTTE	19,20,25,30	41 S	23 E

SHEET 1 OF 22

HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

40 0 20 40 80

24"X36" INTENDED DISPLAY SCALE: 1" = 40'

80 0 40 80 160

11"X17" INTENDED DISPLAY SCALE: 1" = 80'

NAVD 88 ELEVATIONS

ELEVATION	Color
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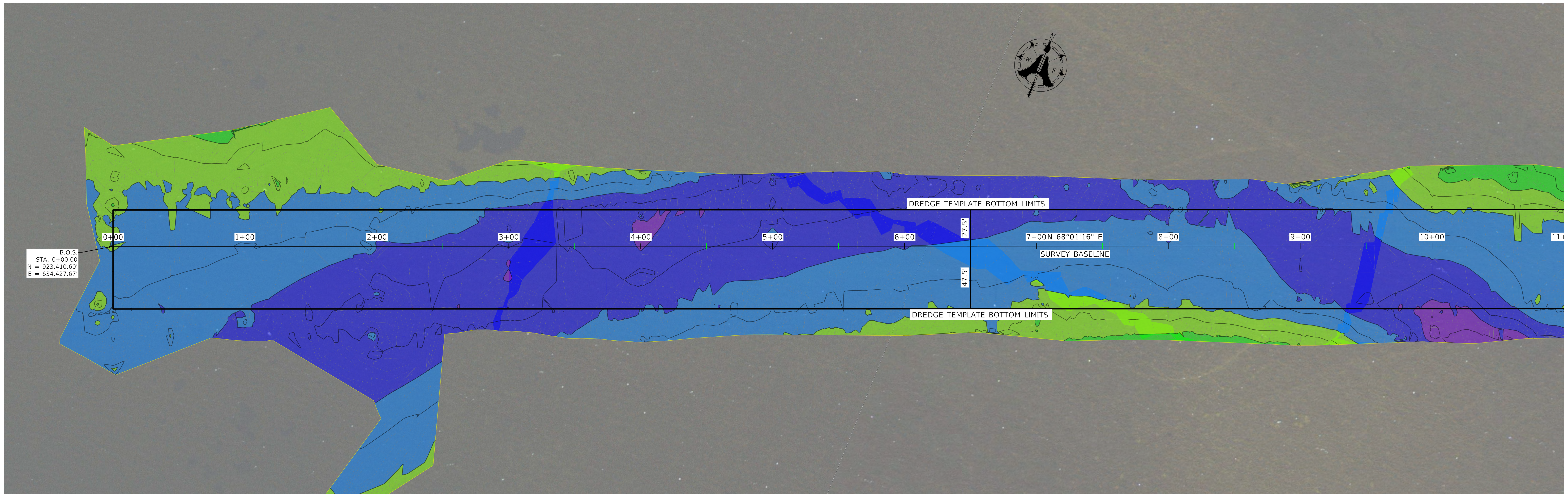
-6.0 - -5.0	
-5.0 - -4.0	
-4.0 - -3.0	
-3.0 - -2.0	



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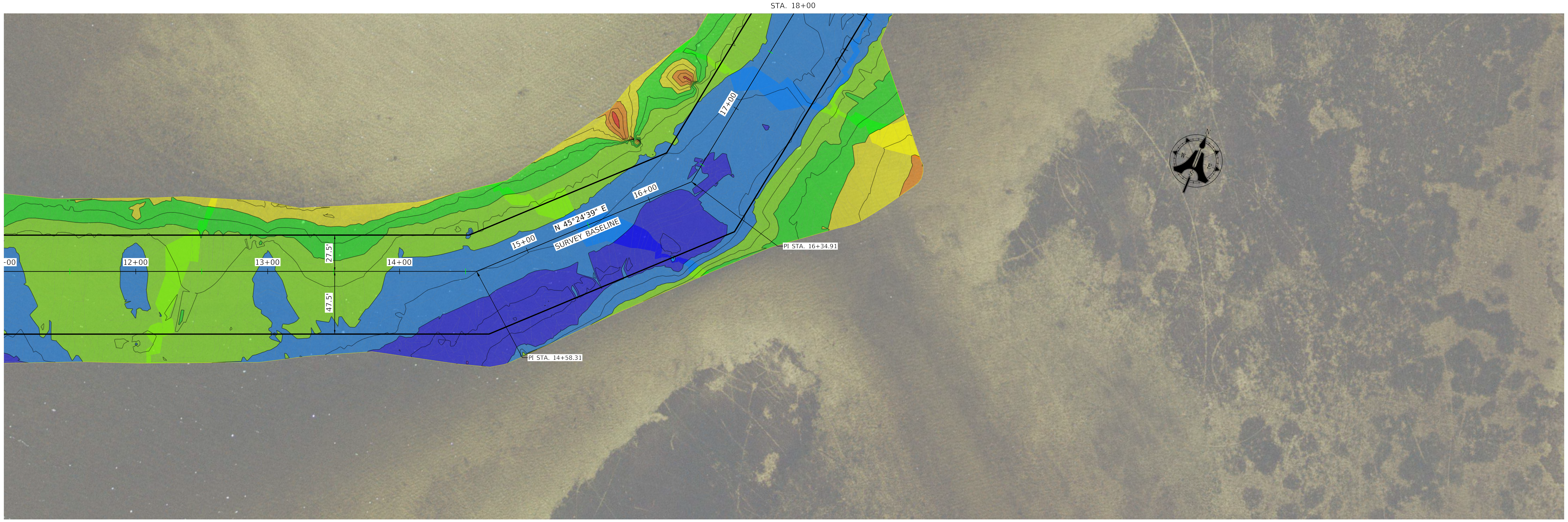

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ALLIGATOR CREEK

PROJECT NO.: 21-1329 FILE NAME: 21-1329 ALLIGATOR

COUNTY: CHARLOTTE SECTION: 19,20,25,30 TOWNSHIP: 41 S RANGE: 23 E

SHEET 2 OF 22

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

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CHARLOTTE COUNTY, FLORIDA

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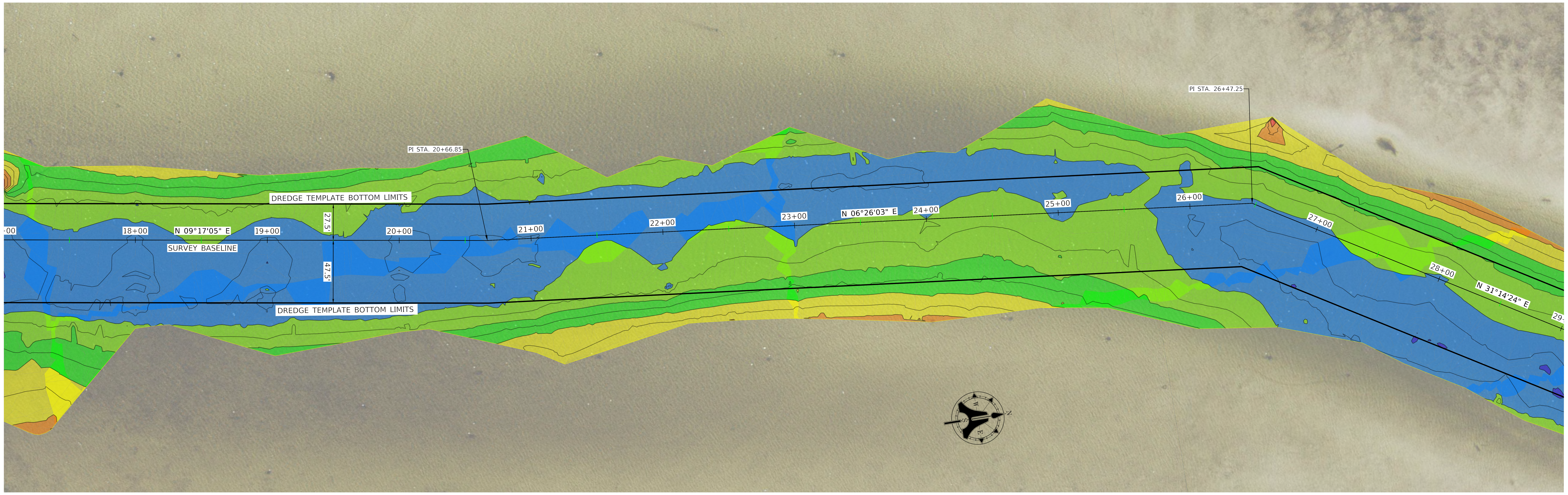

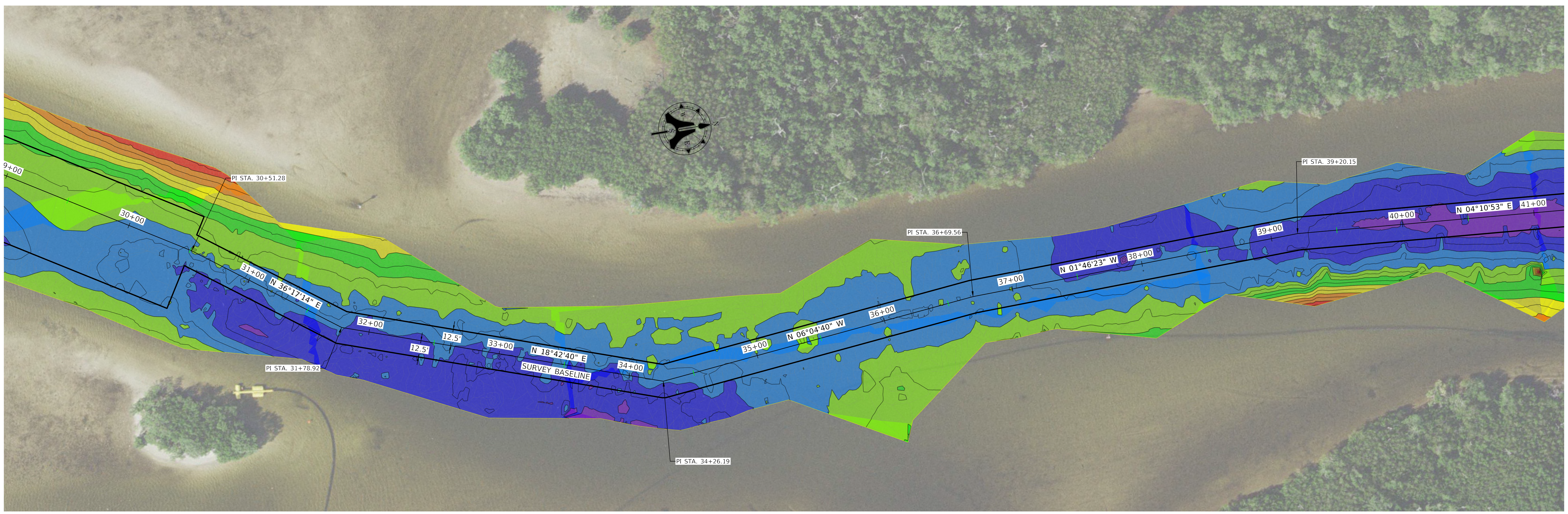

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PROJECT NO.: 21-1329 | FILE NAME: 21-1329 ALLIGATOR

COUNTY: CHARLOTTE | SECTION: 19,20,25,30 | TOWNSHIP: 41 S | RANGE: 23 E

SHEET 3 OF 22

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ALLIGATOR CREEK

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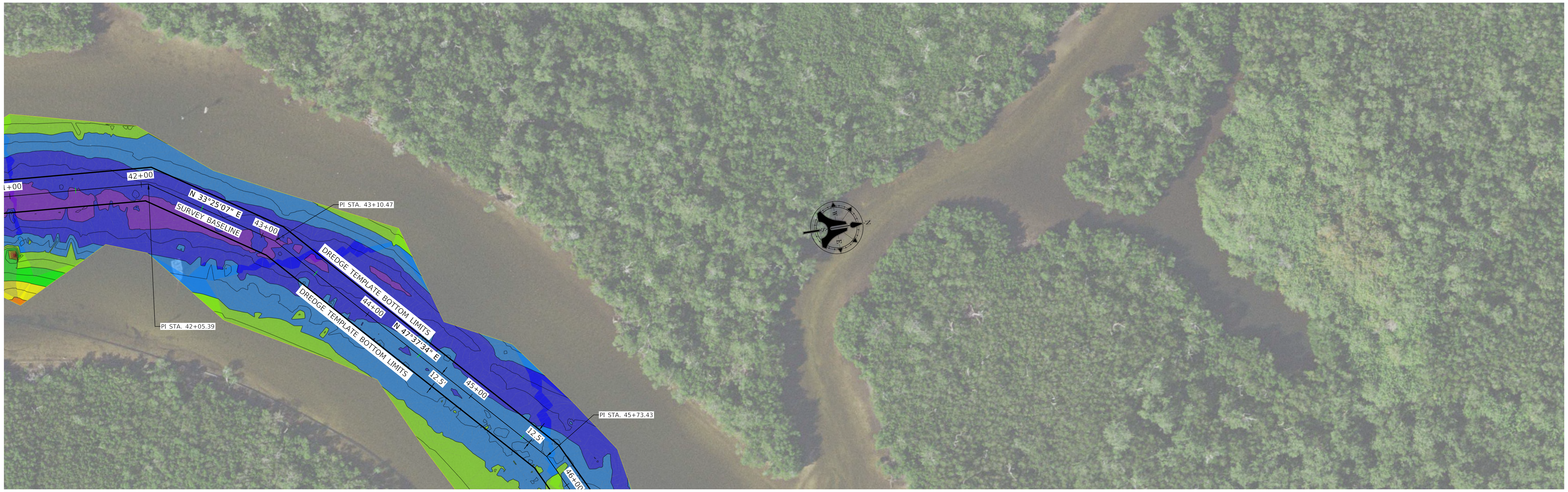

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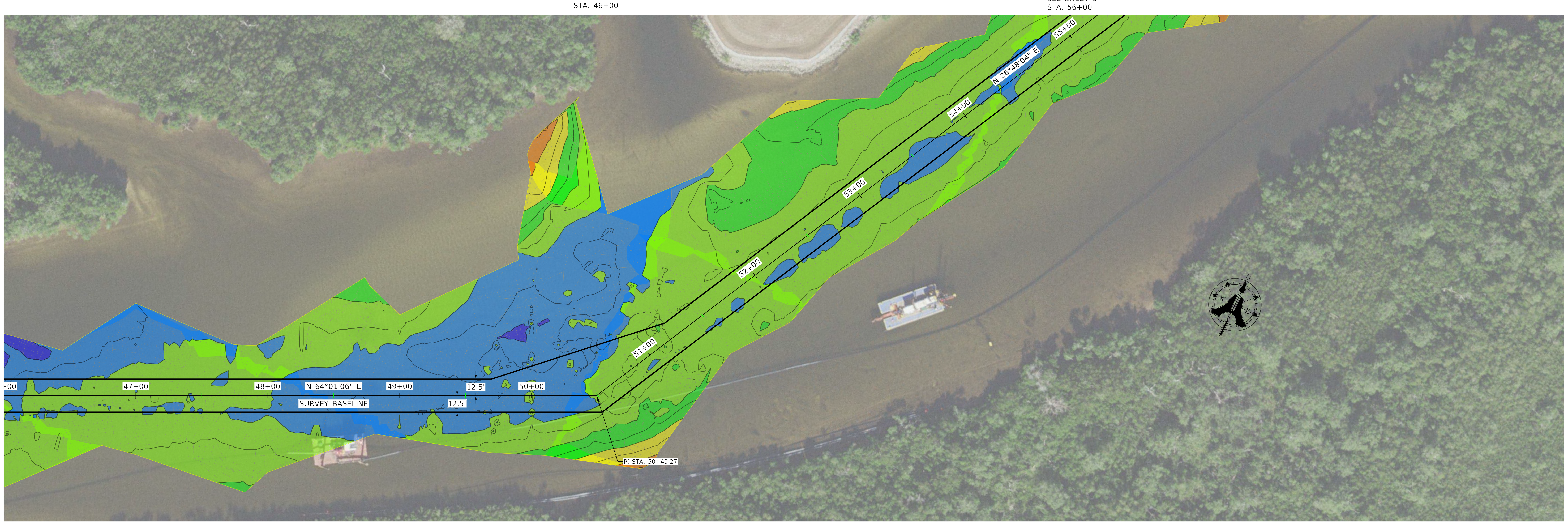

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CHARLOTTE	19,20,25,30	41 S	23 E

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CHARLOTTE COUNTY, FLORIDA

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-5.0 - -4.0	
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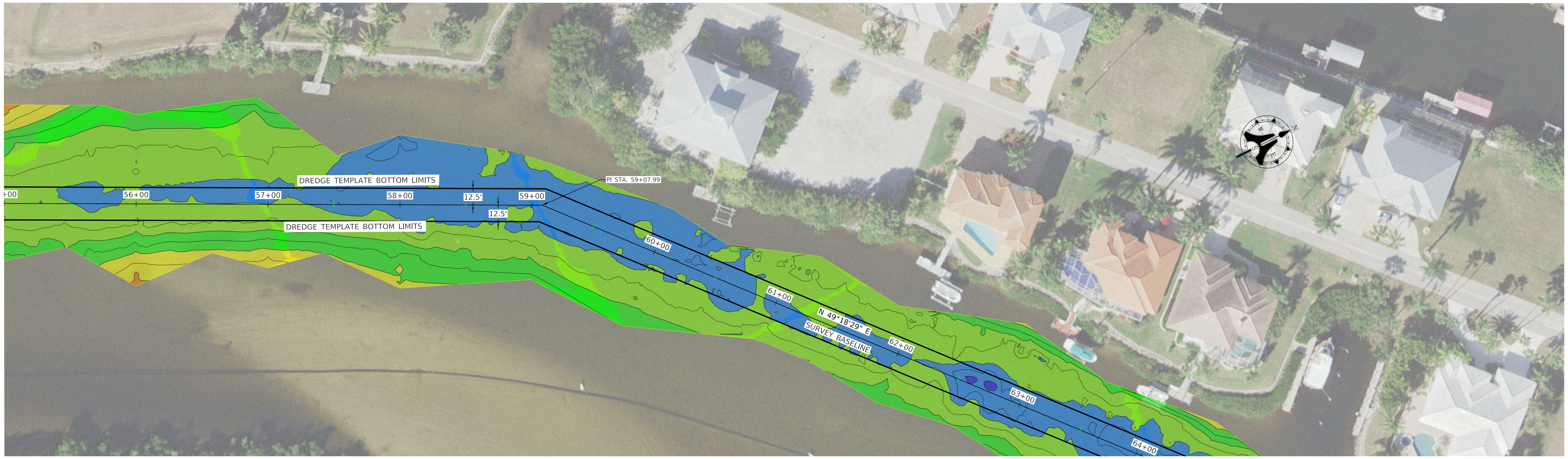

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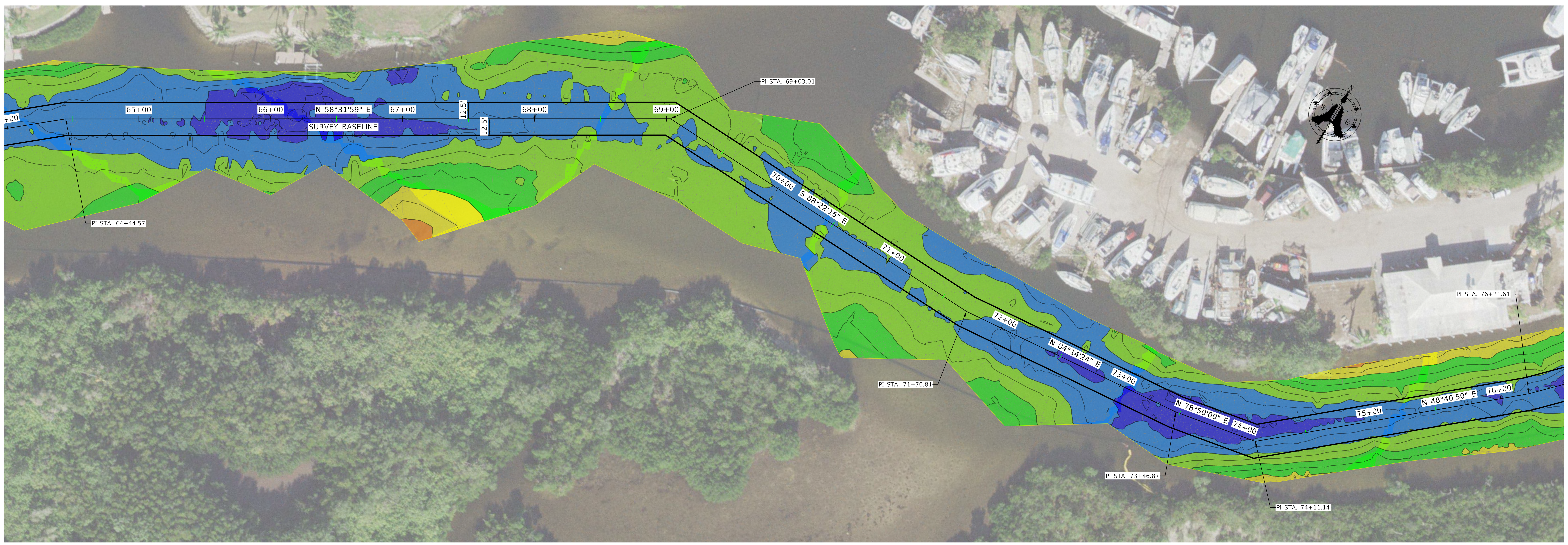

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CHARLOTTE COUNTY	DB	07/20/2021	DT	07/27/2021

HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

PROJECT NO:	FILE NAME:	COUNTY:	SECTION:	TOWNSHIP:	RANGE:
21-1329	21-1329 ALLIGATOR	CHARLOTTE	19,20,25,30	41 S	23 E

SHEET 5 of 22

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

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CHARLOTTE COUNTY, FLORIDA

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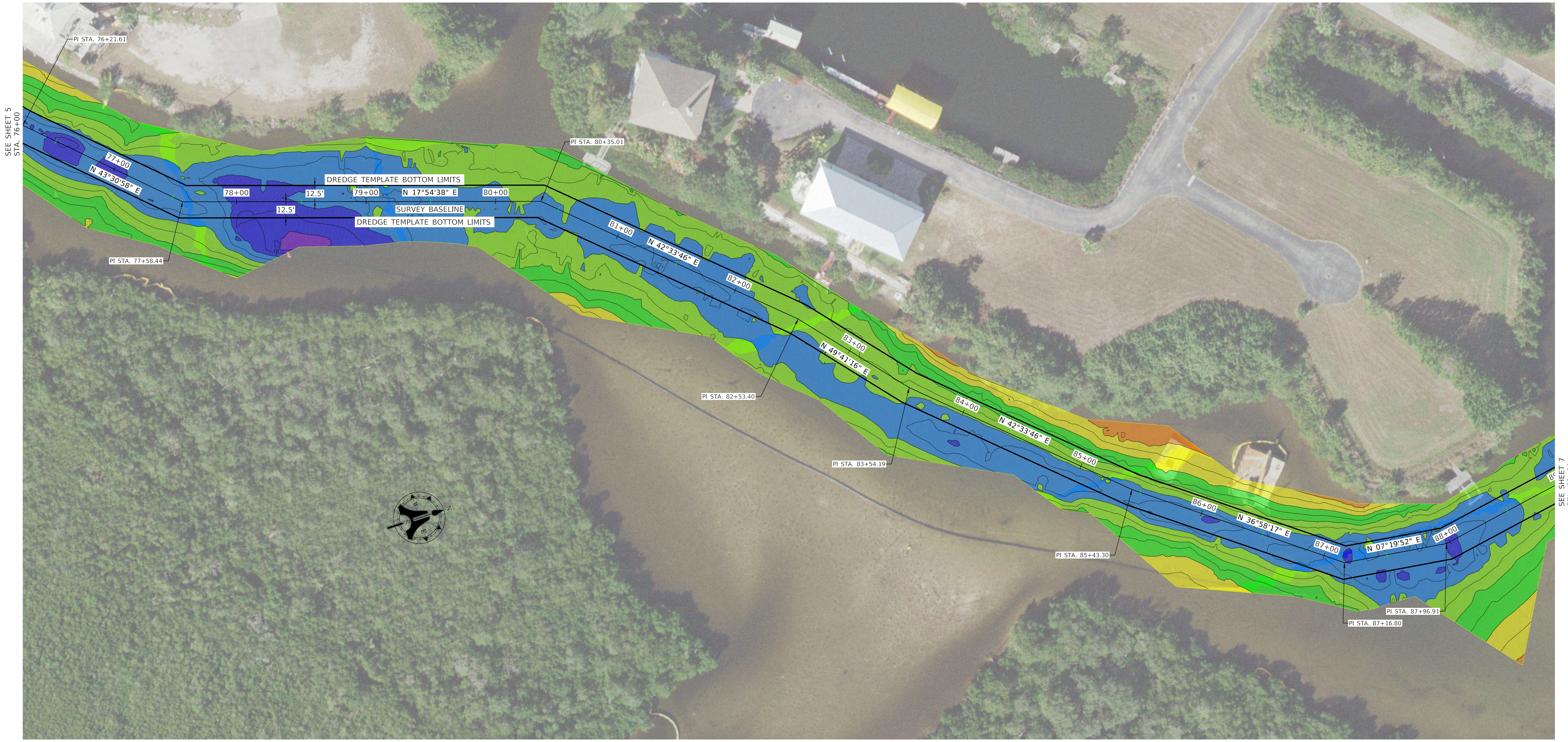

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PROJECT NO: 21-1329 | FILE NAME: 21-1329 ALLIGATOR

COUNTY: CHARLOTTE | SECTION: 19,20,25,30 | TOWNSHIP: 41 S | RANGE: 23 E

SHEET 6 of 22

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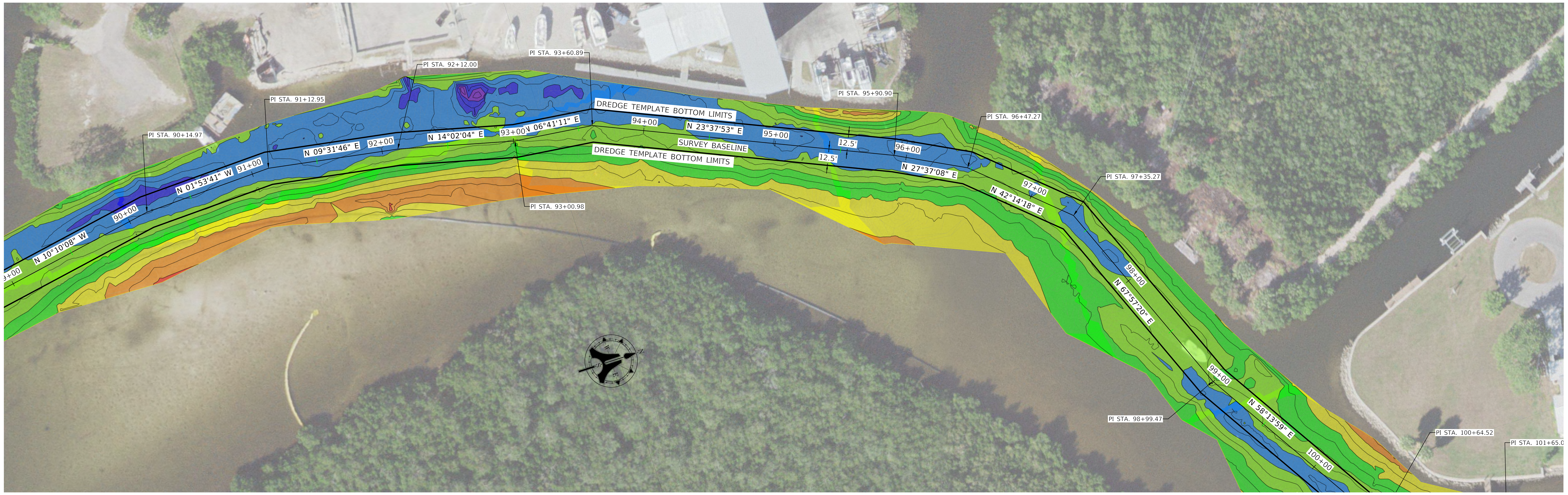

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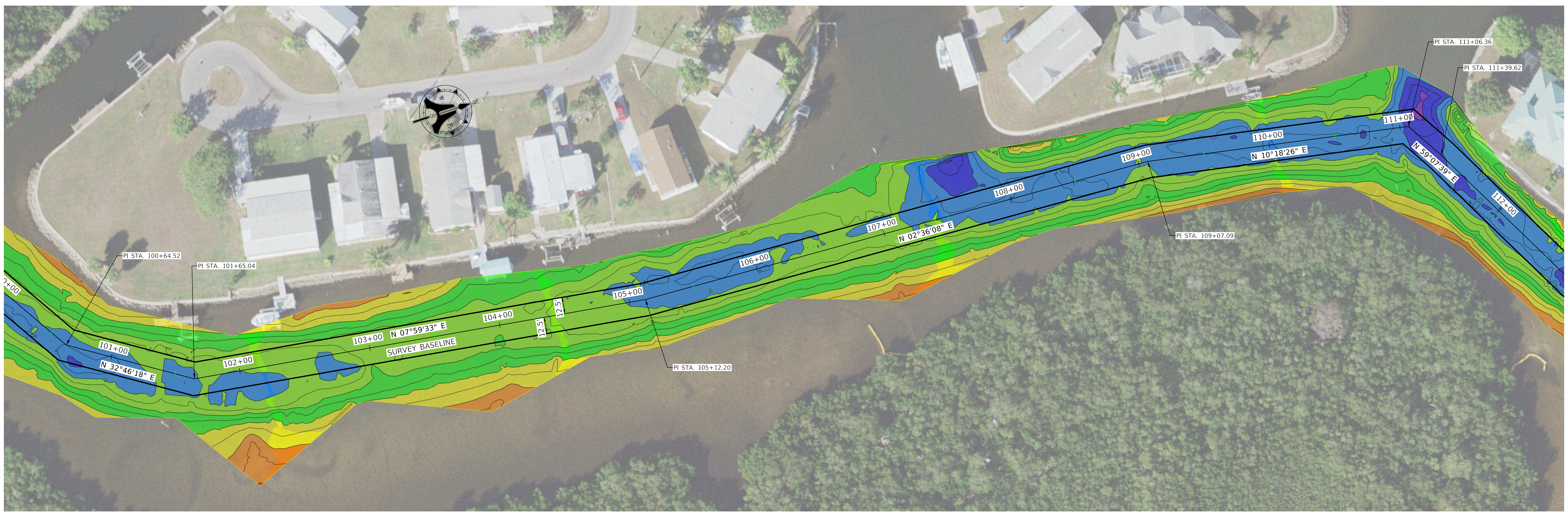

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ALLIGATOR CREEK

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COUNTY:	SECTION:	TOWNSHIP:	RANGE:
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SHEET 7 of 22

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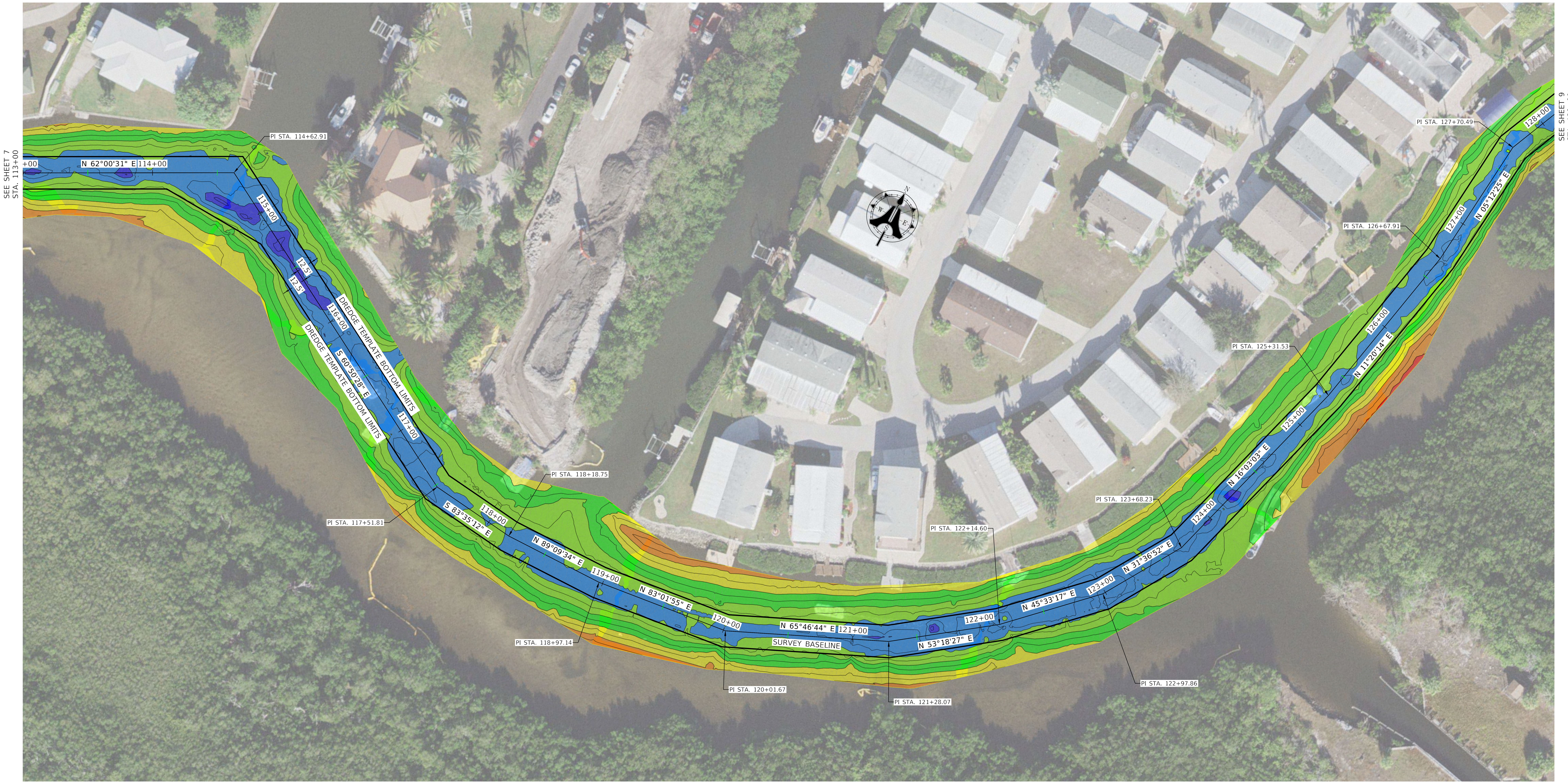

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CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT
2161 FOWLER STREET, SUITE 100
FORT MYERS, FLORIDA 33901
www.aimengr.com
TOLL FREE 800-226-4569
PHONE 239-332-4569
CERTIFICATE OF AUTHORIZATION No. 3114

DRAWN:	DATE:	CHECKED:	DATE:
DB	07/20/2021	DT	07/27/2021

CLIENT: CHARLOTTE COUNTY

HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO:	FILE NAME:
21-1329	21-1329 ALLIGATOR

COUNTY:	SECTION:	TOWNSHIP:	RANGE:
CHARLOTTE	19,20,25,30	41 S	23 E

SHEET 8 of 22

J:\Active\21-1329 Charlotte Prestorm Bathy\Working\2107_DB_Mapping\21-1329_Alligator.dwg 8/24/2021 1:34:47 PM

HYDROGRAPHIC SURVEY
ALLIGATOR CREEK
SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST
CHARLOTTE COUNTY, FLORIDA

40 0 20 40 80

24"X36" INTENDED DISPLAY SCALE: 1" = 40'

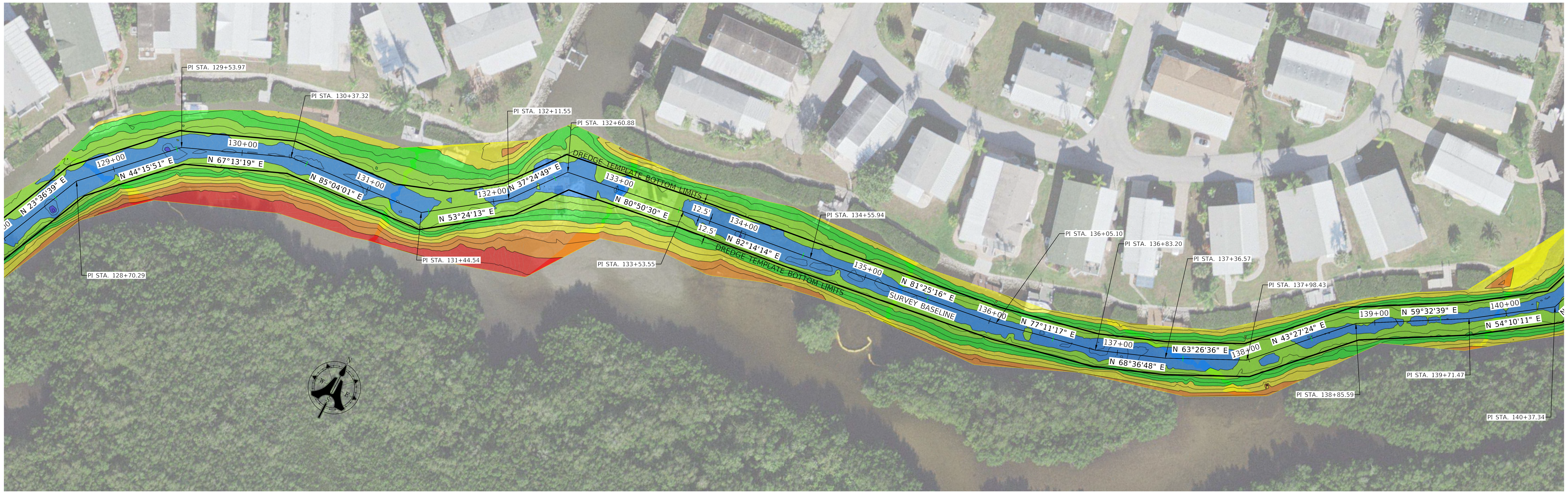
80 0 40 80 160

11"X17" INTENDED DISPLAY SCALE: 1" = 80'

NAVD 88 ELEVATIONS

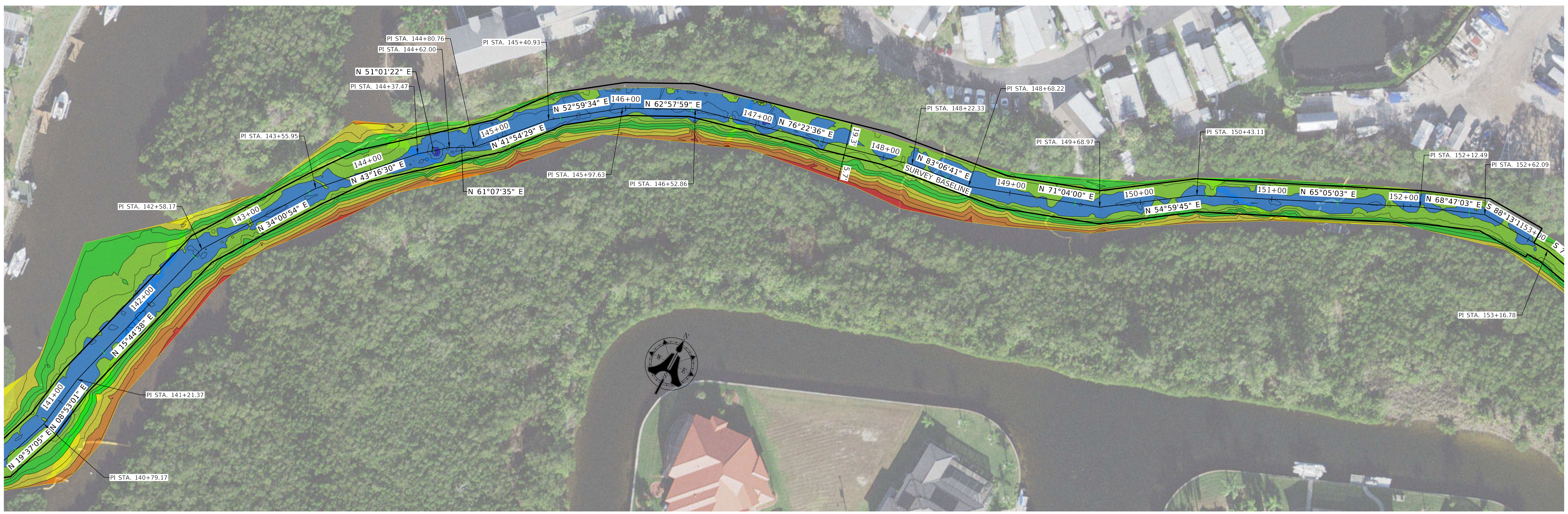
ELEVATION	Color
-10.0 - -9.0	
-9.0 - -8.0	
-8.0 - -7.0	
-7.0 - -6.0	
-6.0 - -5.0	
-5.0 - -4.0	
-4.0 - -3.0	
-3.0 - -2.0	

SEE SHEET 8
STA. 128+00



SEE BELOW
STA. 141+00

SEE ABOVE
STA. 140+00



SEE SHEET 10
STA. 153+00

No.:	DATE:	BY:	REVISIONS:
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FIELD BOOK: 1675 PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

DARREN TOWNSEND
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6476
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CLIENT: CHARLOTTE COUNTY

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DB	07/20/2021	DT	07/27/2021

HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO.:	FILE NAME:
21-1329	21-1329 ALLIGATOR

COUNTY:	SECTION:	TOWNSHIP:	RANGE:
CHARLOTTE	19,20,25,30	41 S	23 E

SHEET 9 OF 22

J:\Active\21-1329 Charlotte Prestorm Bathy\Working\2107_DB_Mapping\21-1329_Alligator.dwg 8/24/2021 3:36:28 PM

HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

40 0 20 40 80

24"X36" INTENDED DISPLAY SCALE: 1" = 40'

80 0 40 80 160

11"X17" INTENDED DISPLAY SCALE: 1" = 80'

NAVD 88 ELEVATIONS

ELEVATION	Color
-10.0 - -9.0	
-9.0 - -8.0	
-8.0 - -7.0	
-7.0 - -6.0	
-6.0 - -5.0	
-5.0 - -4.0	
-4.0 - -3.0	
-3.0 - -2.0	

NO.	DATE:	BY:	REVISIONS:
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FIELD BOOK: 1675 PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

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HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO:	FILE NAME:	COUNTY:	SECTION:	TOWNSHIP:	RANGE:
21-1329	21-1329 ALLIGATOR	CHARLOTTE	19,20,25,30	41 S	23 E

SHEET 10 of 22

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

SECTION SHEET LEGEND:

℄ = BASELINE

- - - - = EXISTING BOTTOM SURFACE

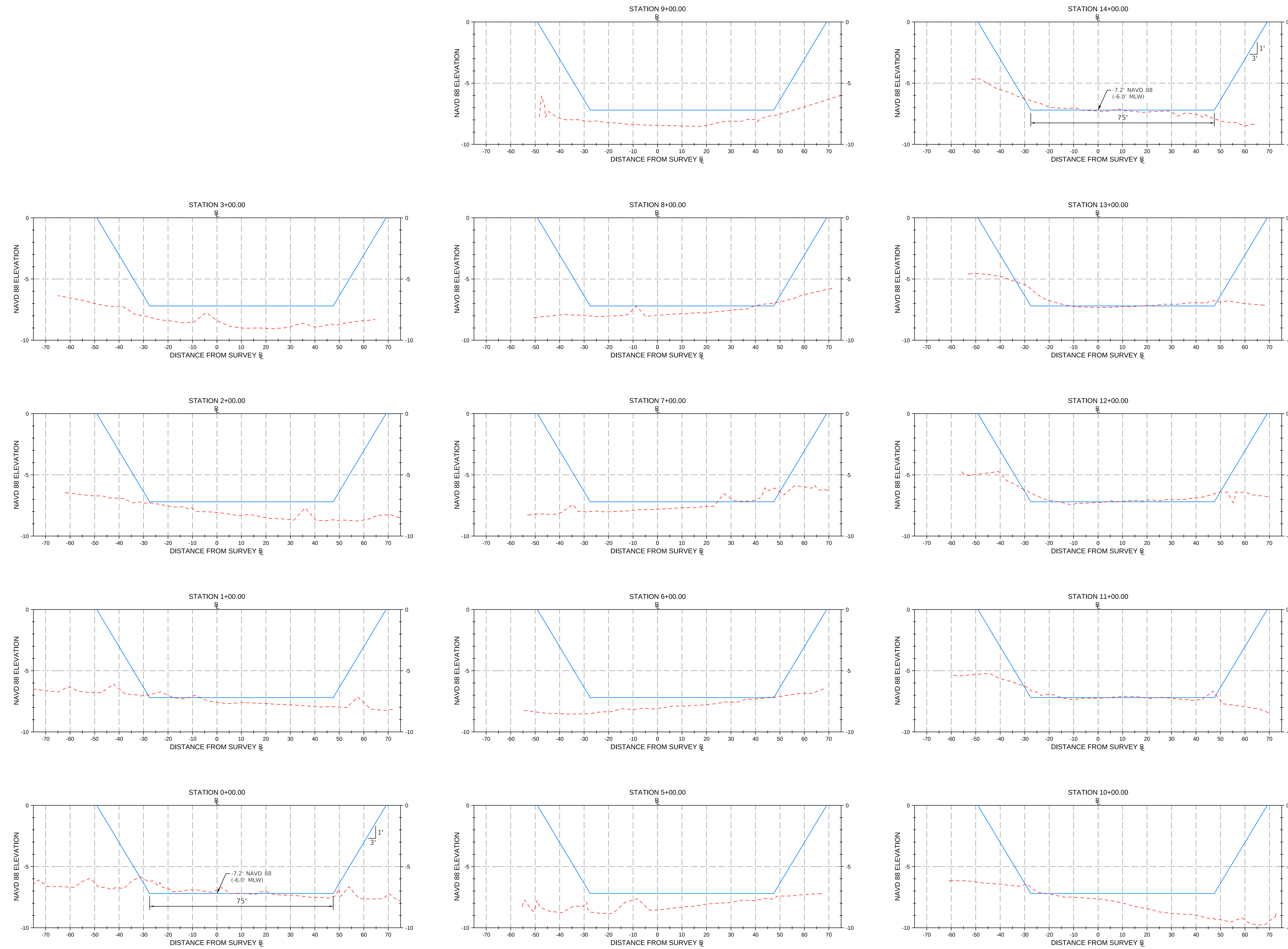
——— = DREDGE TEMPLATE

MLW = MEAN LOW WATER

NAVD 88 = NORTH AMERICAN DATUM OF 1988

24"X36" FORMAT SCALE:
HORIZONTAL 1" = 20'
VERTICAL SCALE 1" = 4'

11"X17" FORMAT SCALE:
HORIZONTAL 1" = 40'
VERTICAL SCALE 1" = 8'



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FIELD BOOK: 1675 PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

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HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO.:	FILE NAME:
21-1329	21-1329 ALLIGATOR

COUNTY:	SECTION:	TOWNSHIP:	RANGE:
CHARLOTTE	19,20,25,30	41 S	23 E

SHEET 11 OF 22

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

SECTION SHEET LEGEND:

℄	= BASELINE
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———	= DREDGE TEMPLATE
MLW	= MEAN LOW WATER
NAVD 88	= NORTH AMERICAN DATUM OF 1988

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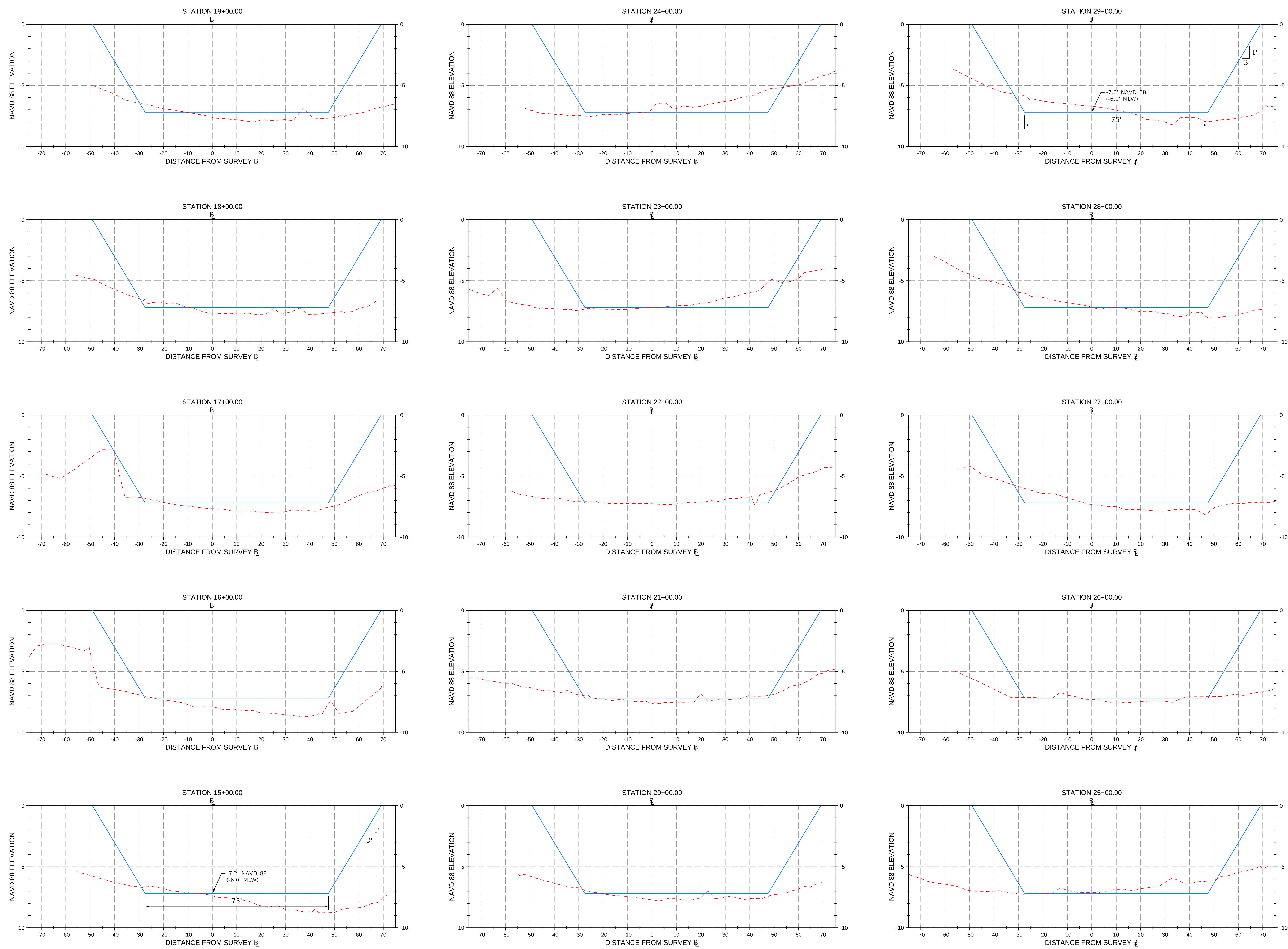
VERTICAL SCALE 1" = 4'

11"X17" FORMAT SCALE:
HORIZONTAL 1" = 40'
VERTICAL SCALE 1" = 8'



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HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO.:	FILE NAME:
21-1329	21-1329 ALLIGATOR

COUNTY:	SECTION:	TOWNSHIP:	RANGE:
CHARLOTTE	19,20,25,30	41 S	23 E

SHEET 12 OF 22

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

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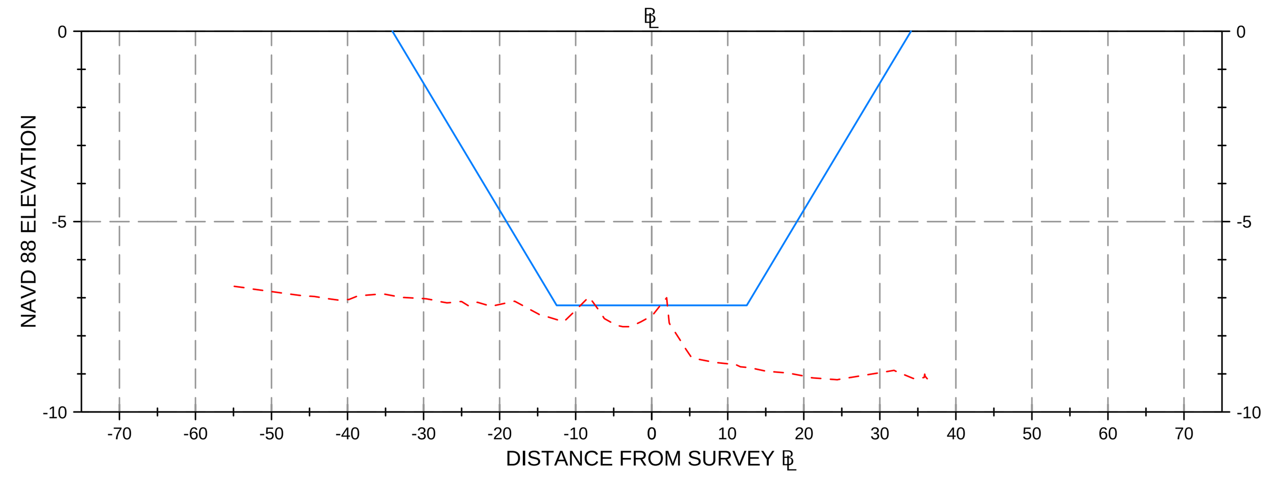
VERTICAL SCALE 1" = 4'

11"X17" FORMAT SCALE:
HORIZONTAL 1" = 40'
VERTICAL SCALE 1" = 8'

STATION 34+00.00



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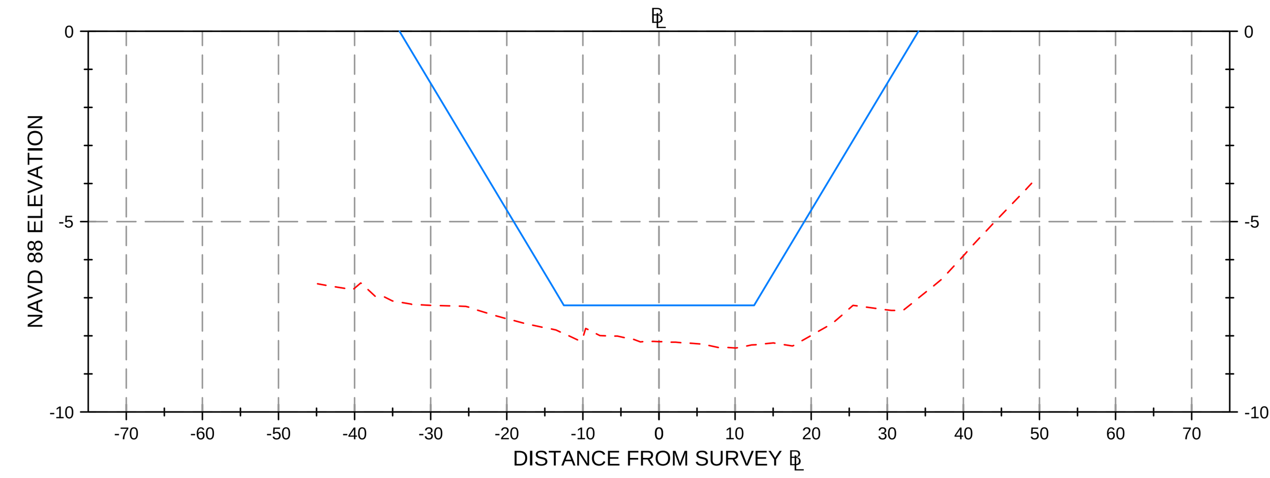

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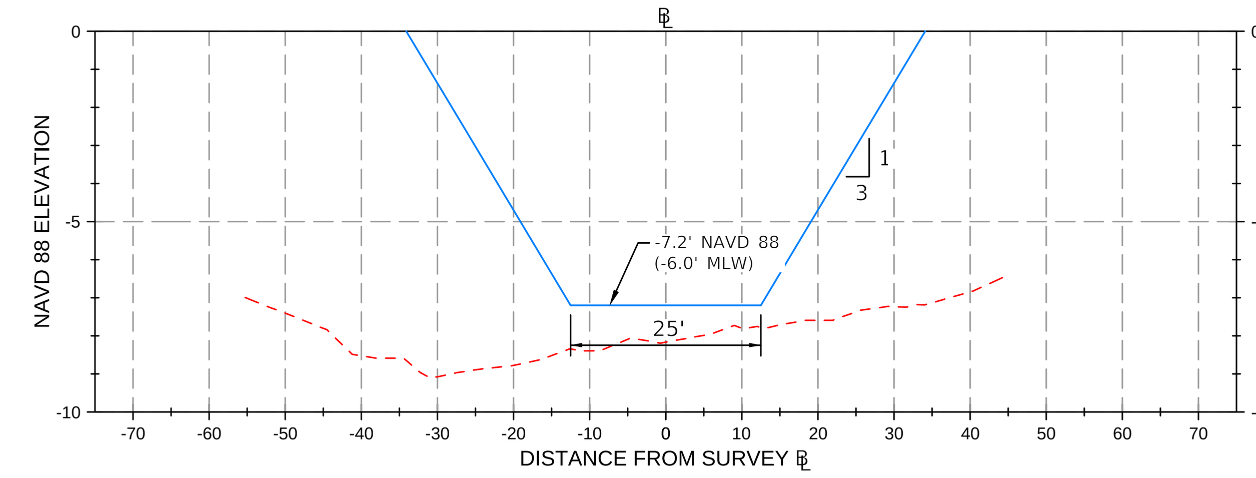

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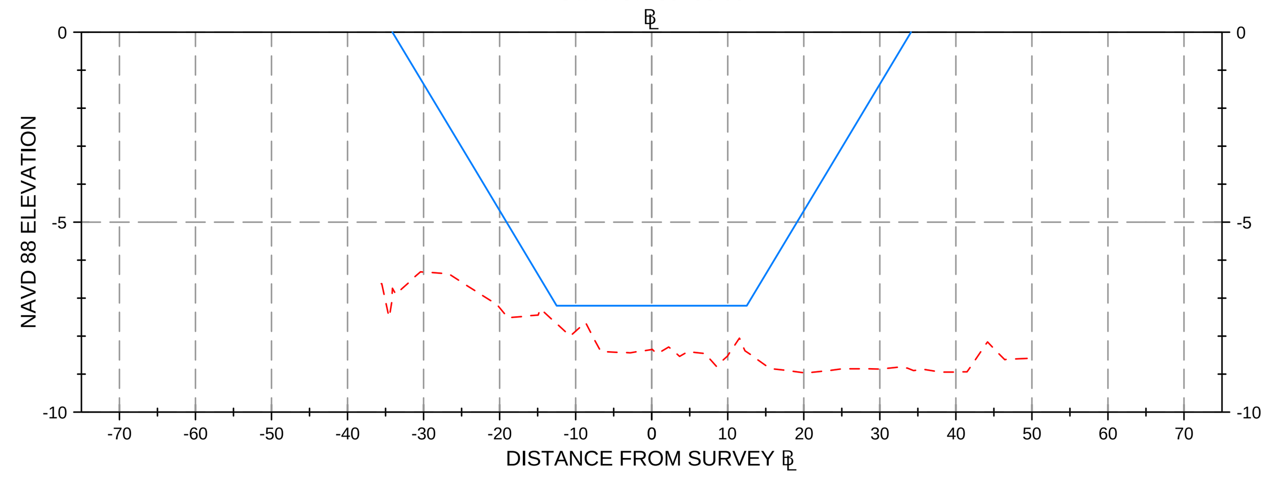

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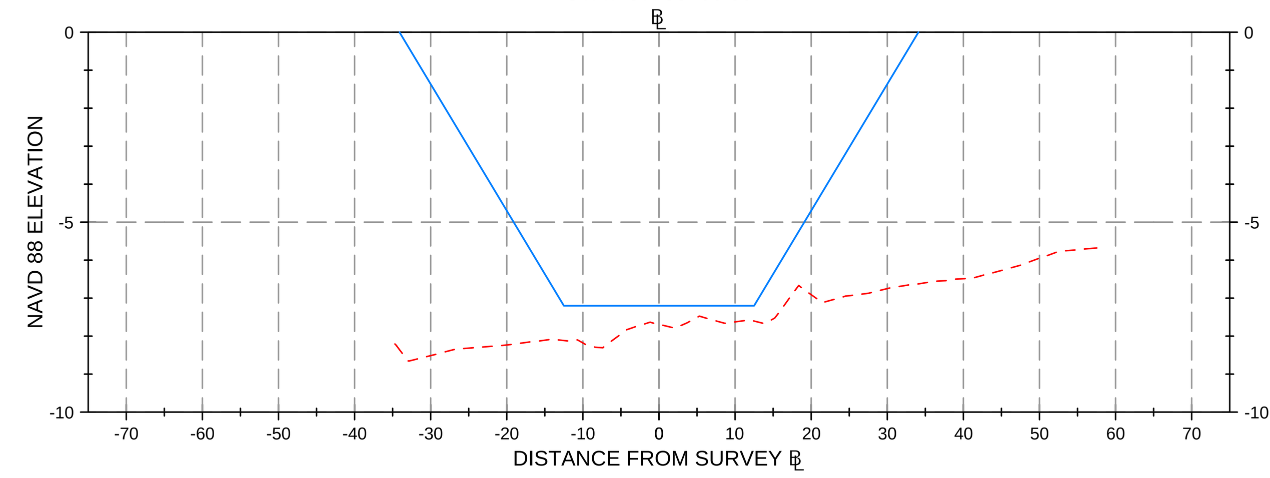

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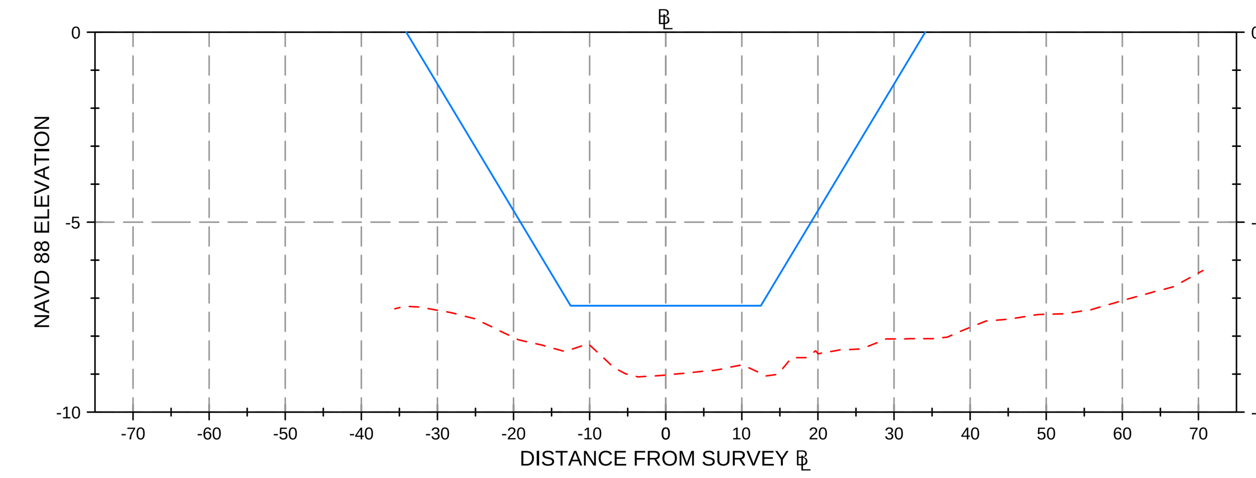

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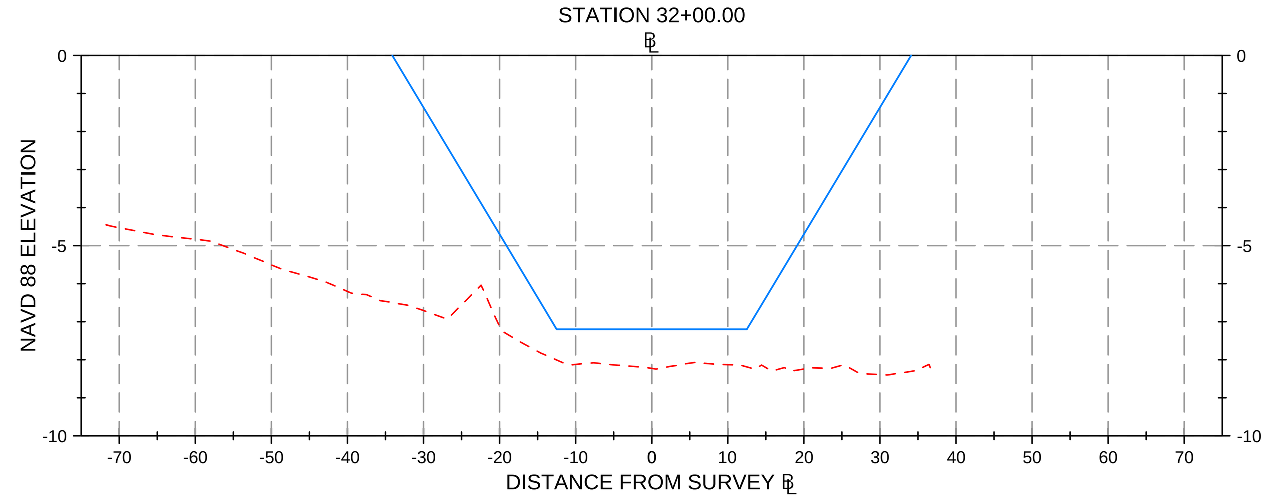

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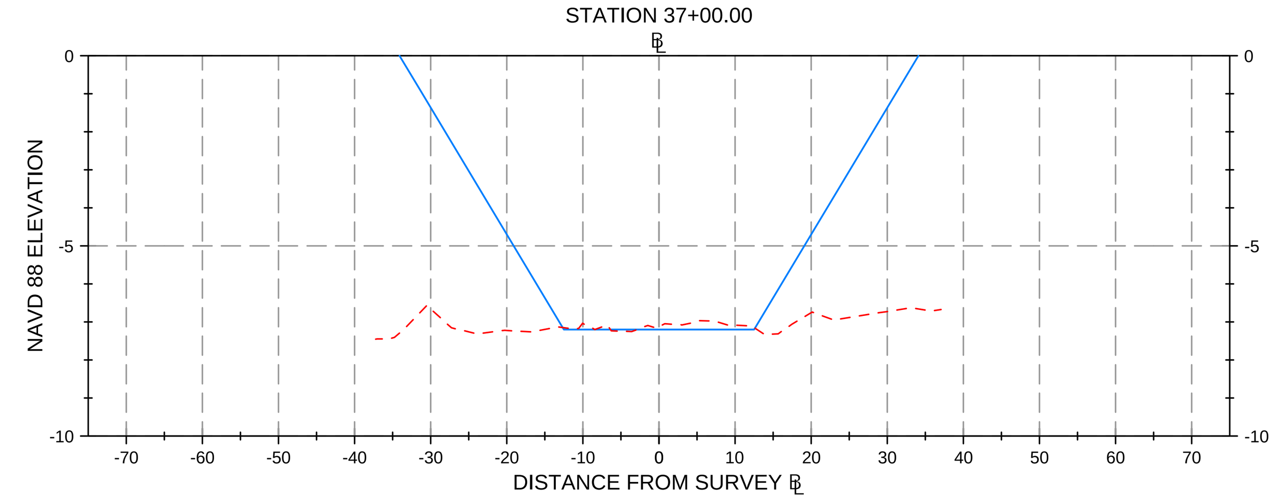

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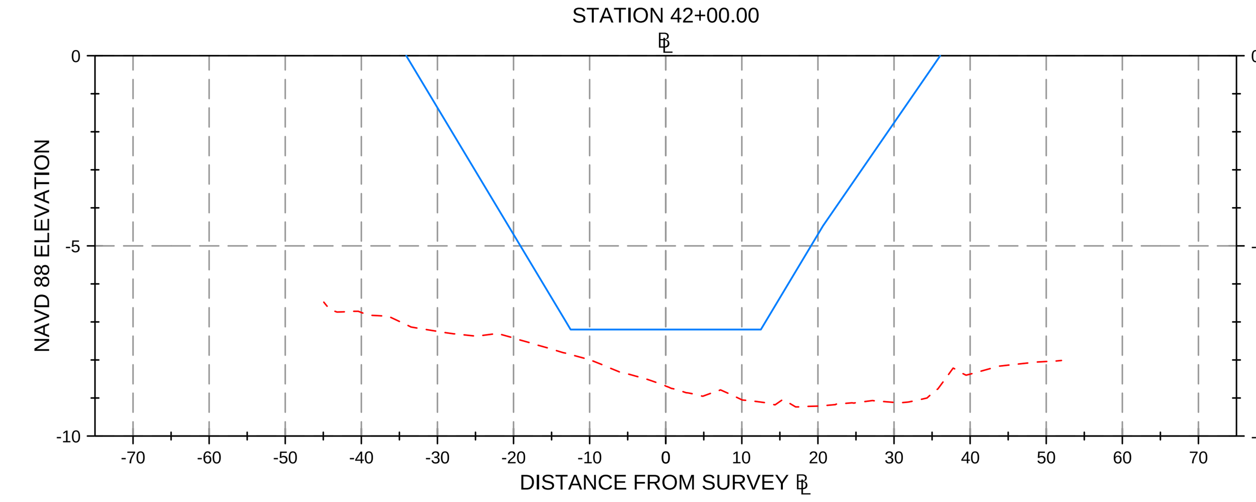
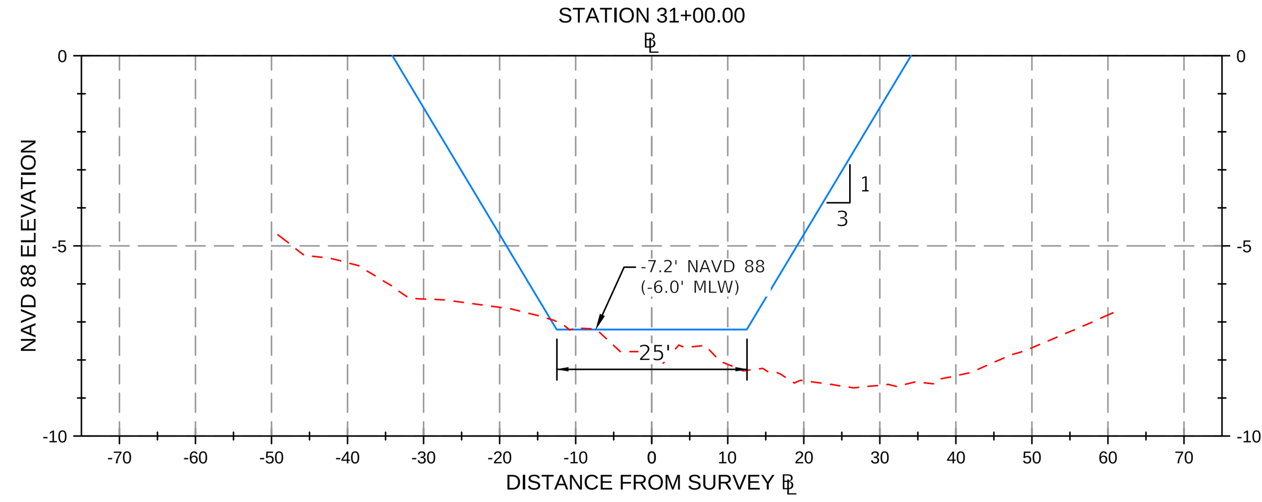


STATION 31+00.00



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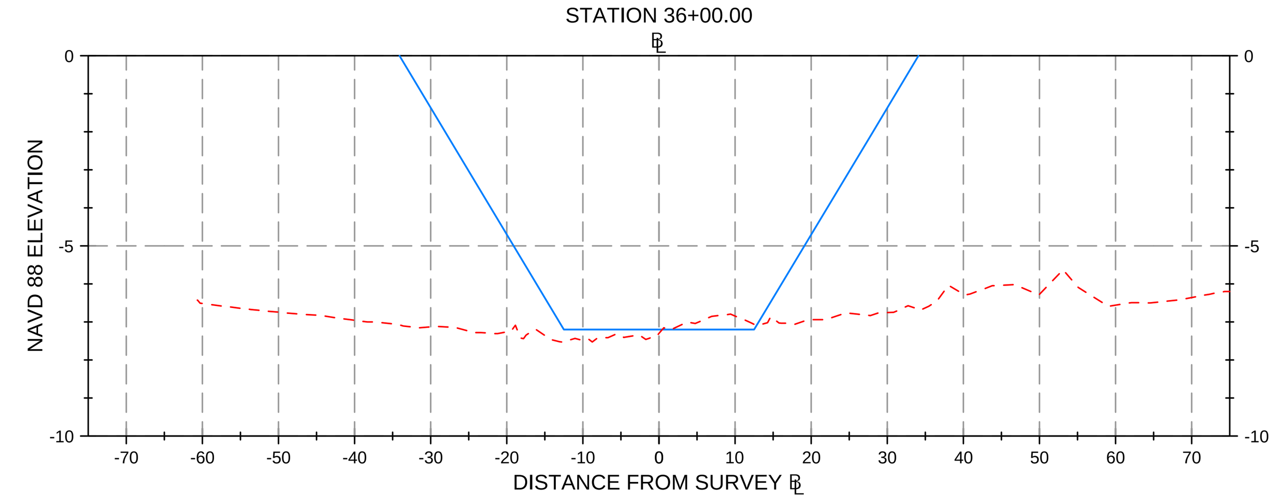

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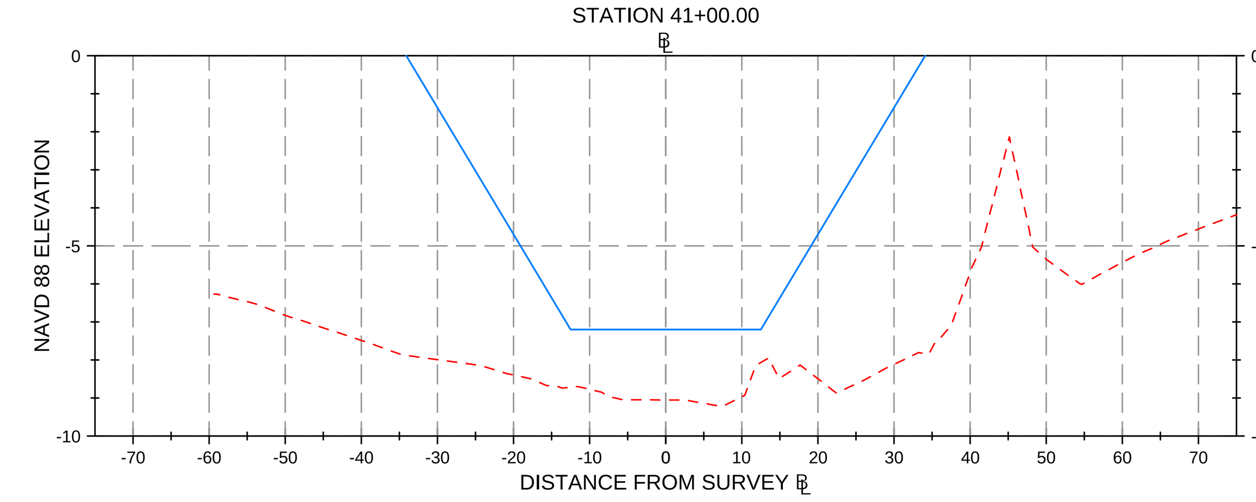

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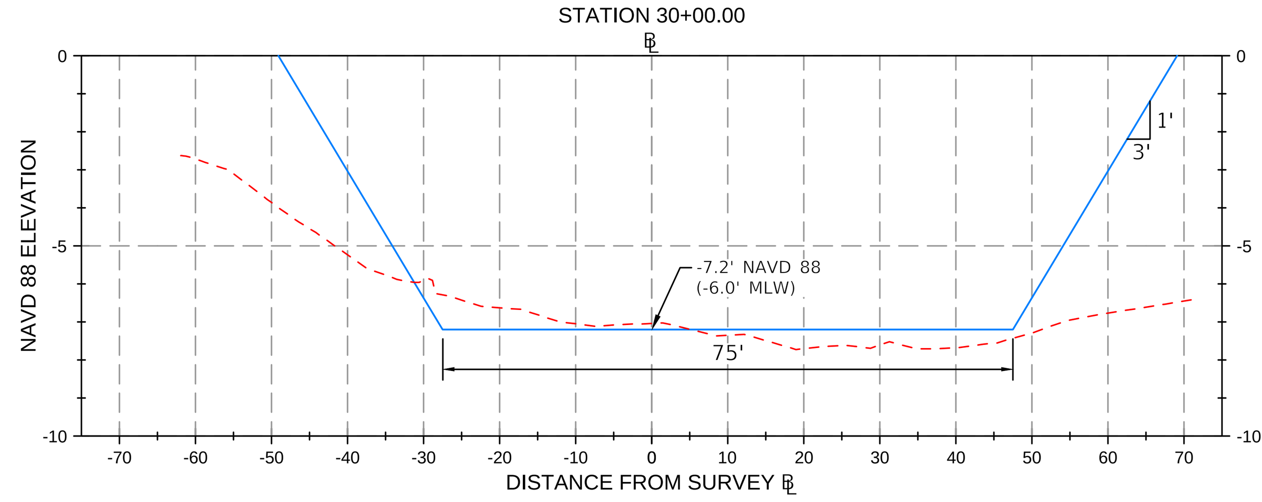

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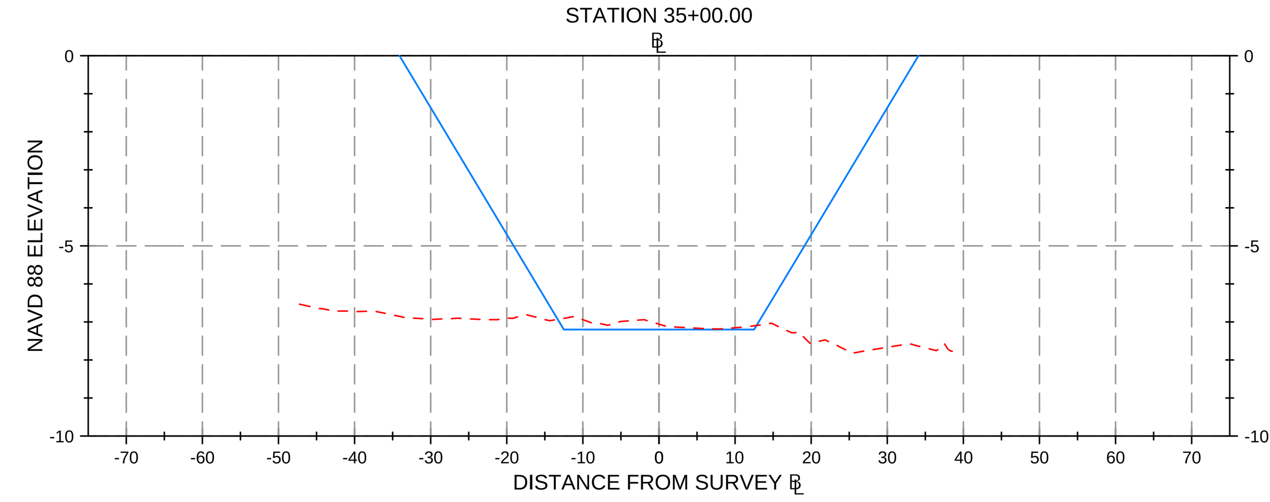

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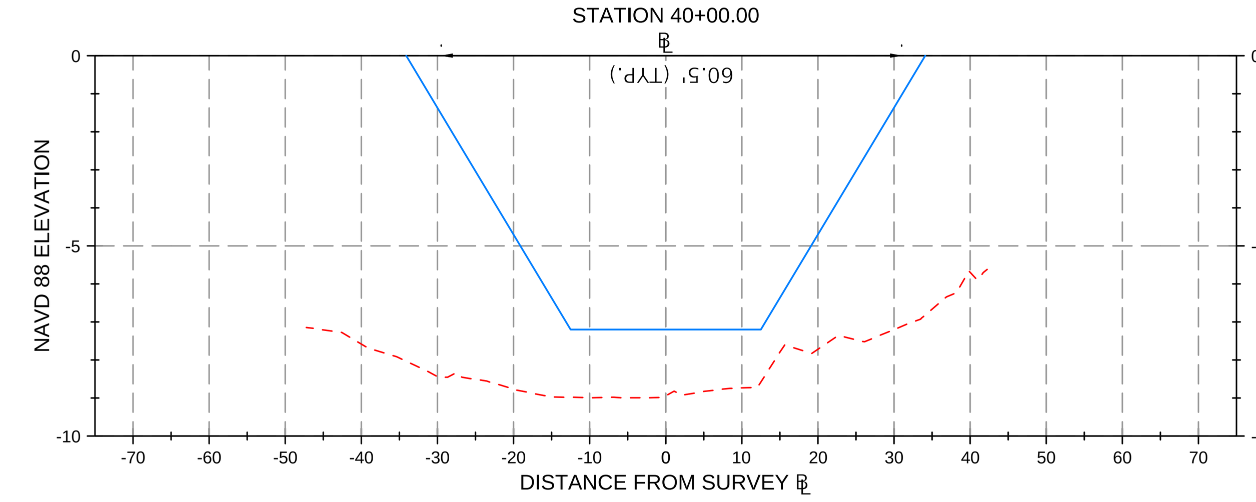

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FIELD BOOK: 1675 PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

DARREN TOWNSEND
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DRAWN: DB DATE: 07/20/2021 CHECKED: DT DATE: 07/27/2021

CLIENT: CHARLOTTE COUNTY

HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO: 21-1329 FILE NAME: 21-1329 ALLIGATOR
COUNTY: CHARLOTTE SECTION: 19,20,25,30 TOWNSHIP: 41 S RANGE: 23 E

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

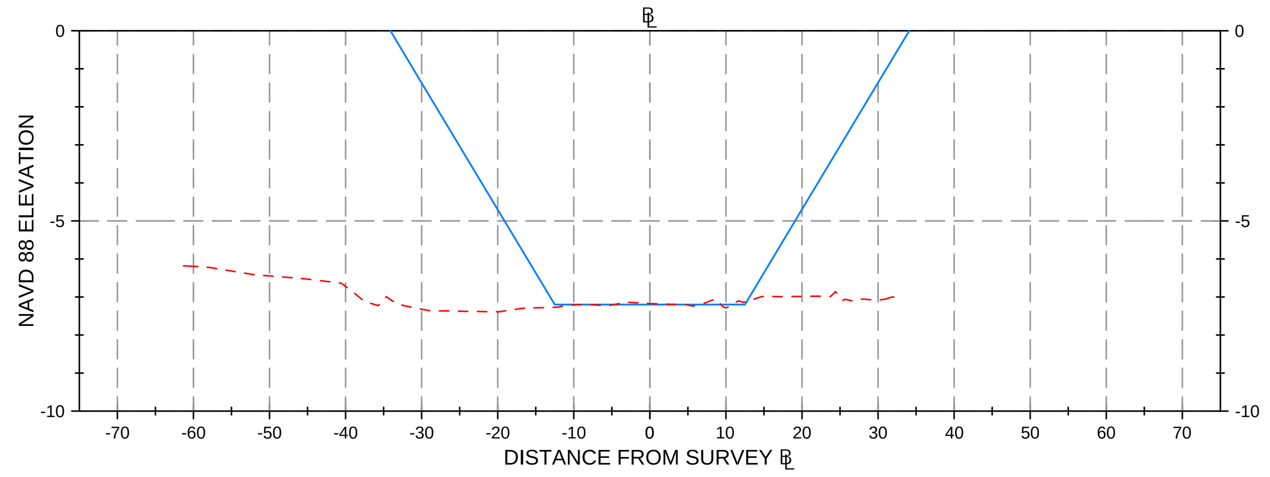
SECTION SHEET LEGEND:

- ℄ = BASELINE
- - - - - = EXISTING BOTTOM SURFACE
- ——— = DREDGE TEMPLATE
- MLW = MEAN LOW WATER
- NAVD 88 = NORTH AMERICAN DATUM OF 1988

24"X36" FORMAT SCALE:
HORIZONTAL 1" = 20'
VERTICAL SCALE 1" = 4'

11"X17" FORMAT SCALE:
HORIZONTAL 1" = 40'
VERTICAL SCALE 1" = 8'

STATION 49+00.00



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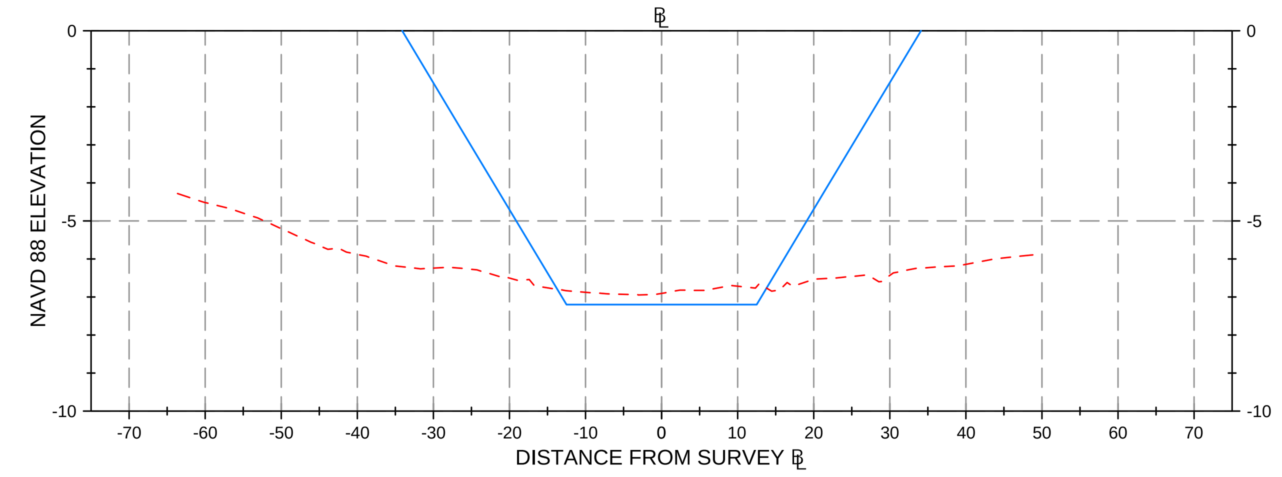
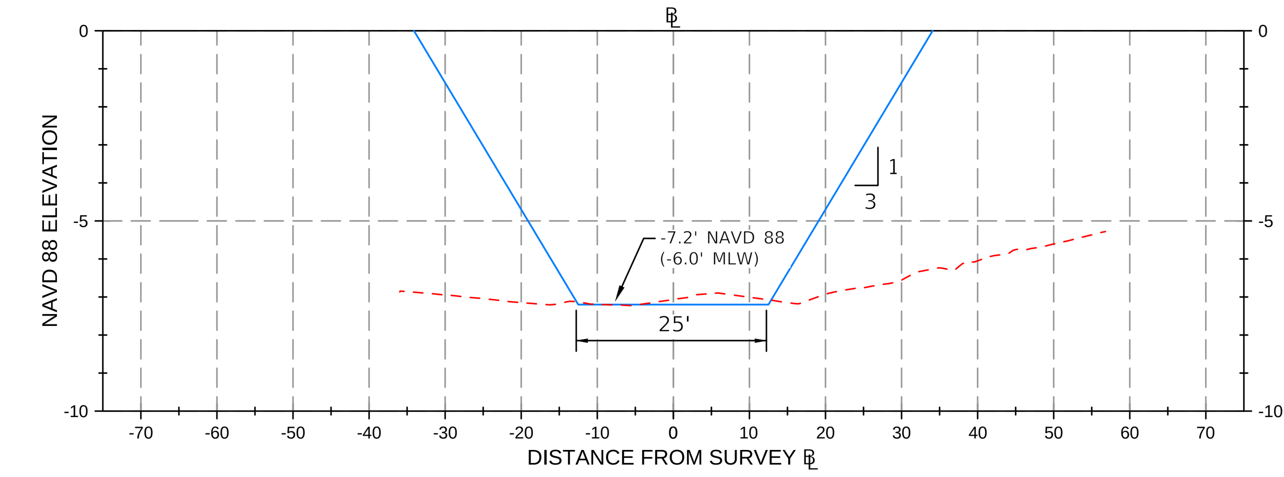


STATION 59+00.00



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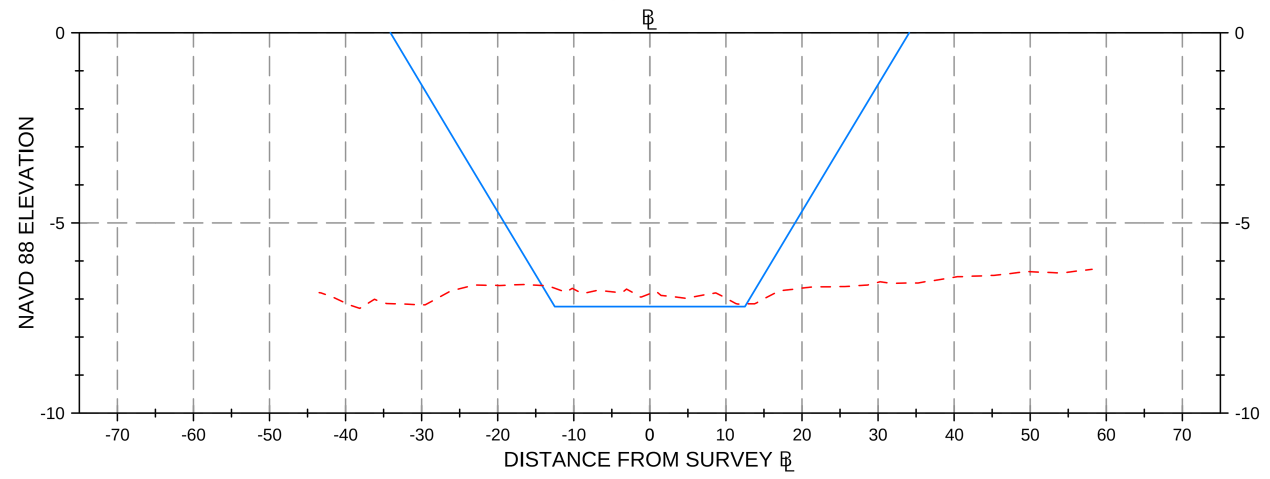
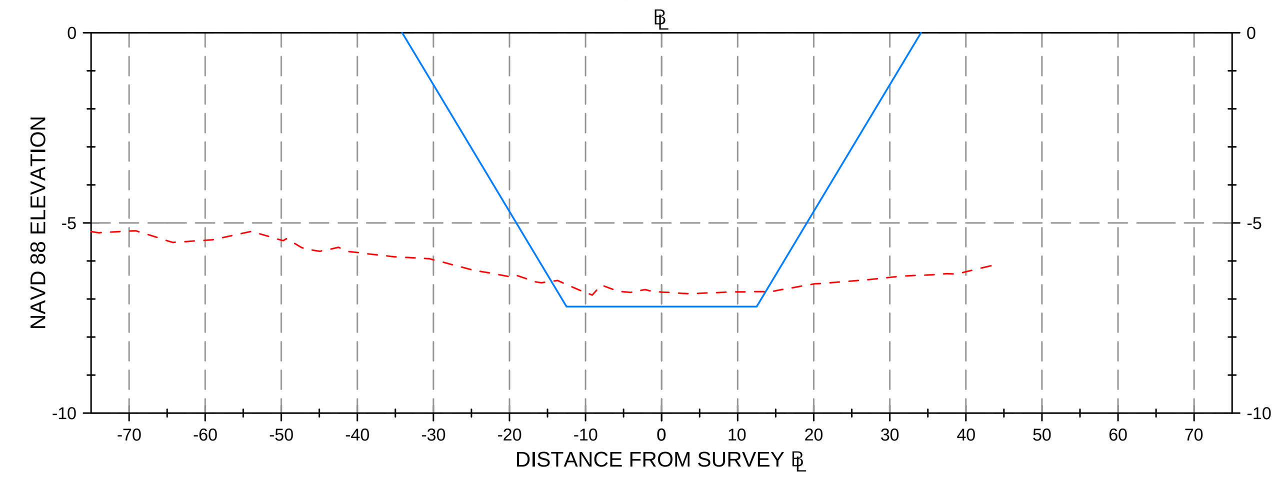


STATION 53+00.00



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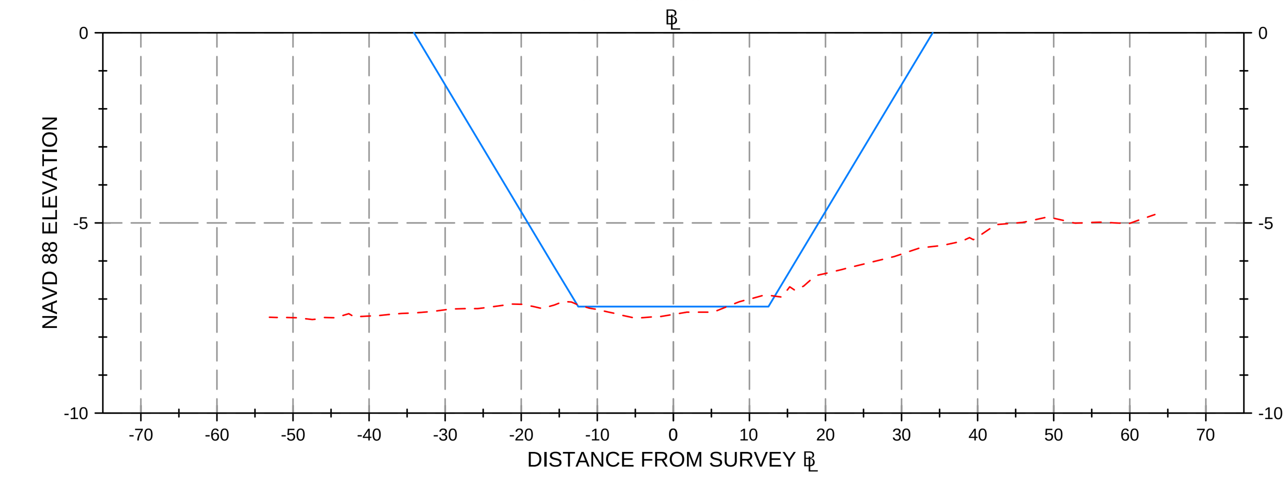

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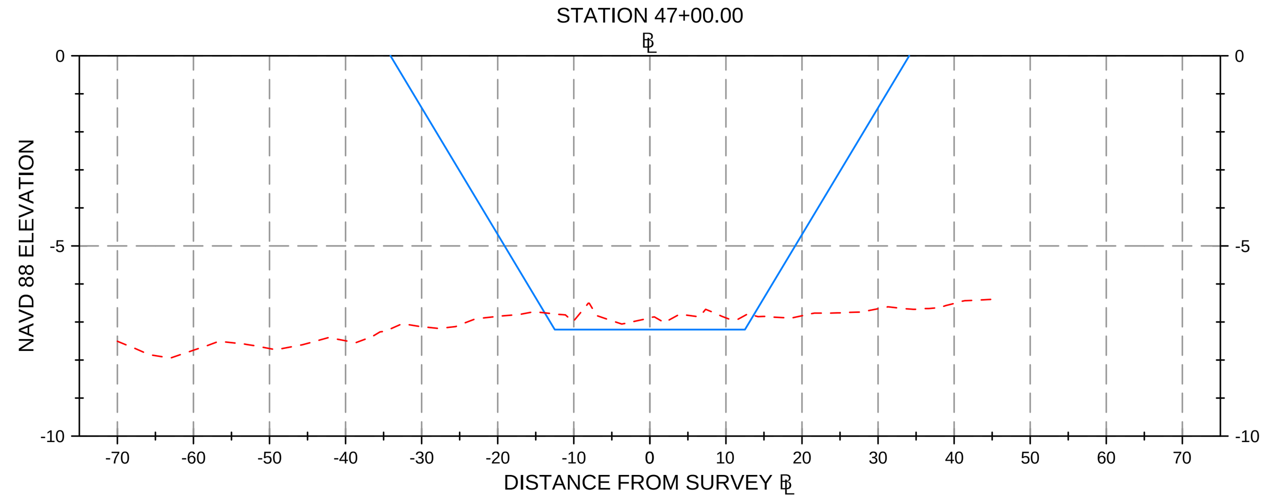

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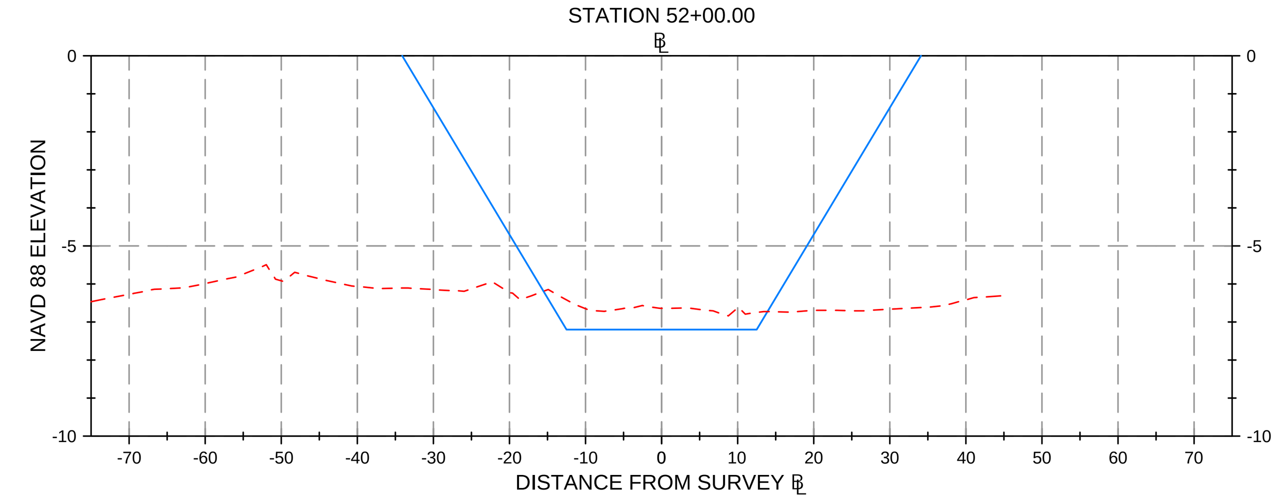

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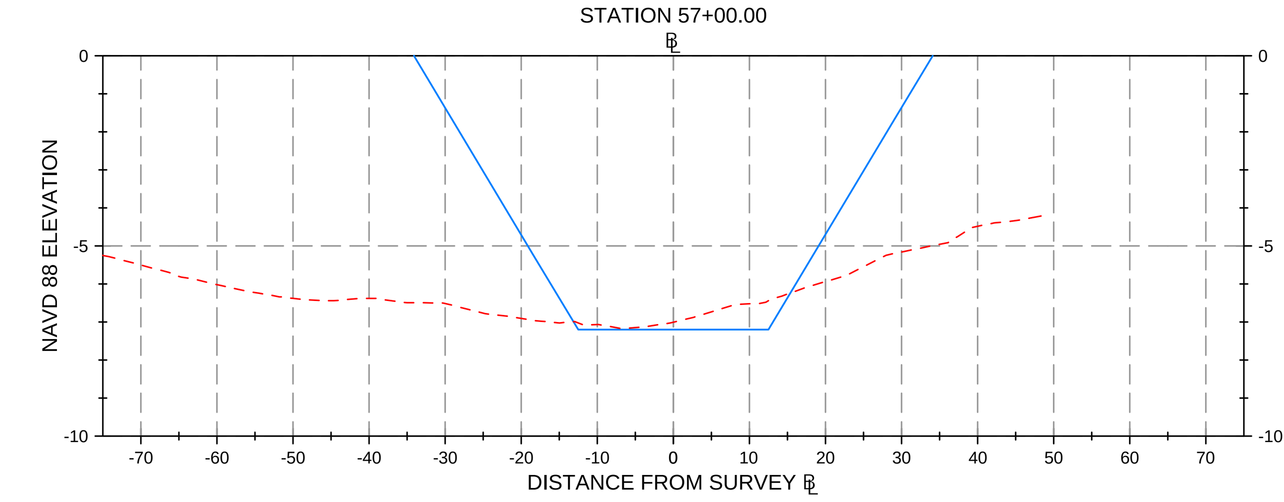

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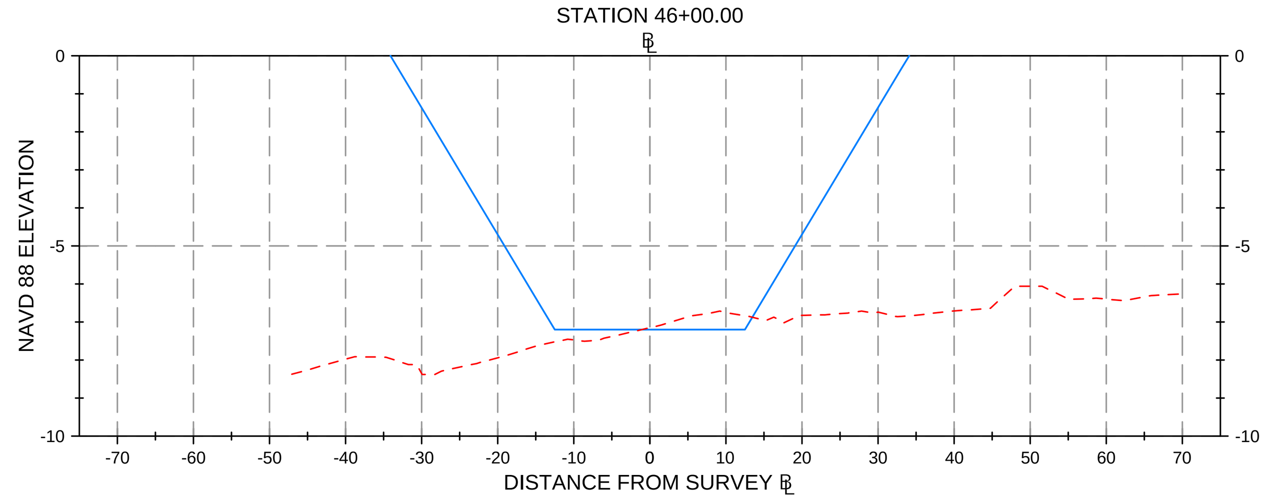
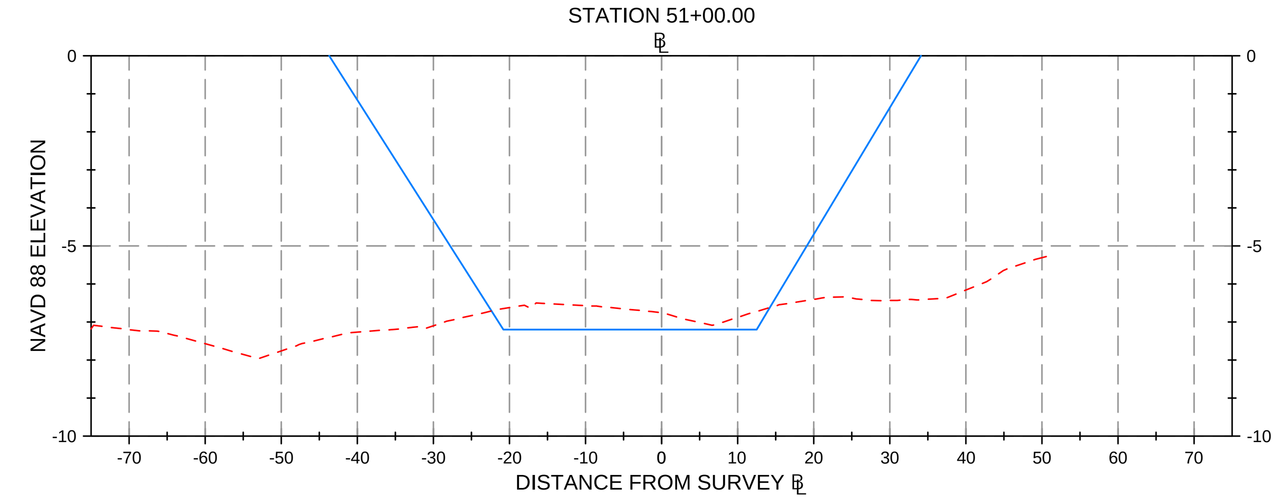


STATION 51+00.00



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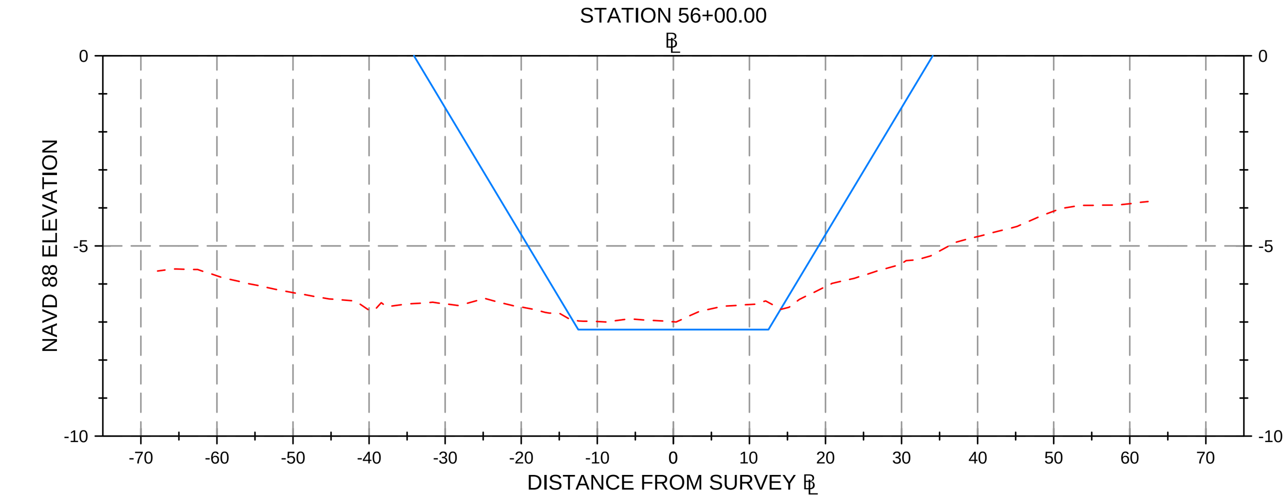

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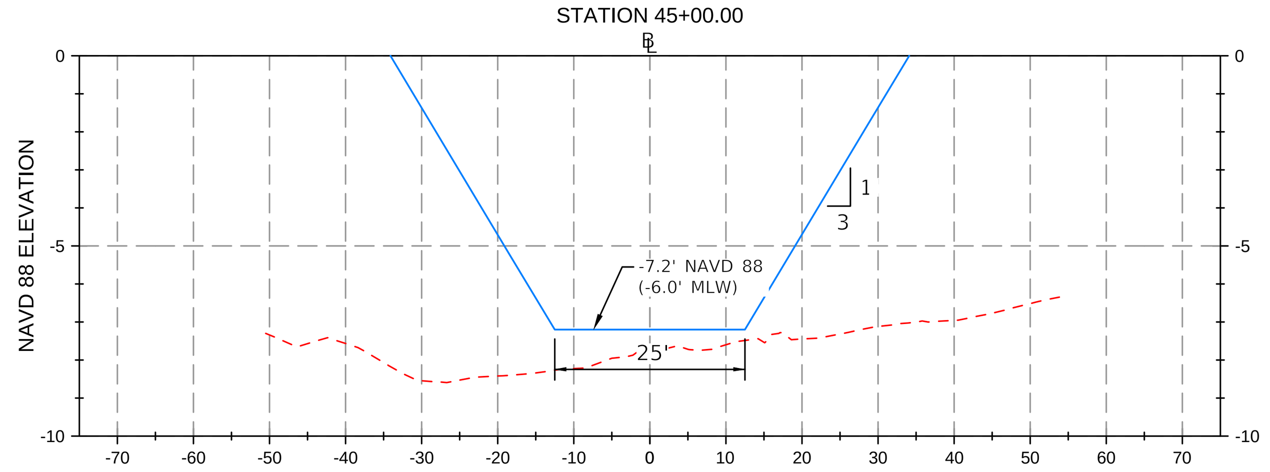

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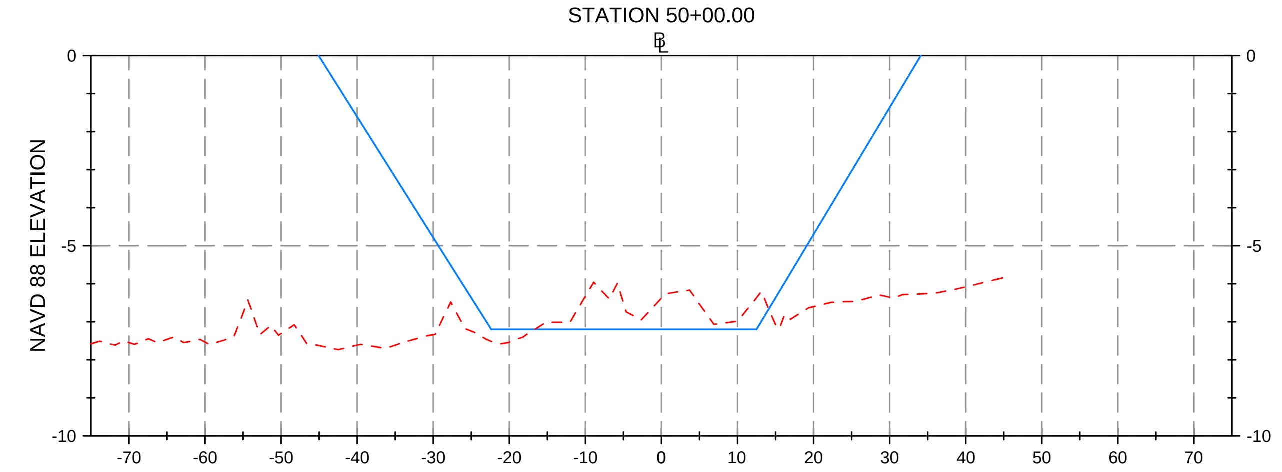

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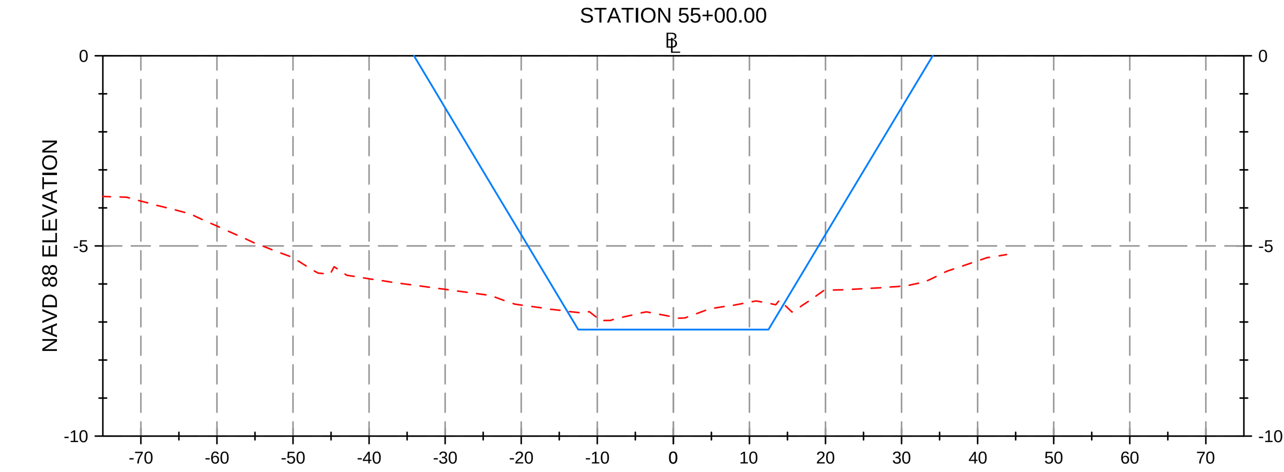

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FIELD BOOK: 1675
PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

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CLIENT: CHARLOTTE COUNTY

HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO.: 21-1329
FILE NAME: 21-1329 ALLIGATOR
COUNTY: CHARLOTTE
SECTION: 19,20,25,30
TOWNSHIP: 41 S
RANGE: 23 E

J:\Active\21-1329 Charlotte Prestorm Bathy\Working\2107_DB_Mapping\21-1329_Alligator.dwg 8/24/2021 11:50:12 AM

HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

SECTION SHEET LEGEND:

℄ = BASELINE
- - - - - - = EXISTING BOTTOM SURFACE
———— = DREDGE TEMPLATE
MLW = MEAN LOW WATER
NAVD 88 = NORTH AMERICAN DATUM OF 1988

24"X36" FORMAT SCALE:
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VERTICAL SCALE 1" = 4'

11"X17" FORMAT SCALE:
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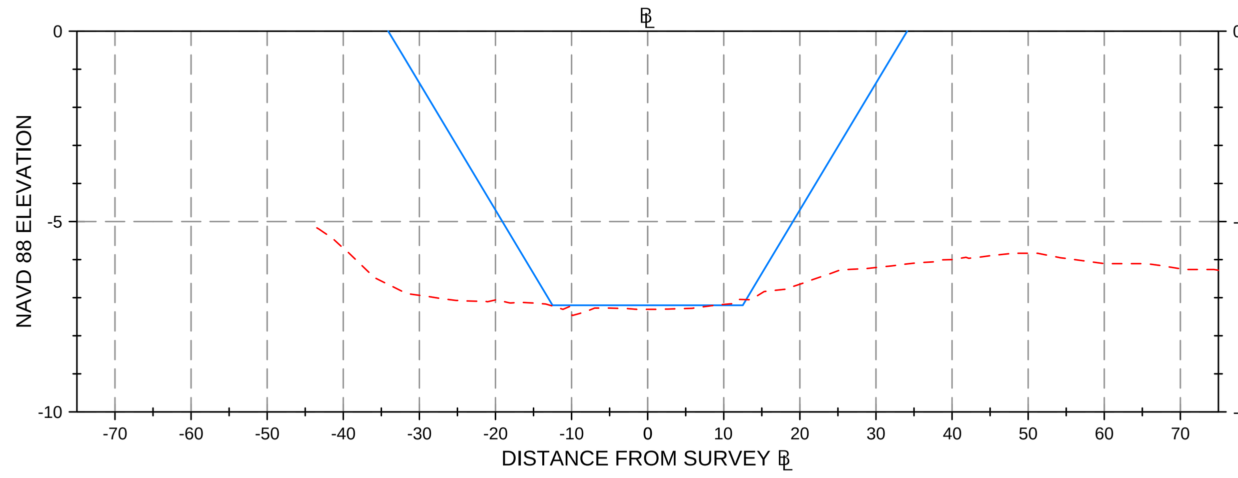
STATION 64+00.00



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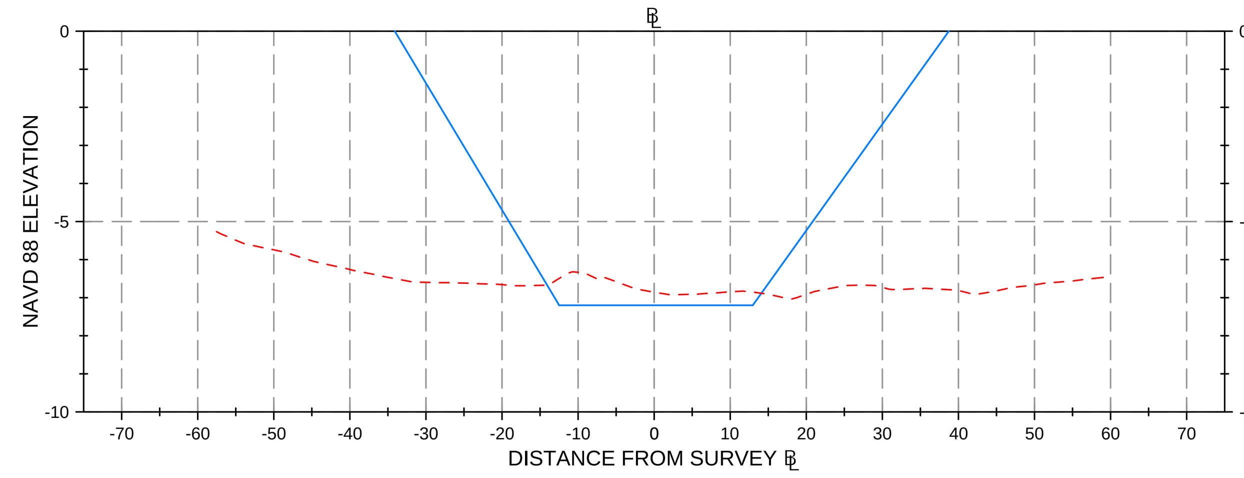

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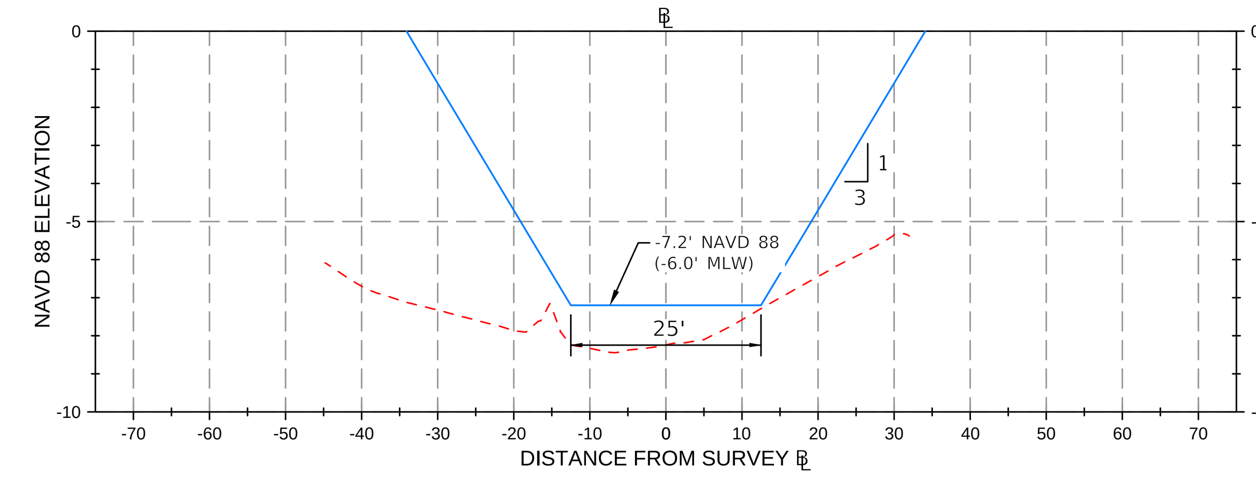

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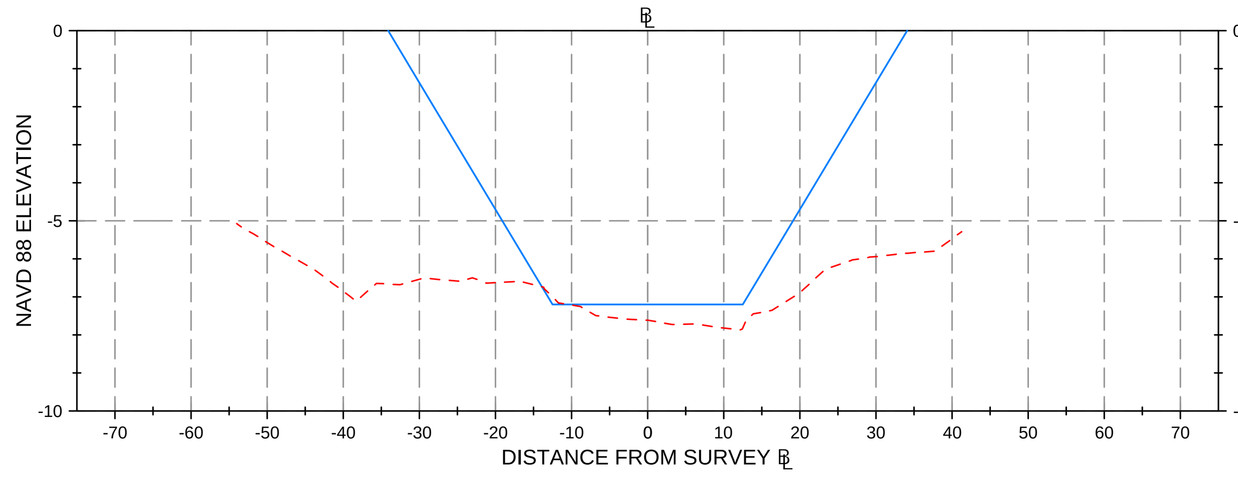

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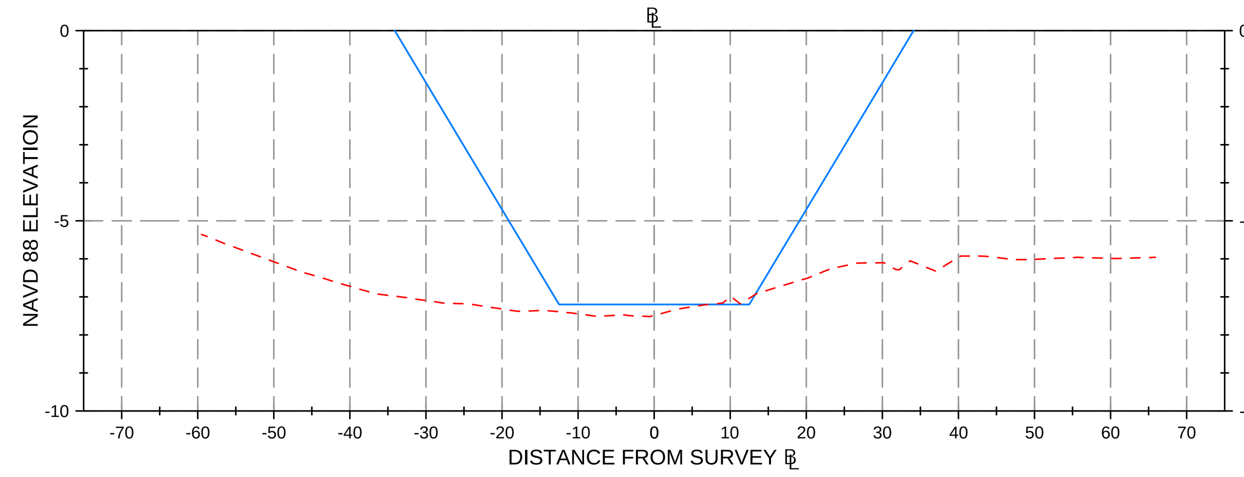

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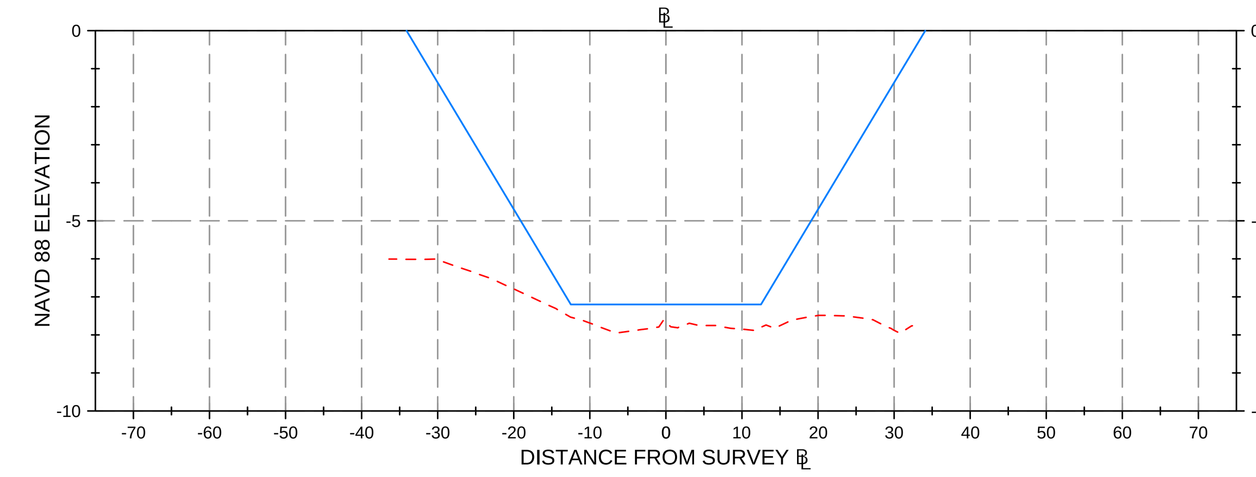

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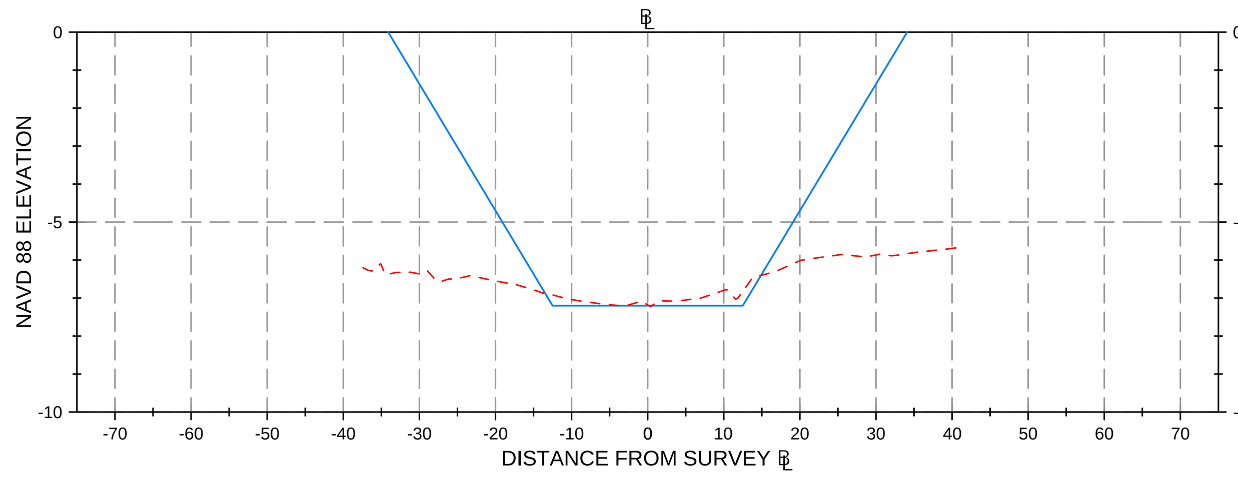

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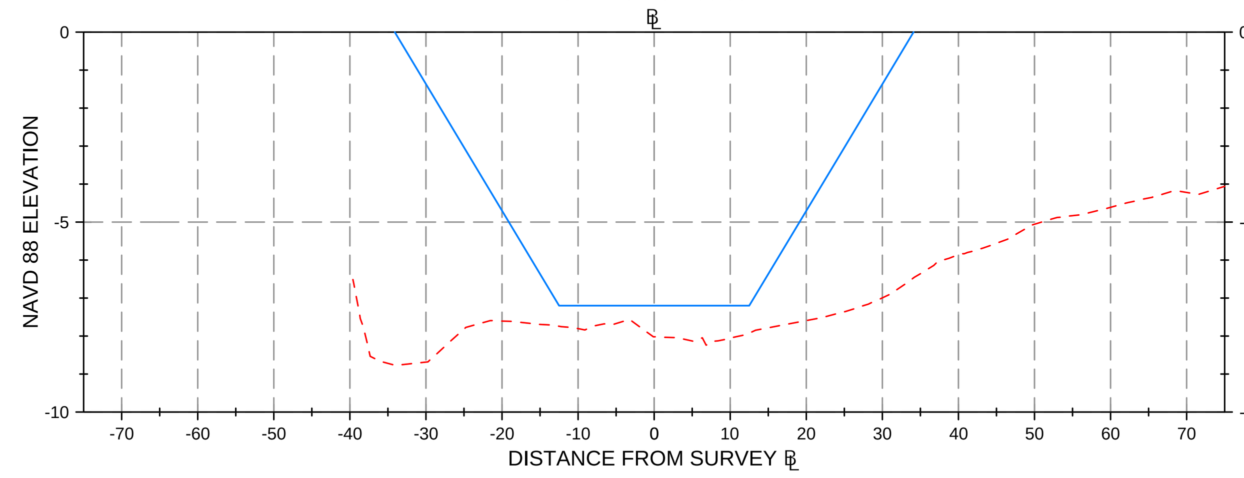

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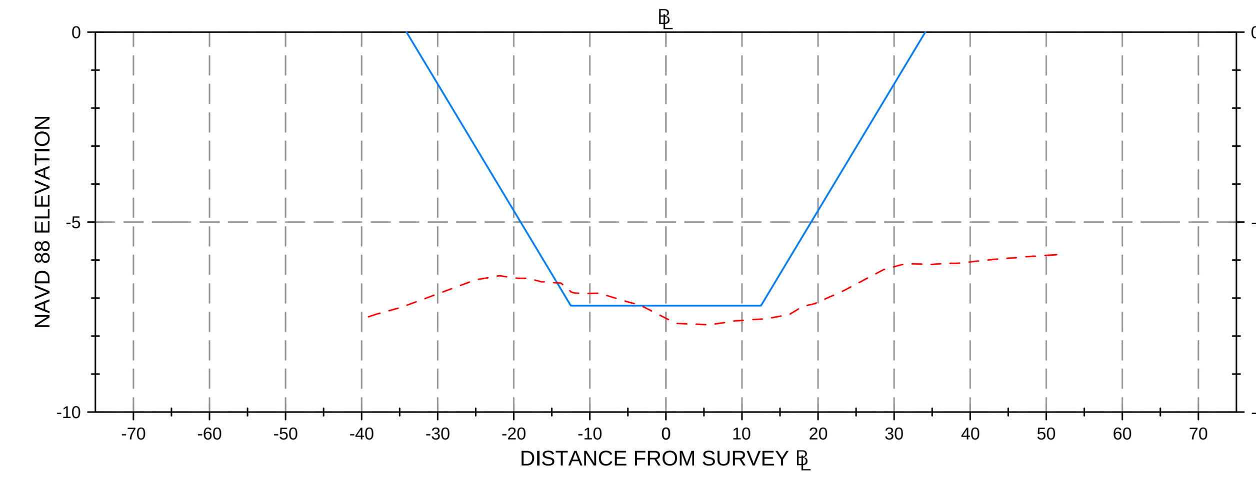

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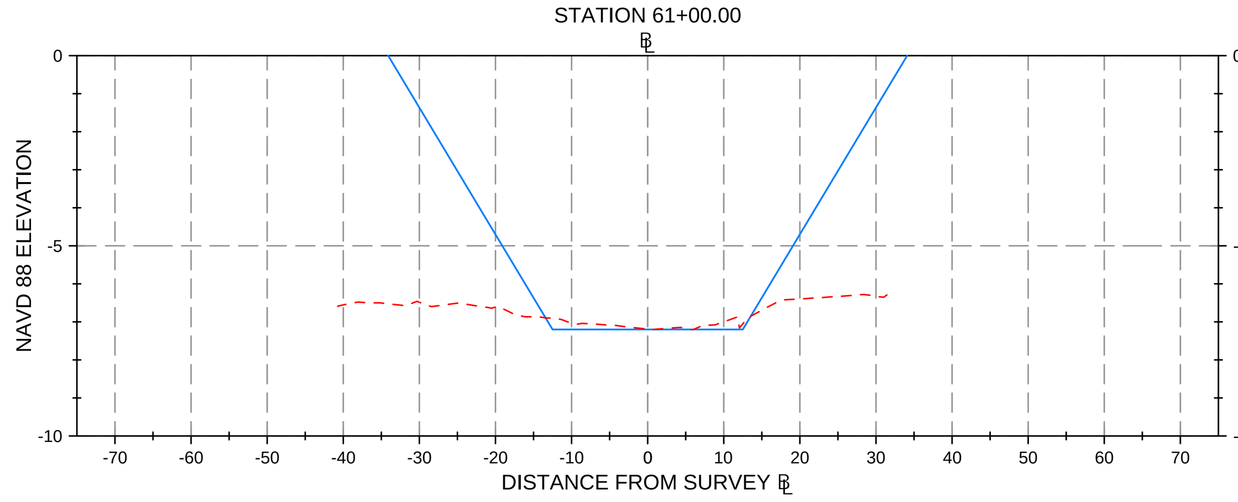

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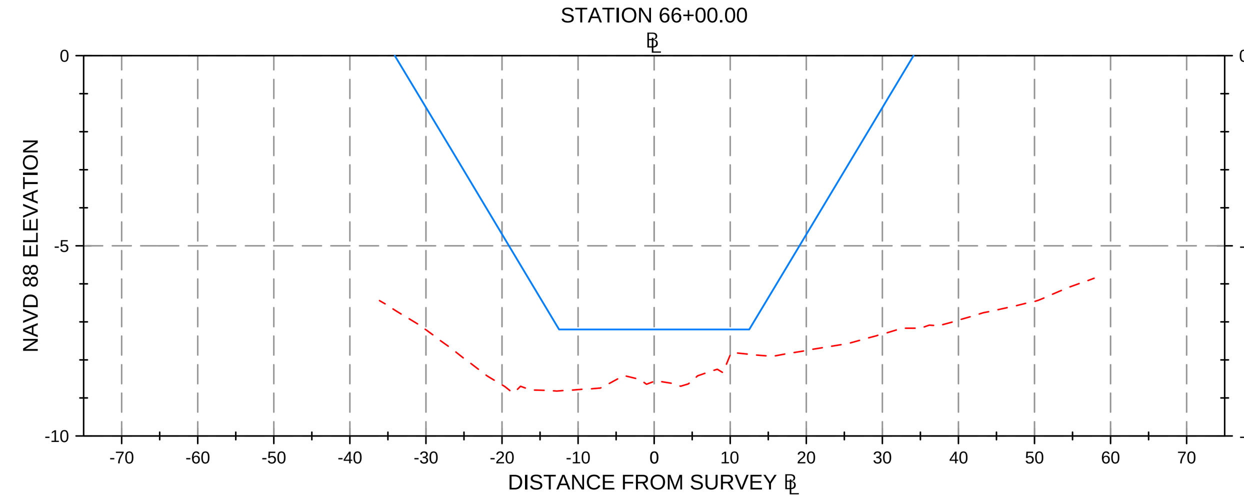

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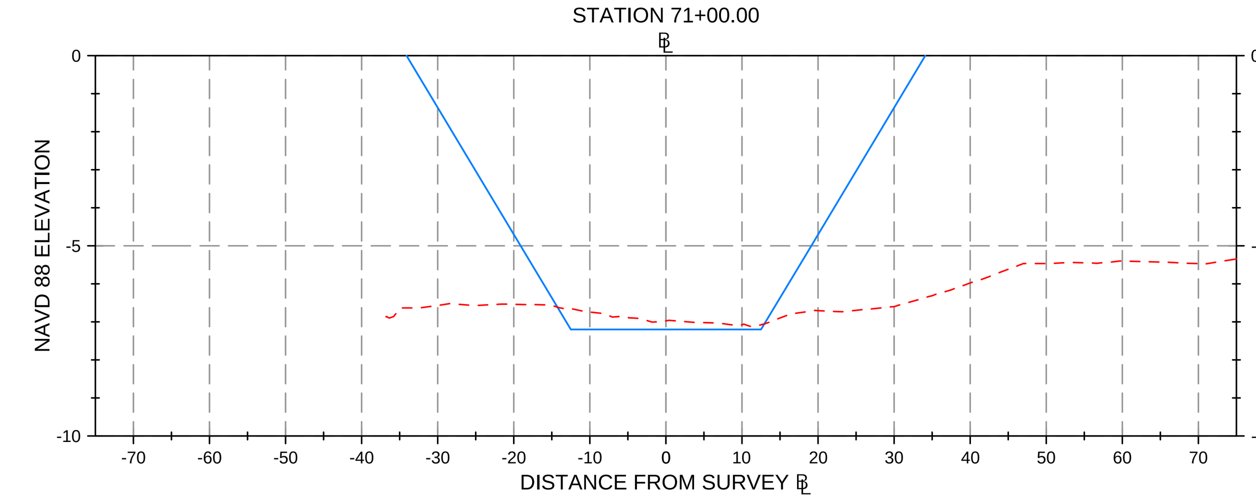

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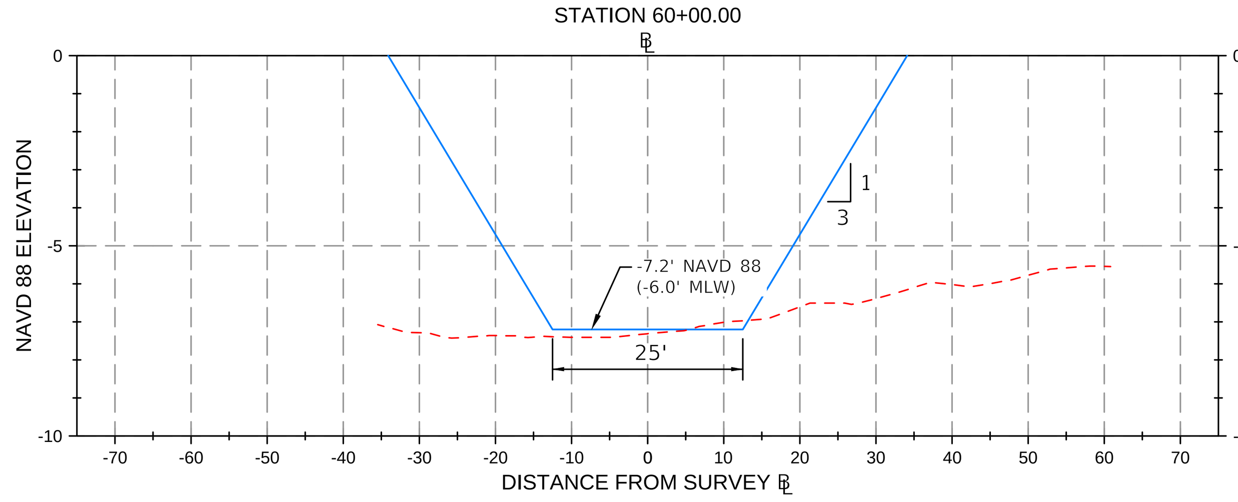

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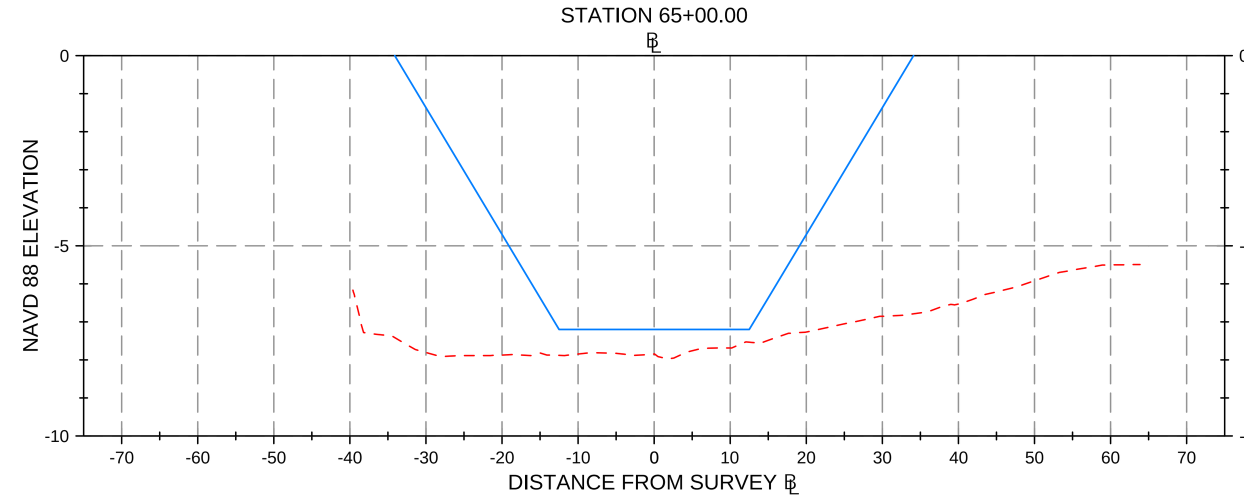

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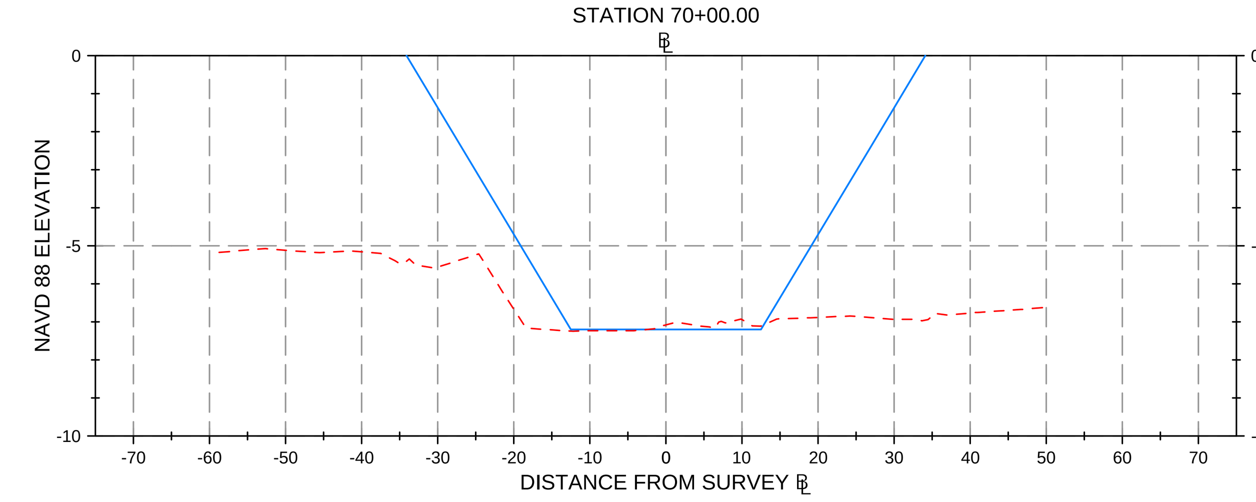

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FIELD BOOK: 1675 PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

DARREN TOWNSEND
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6476
NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

AIM Engineering & Surveying, Inc.
CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT
2261 FOWLER STREET, SUITE 100
FORT MYERS, FLORIDA 33901
www.aimengr.com
TOLL FREE 800-226-4569
PHONE 239-332-4569
CERTIFICATE OF AUTHORIZATION No. 3114

DRAWN:	DATE:	CHECKED:	DATE:
DB	07/20/2021	DT	07/27/2021

CLIENT: CHARLOTTE COUNTY

HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO.:	FILE NAME:		
21-1329	21-1329 ALLIGATOR		
COUNTY:	SECTION:	TOWNSHIP:	RANGE:
CHARLOTTE	19,20,25,30	41 S	23 E

HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST
CHARLOTTE COUNTY, FLORIDA

SECTION SHEET LEGEND:

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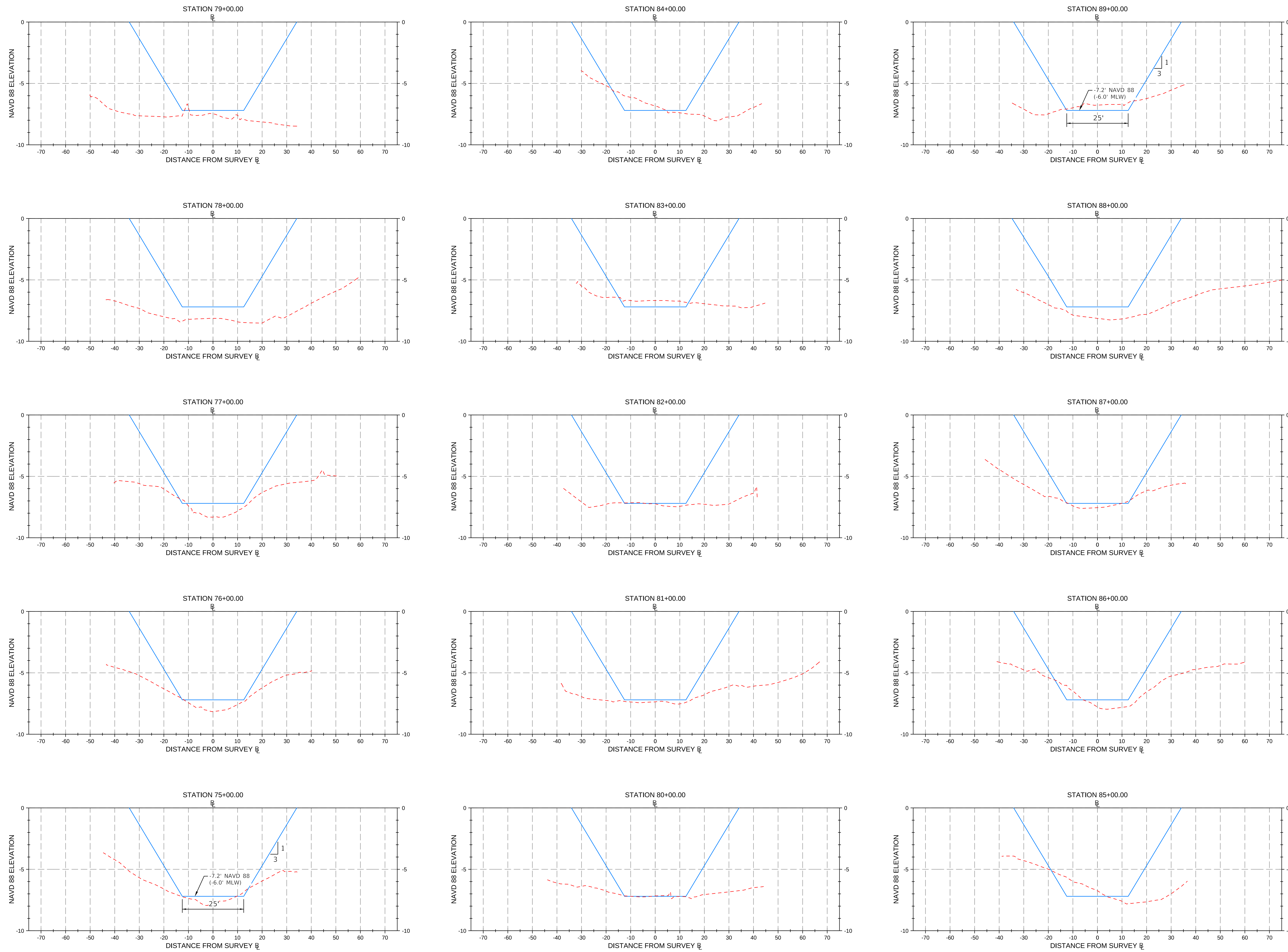

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HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO.: 21-1329 FILE NAME: 21-1329 ALLIGATOR
COUNTY: CHARLOTTE SECTION: 19,20,25,30 TOWNSHIP: 41 S RANGE: 23 E

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

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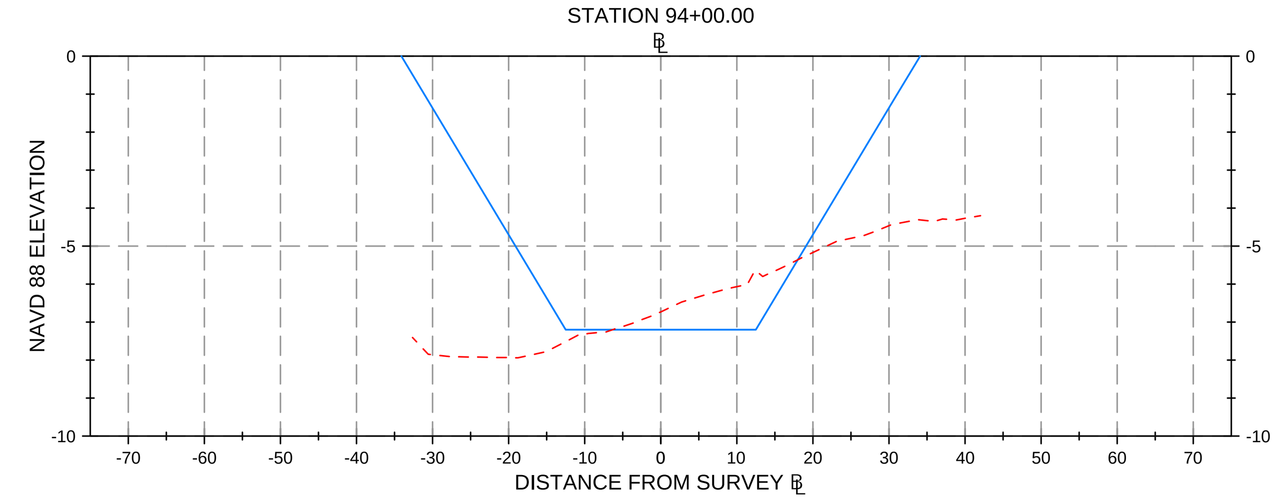
STATION 94+00.00



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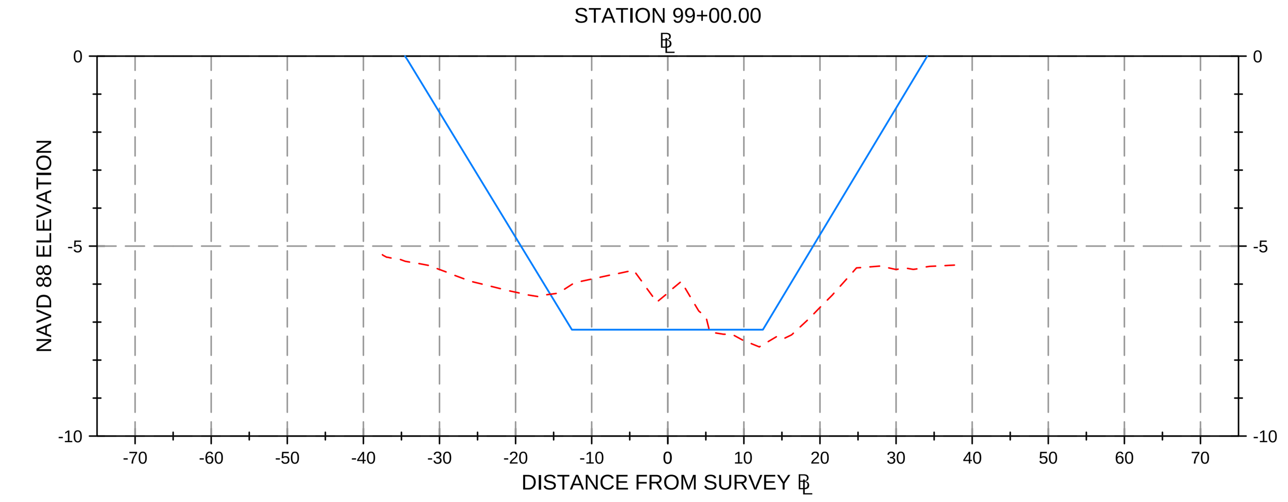

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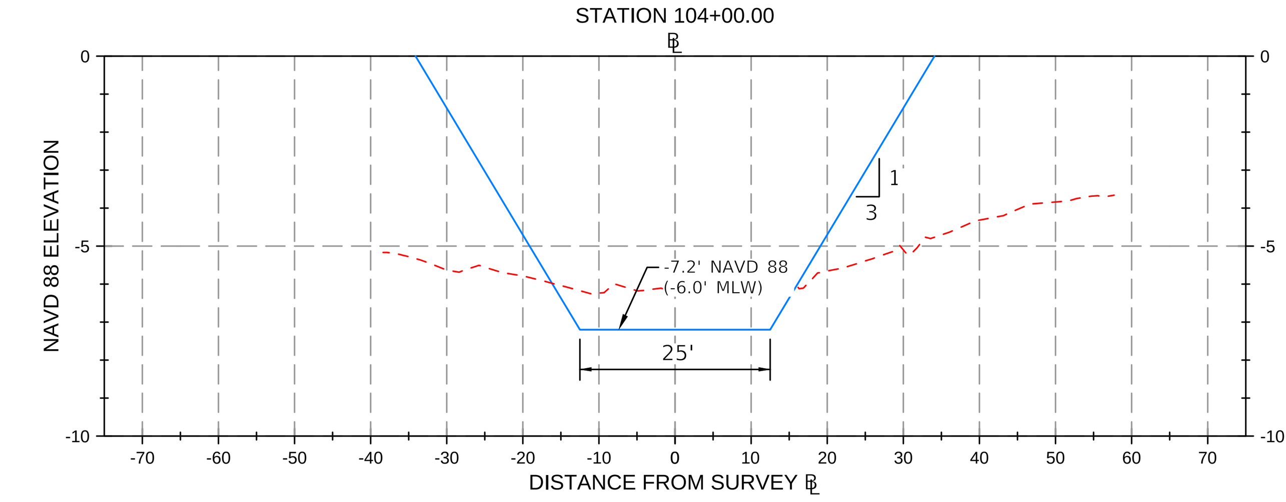

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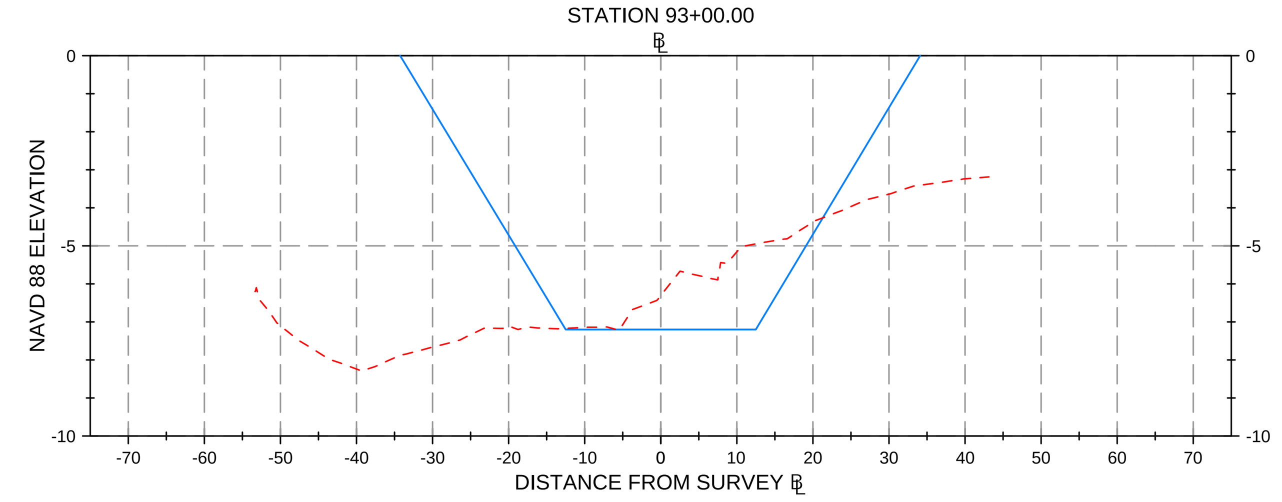

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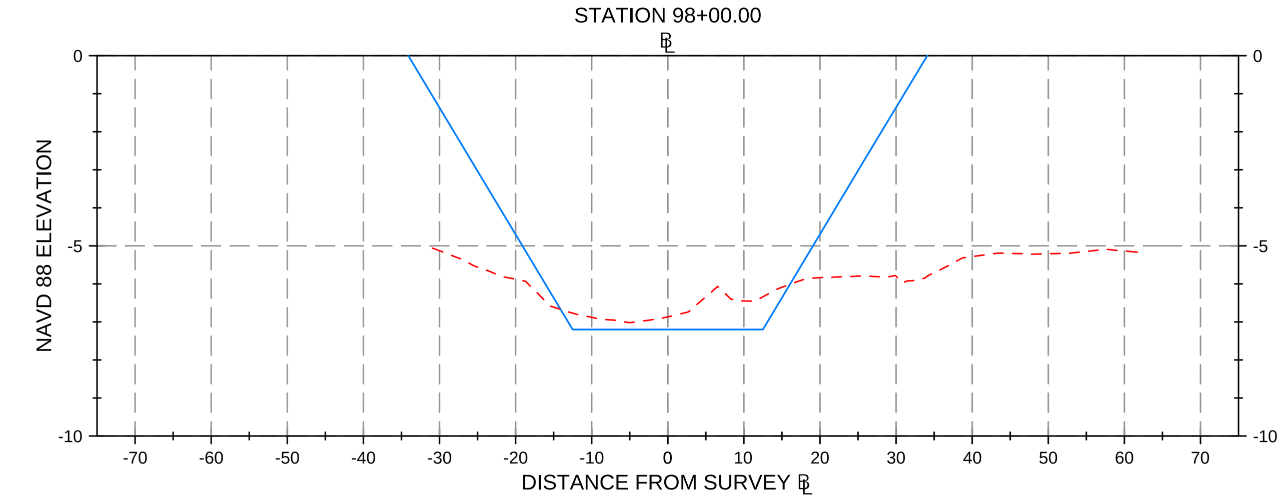

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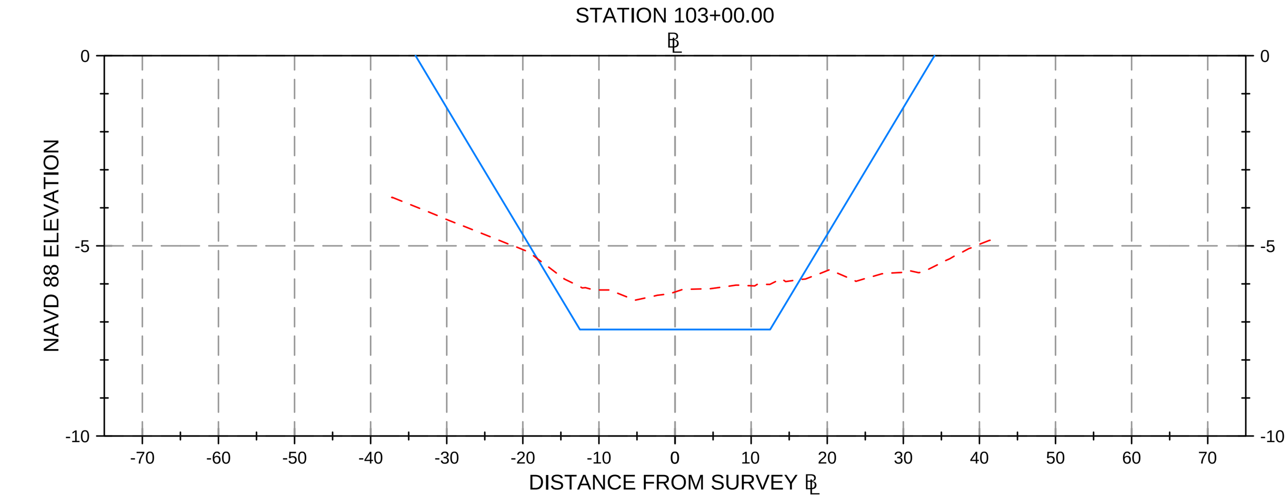

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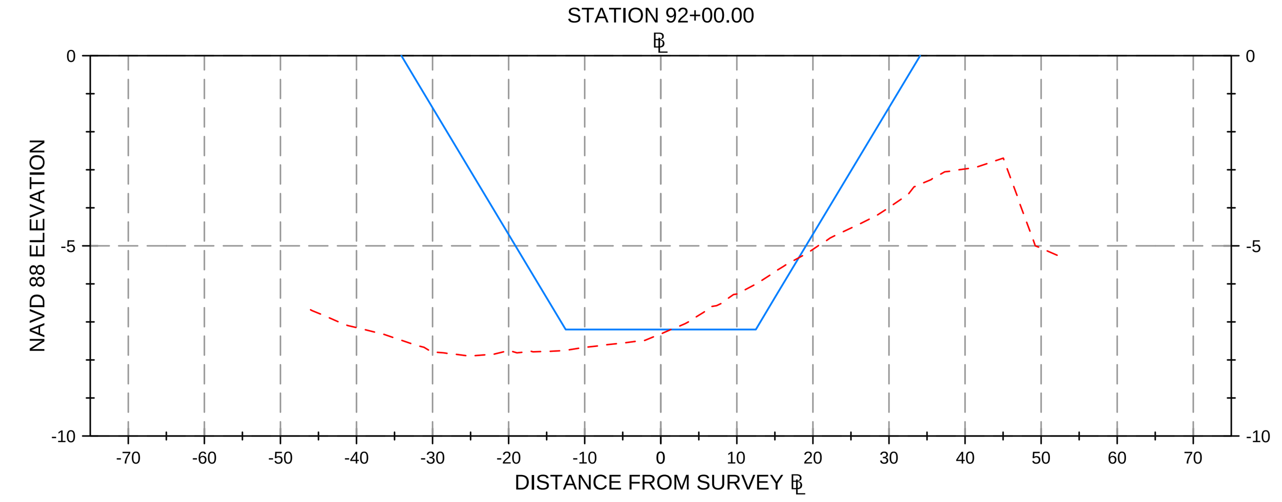

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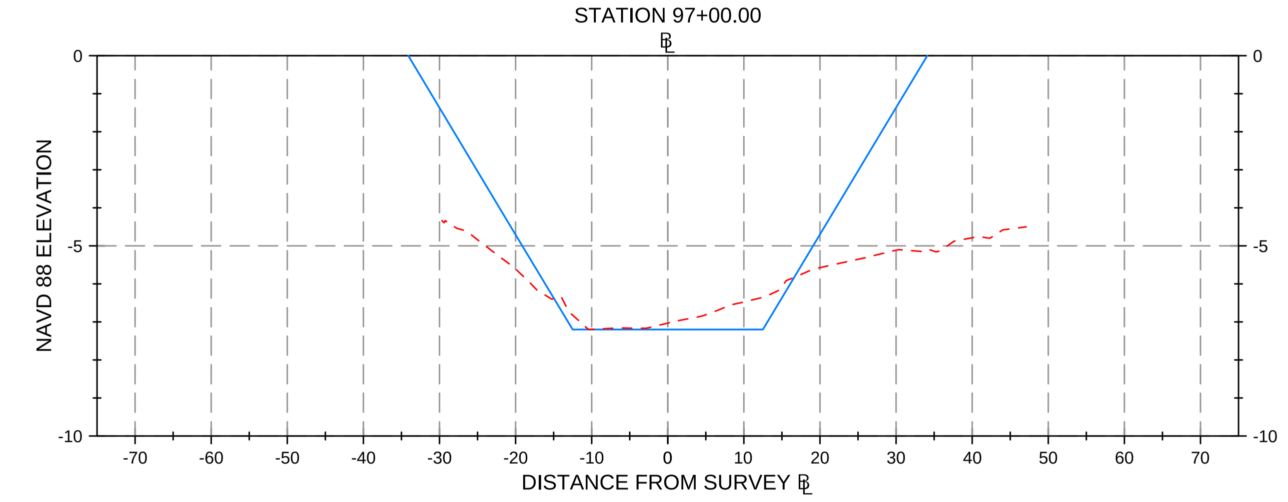

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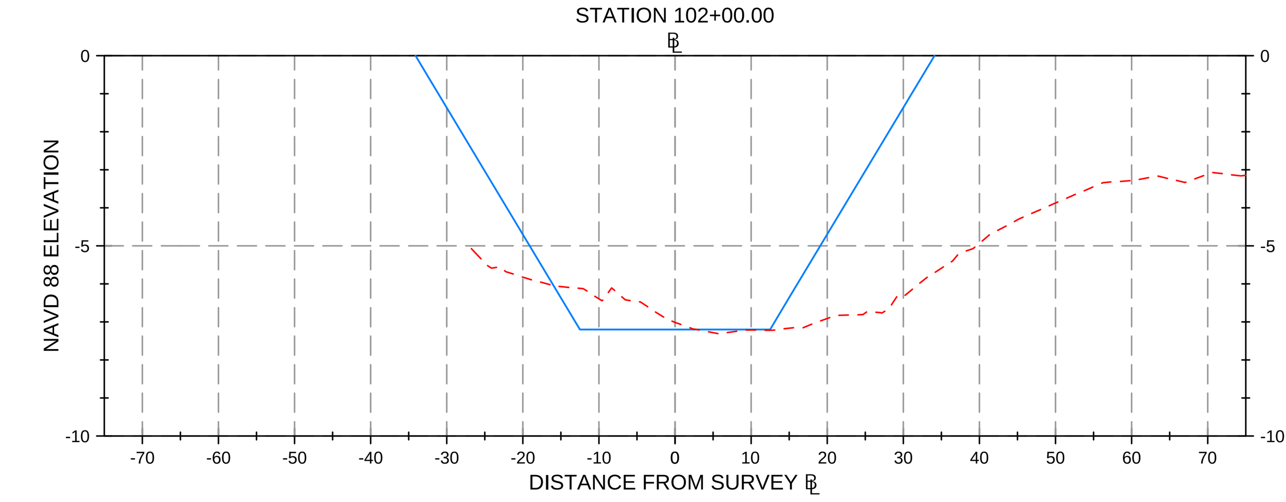

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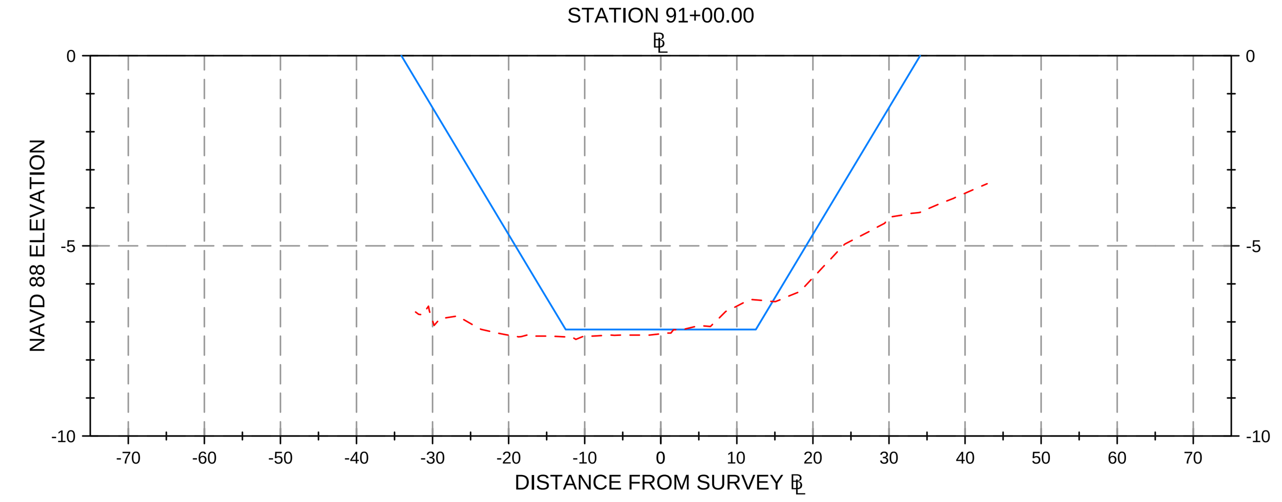

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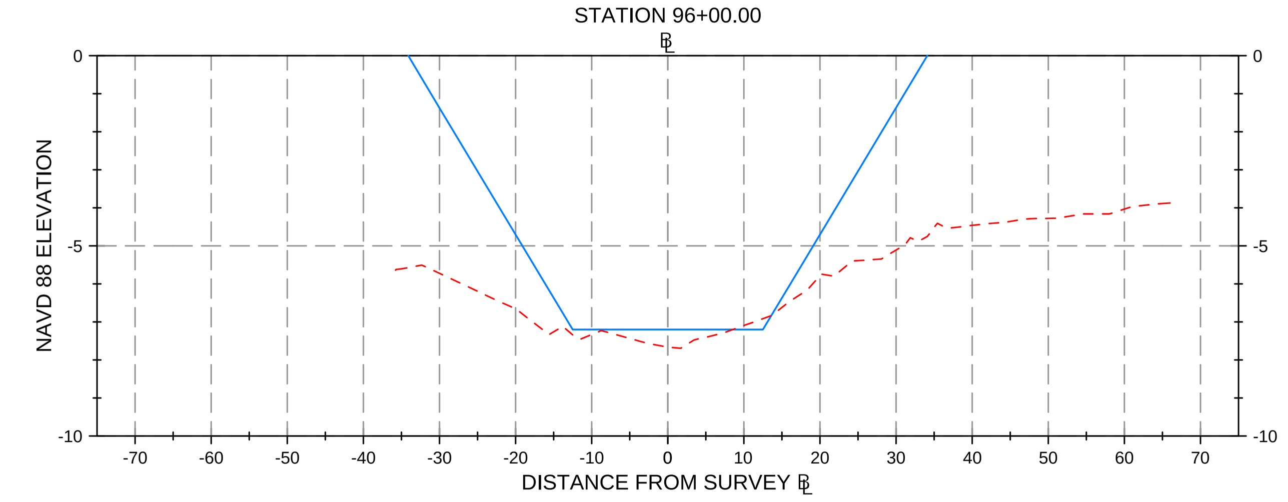

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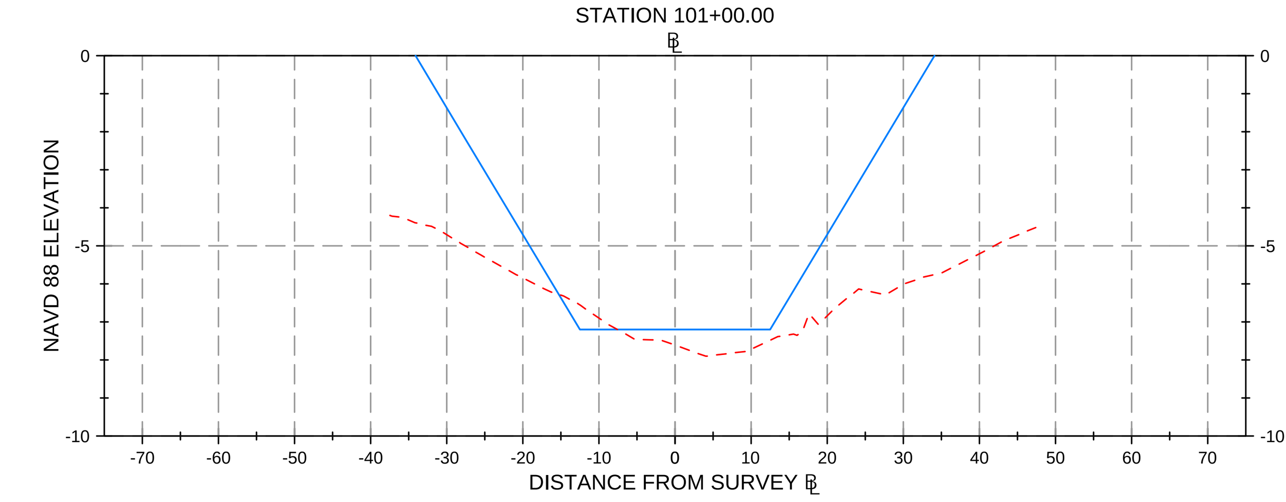

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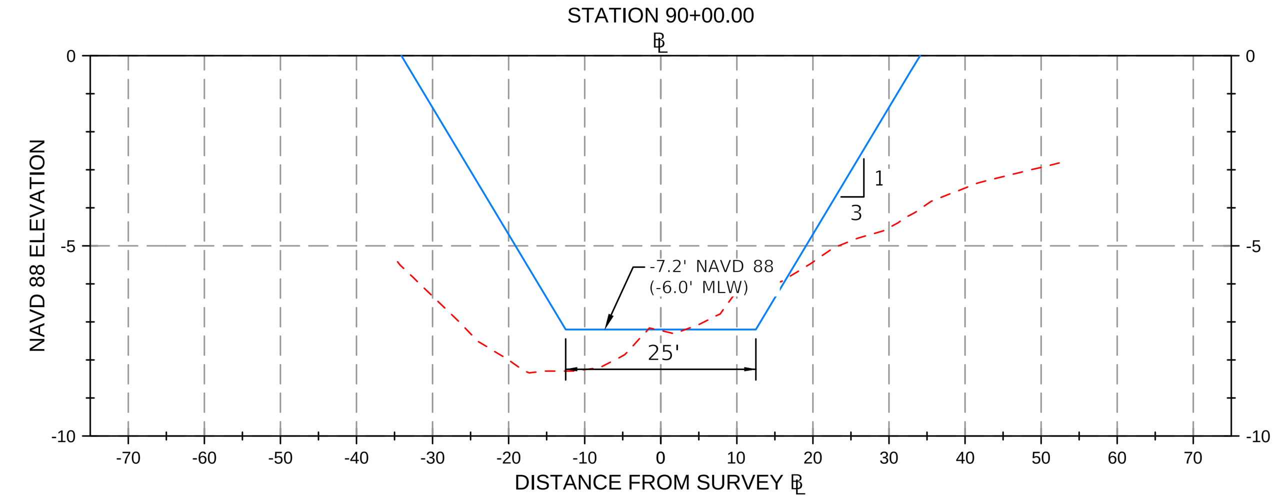

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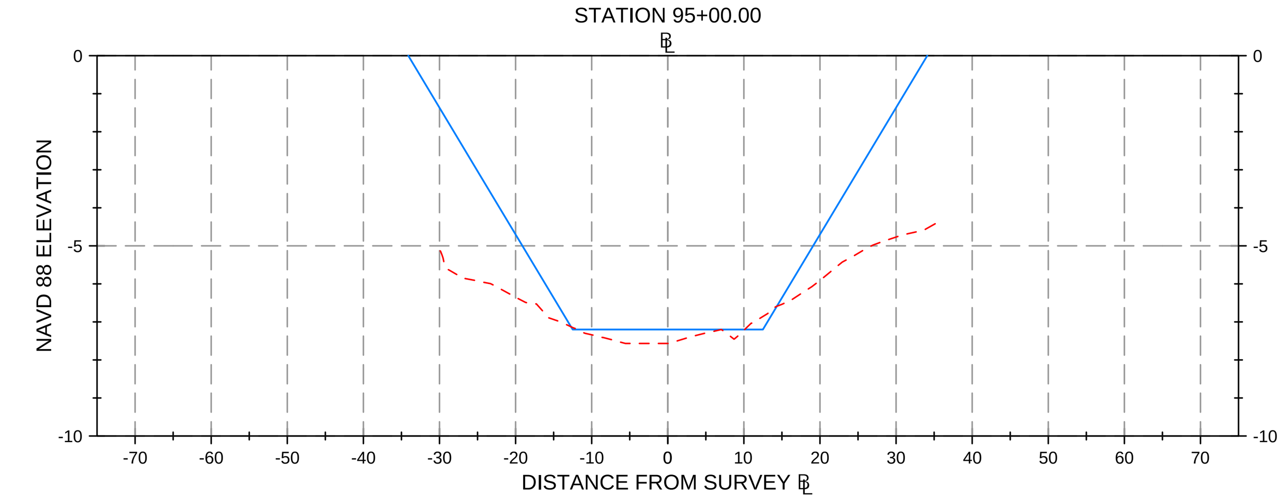

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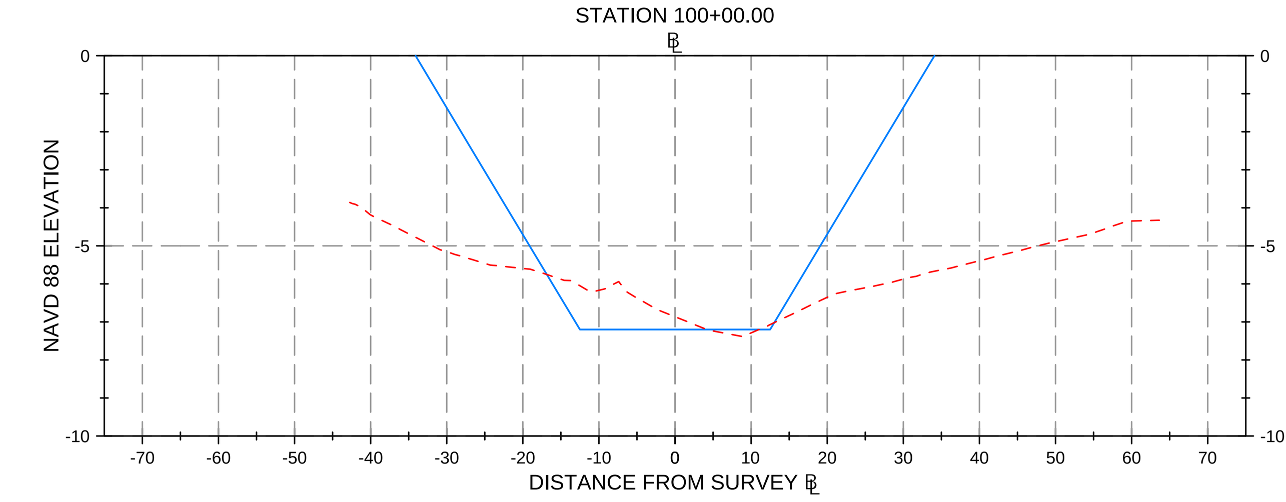

No.	DATE:	BY:	REVISIONS
1			
2			
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FIELD BOOK: 1675
PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

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CERTIFICATE OF AUTHORIZATION No. 3114

DRAWN: DB
DATE: 07/20/2021
CHECKED: DT
DATE: 07/27/2021

CLIENT: CHARLOTTE COUNTY

HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO.: 21-1329
FILE NAME: 21-1329 ALLIGATOR
COUNTY: CHARLOTTE
SECTION: 19,20,25,30
TOWNSHIP: 41 S
RANGE: 23 E

SHEET 17 OF 22

J:\Active\21-1329 Charlotte Prestorm Bathy\Working\2107_DB_Mapping\21-1329_Alligator.dwg 8/24/2021 11:50:45 AM

HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

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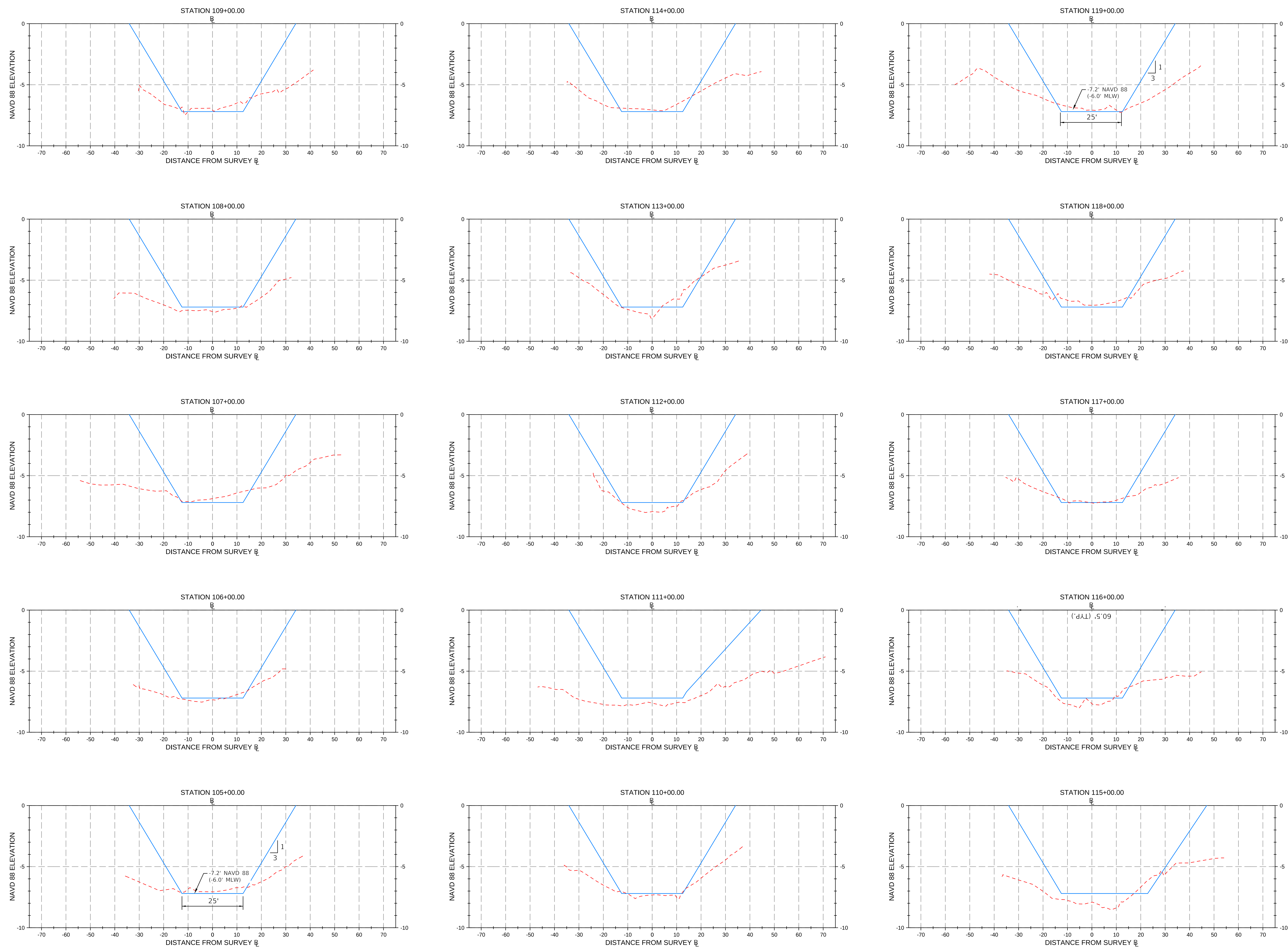

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FIELD BOOK: 1675 PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

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HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO: 21-1329 FILE NAME: 21-1329 ALLIGATOR
COUNTY: CHARLOTTE SECTION: 19,20,25,30 TOWNSHIP: 41 S RANGE: 23 E

SHEET 18 OF 22

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

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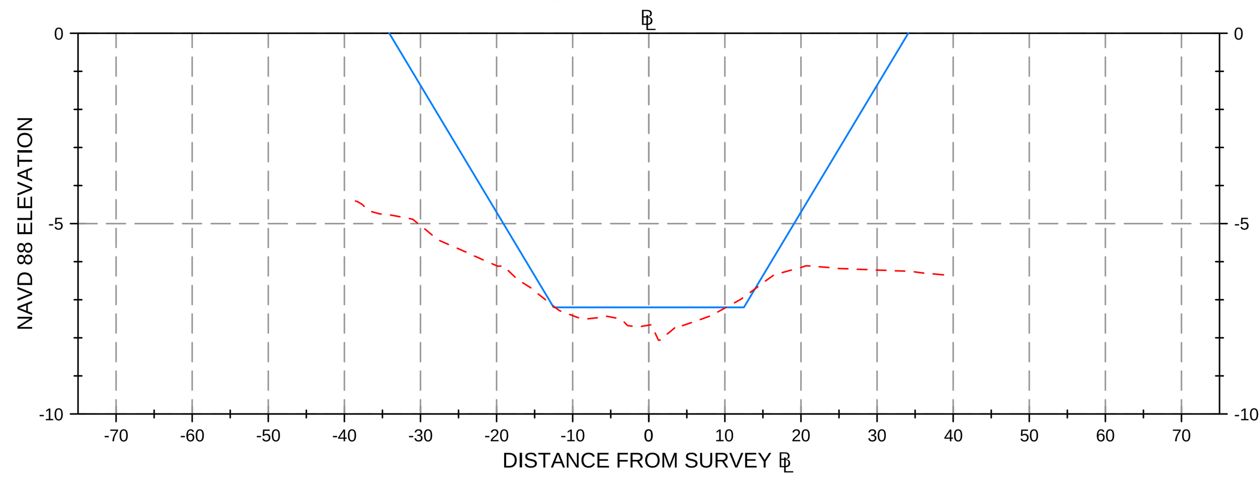
STATION 124+00.00



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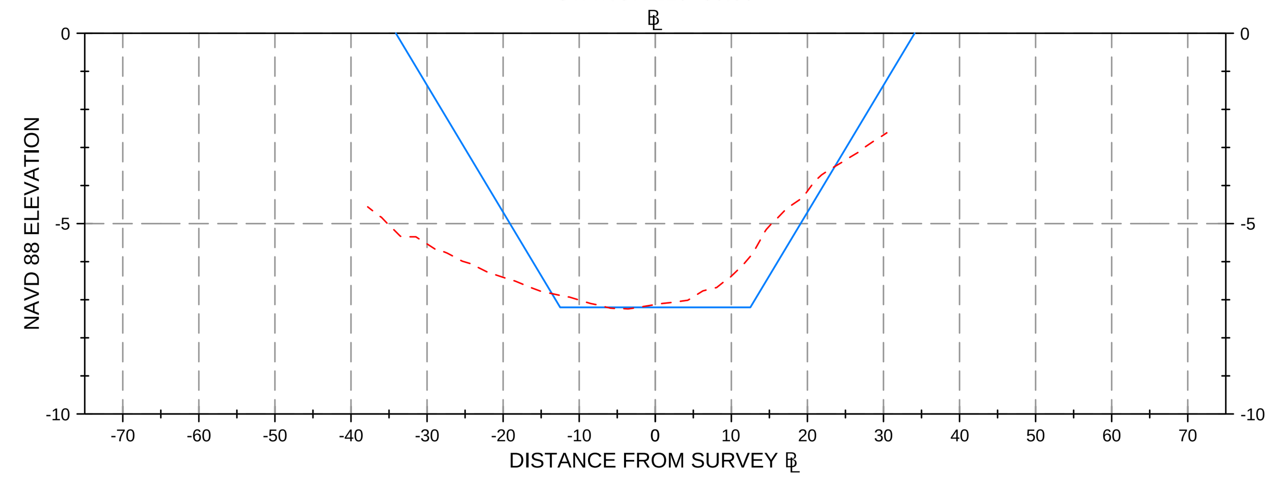

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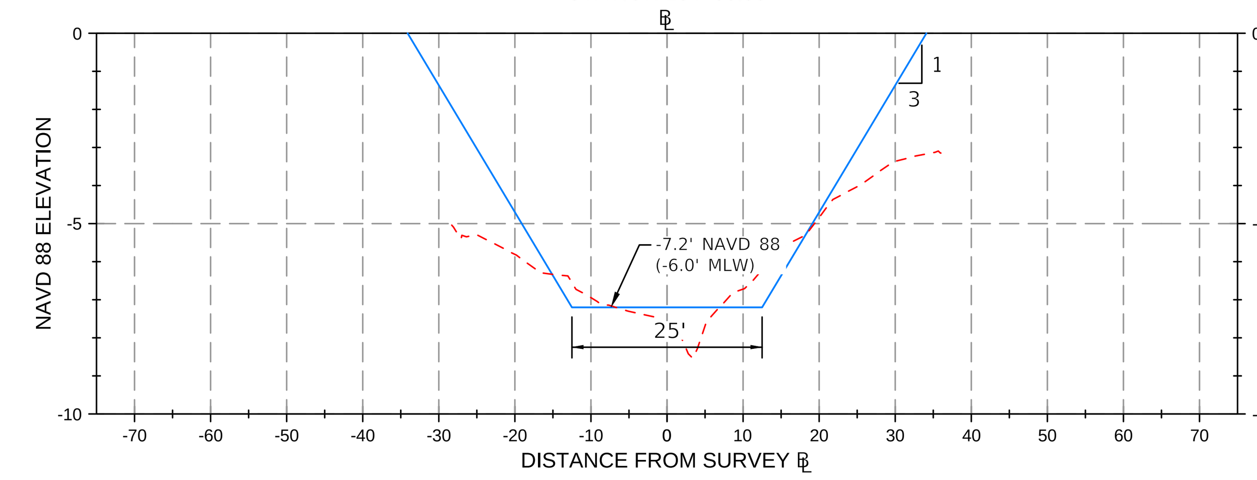

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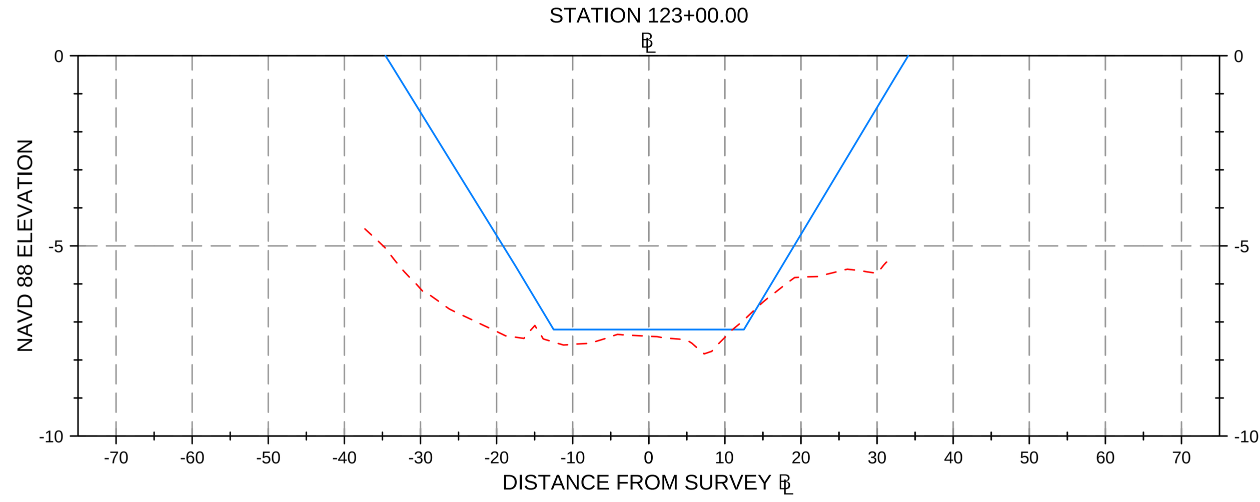

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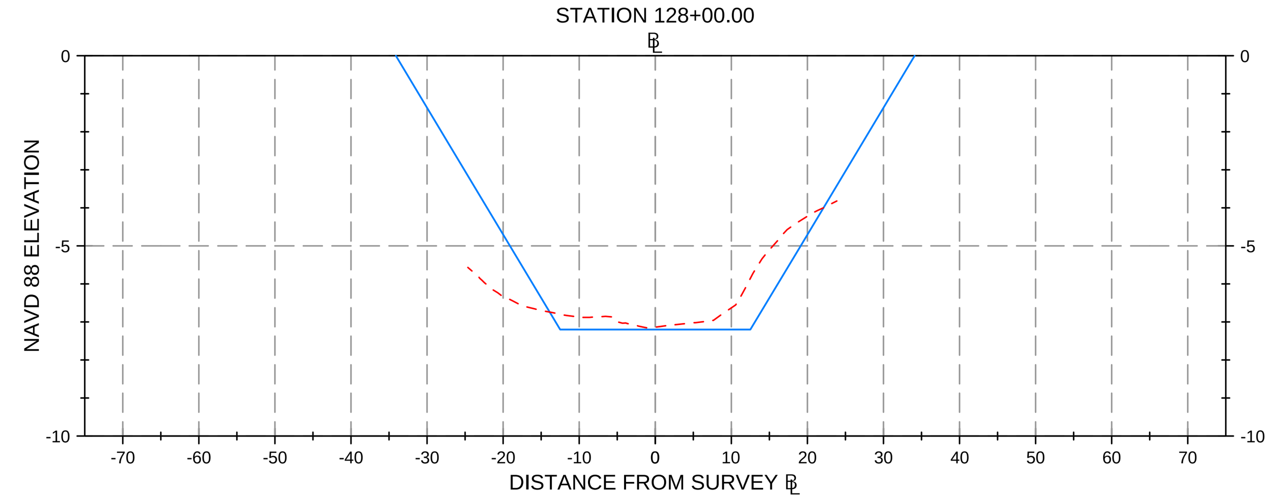

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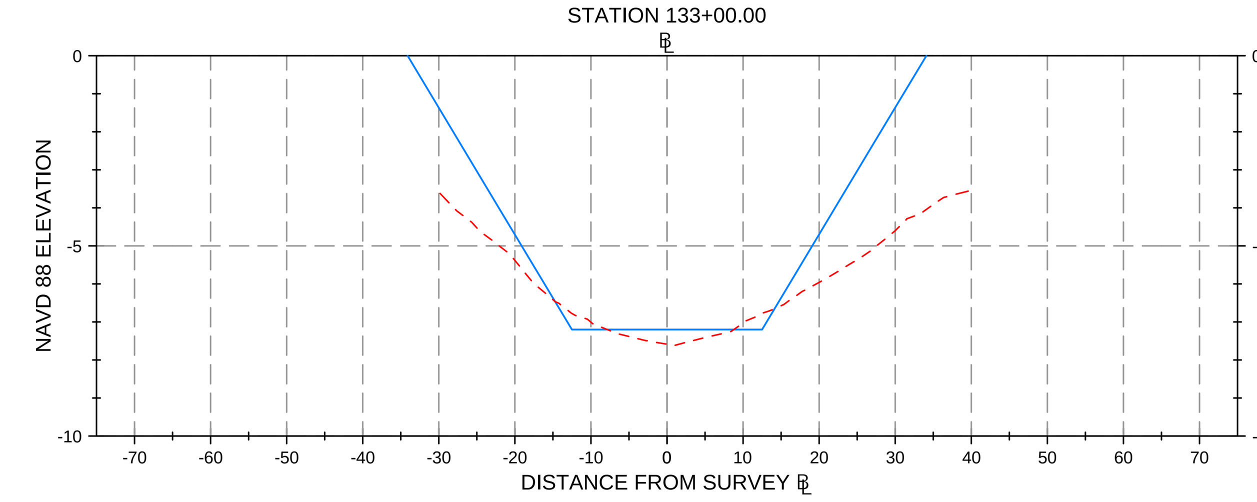

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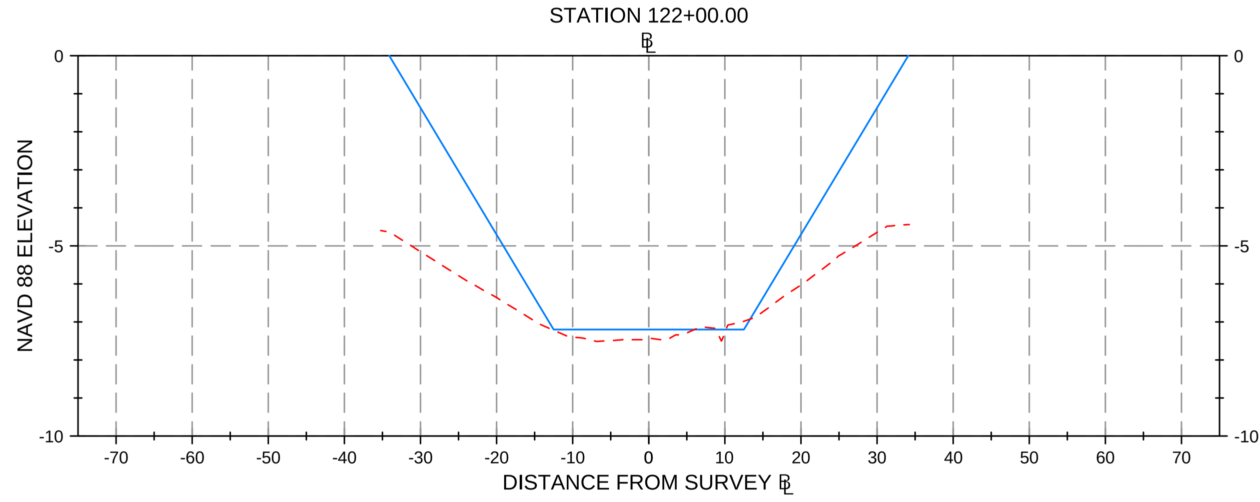

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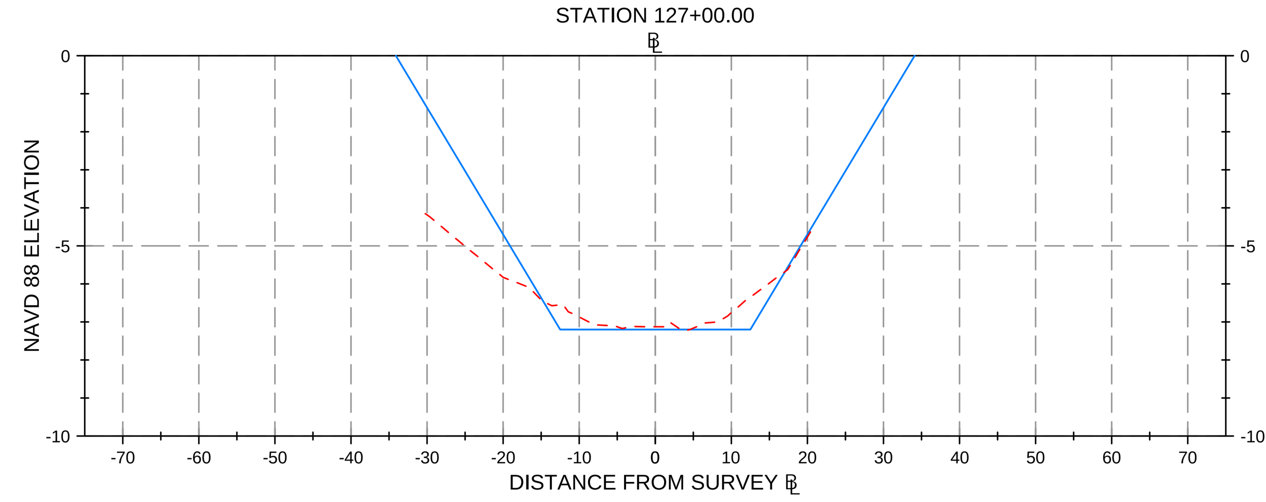

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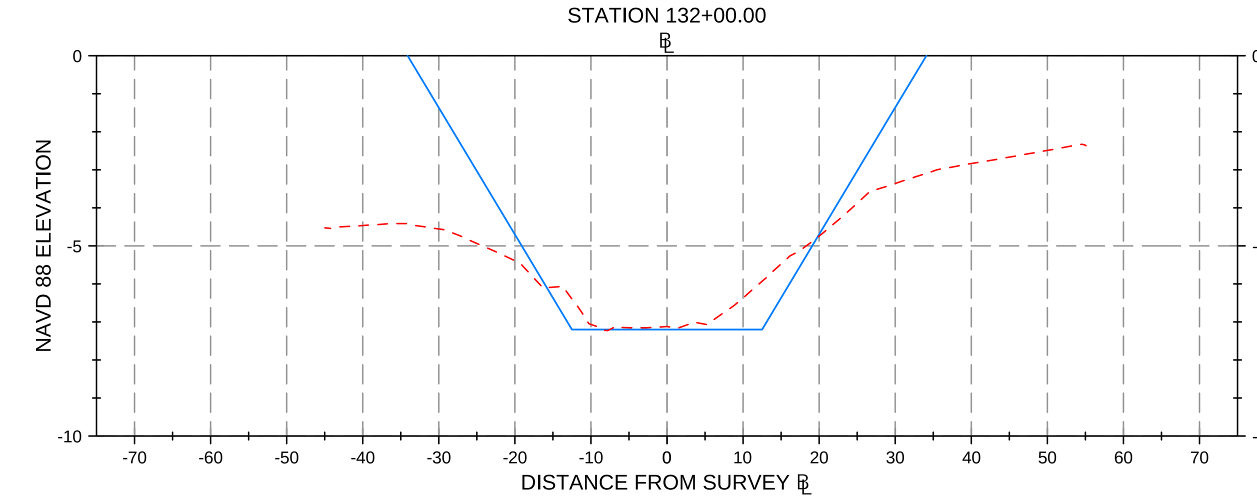

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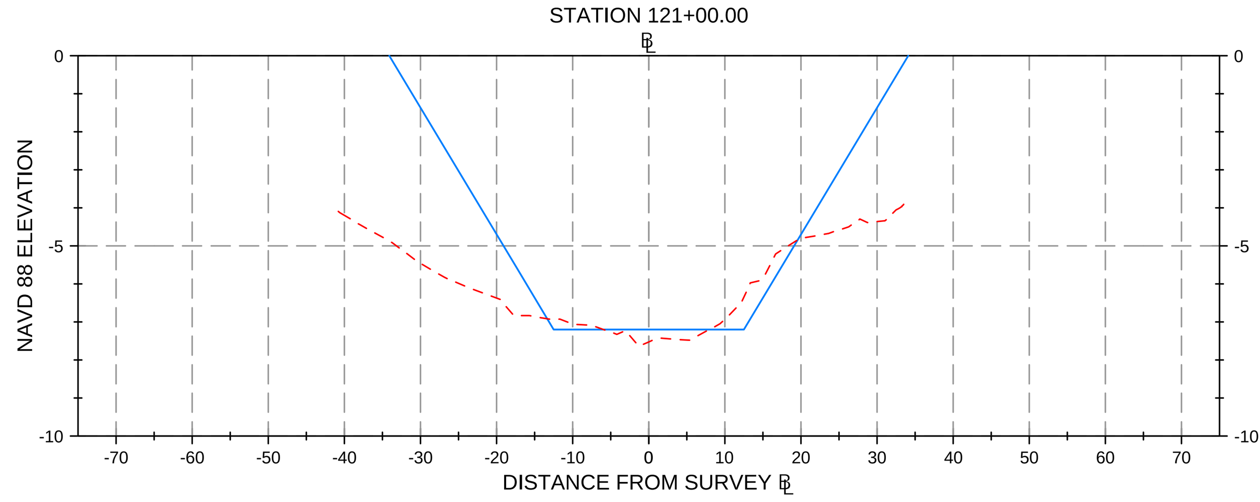

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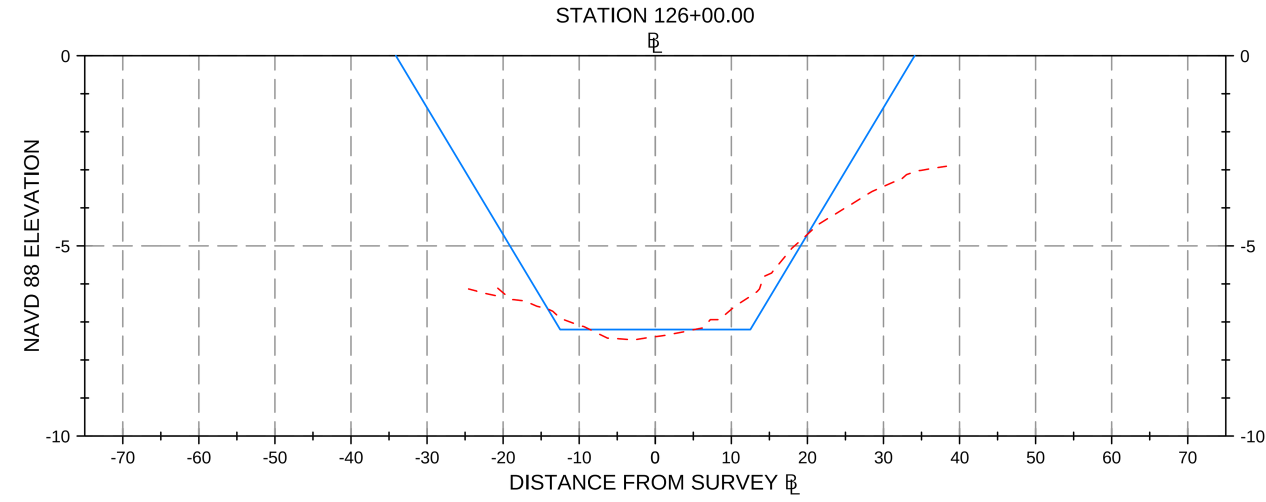

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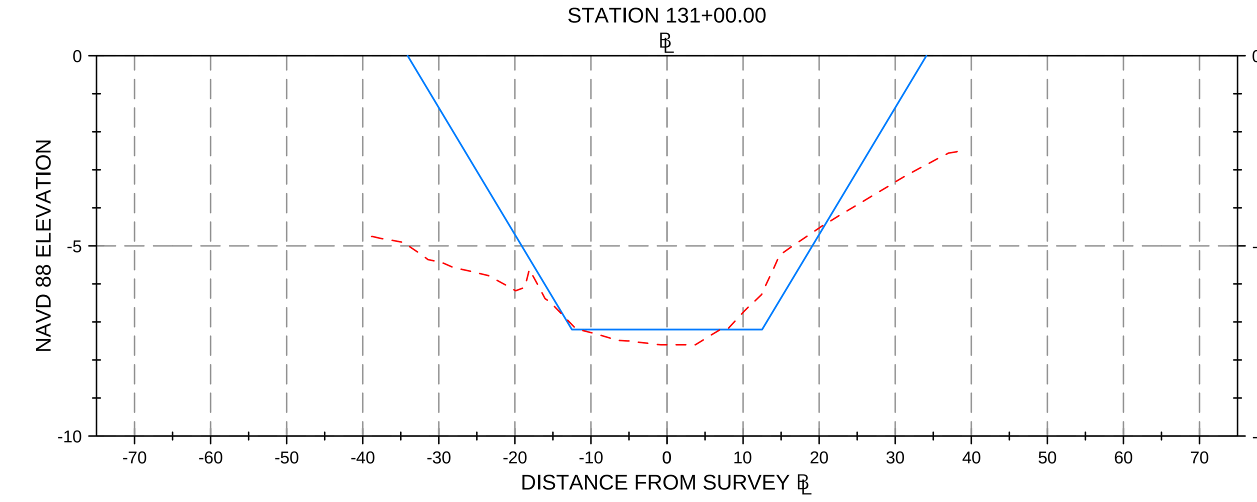

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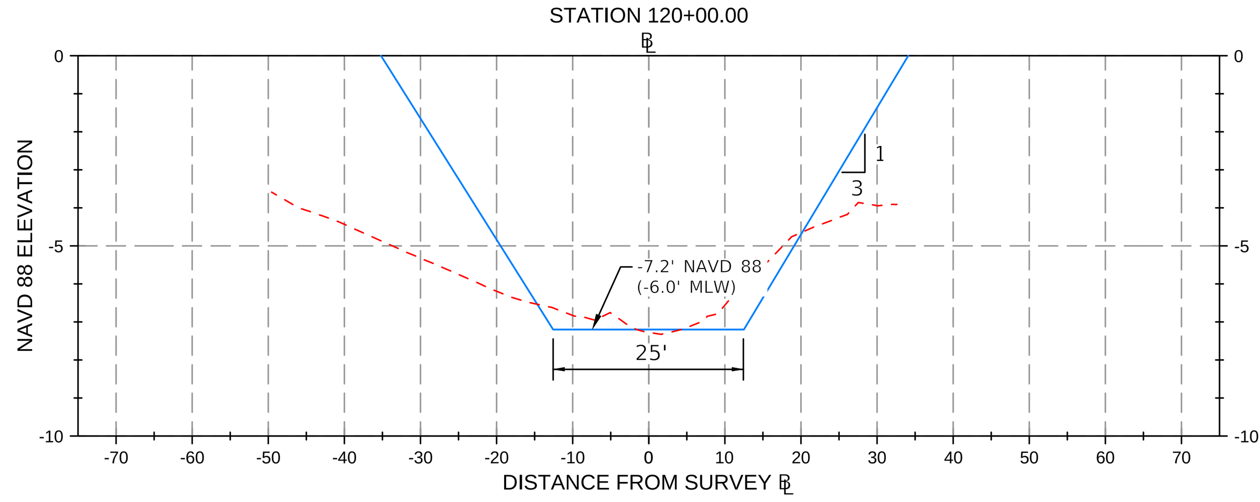

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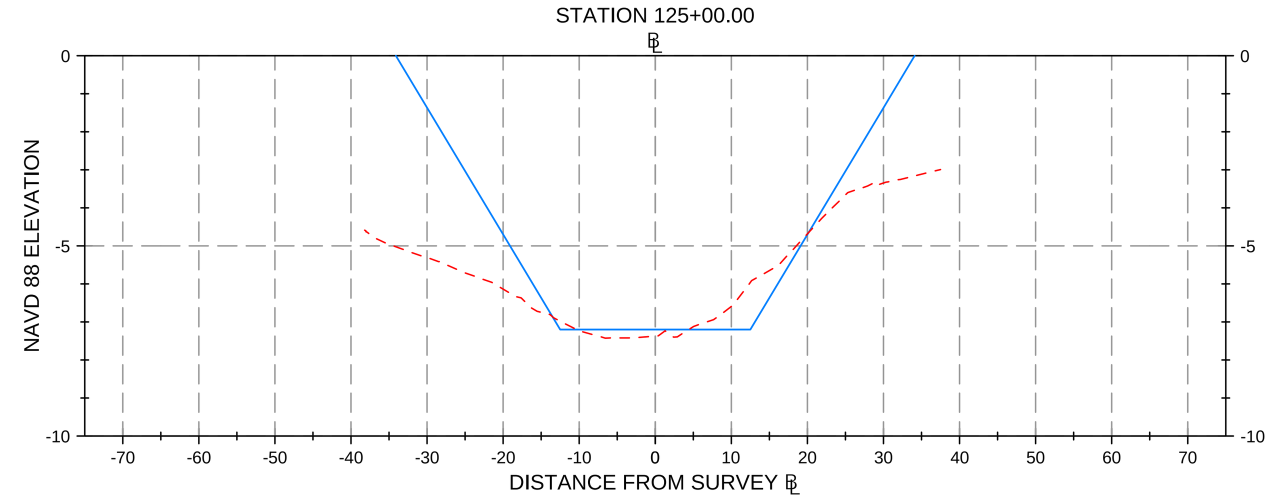

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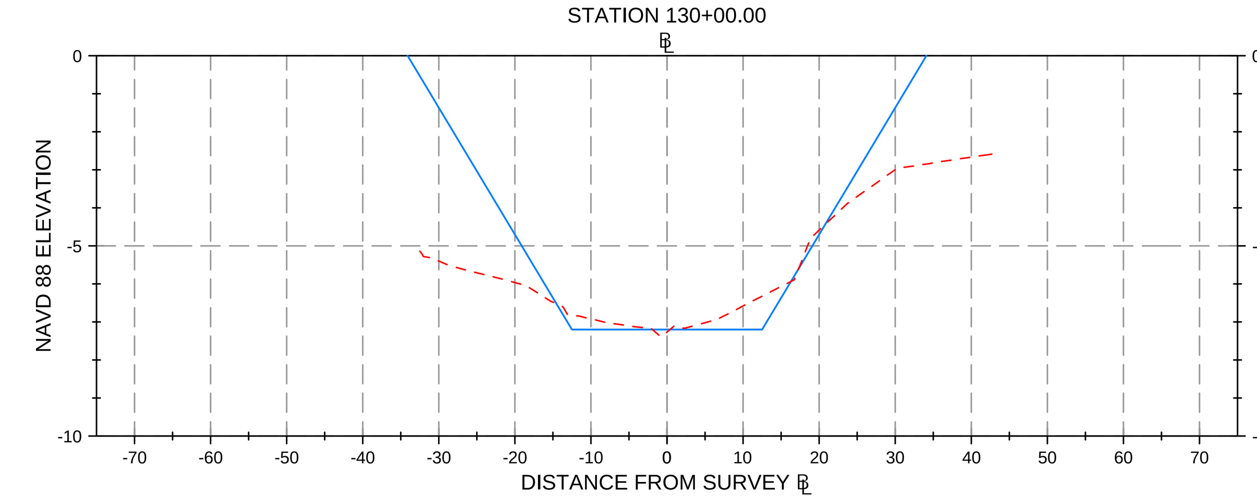

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FIELD BOOK: 1675 PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

DARREN TOWNSEND
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6476
NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

AIM Engineering & Surveying, Inc.
CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT
2261 FOWLER STREET, SUITE 100
FORT MYERS, FLORIDA 33901
www.aimengr.com
TOLL FREE 800-226-4569
PHONE 239-332-4569
CERTIFICATE OF AUTHORIZATION No. 3114

DRAWN: DB DATE: 07/20/2021 CHECKED: DT DATE: 07/27/2021

CLIENT: CHARLOTTE COUNTY

HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO: 21-1329 FILE NAME: 21-1329 ALLIGATOR
COUNTY: CHARLOTTE SECTION: 19,20,25,30 TOWNSHIP: 41 S RANGE: 23 E

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

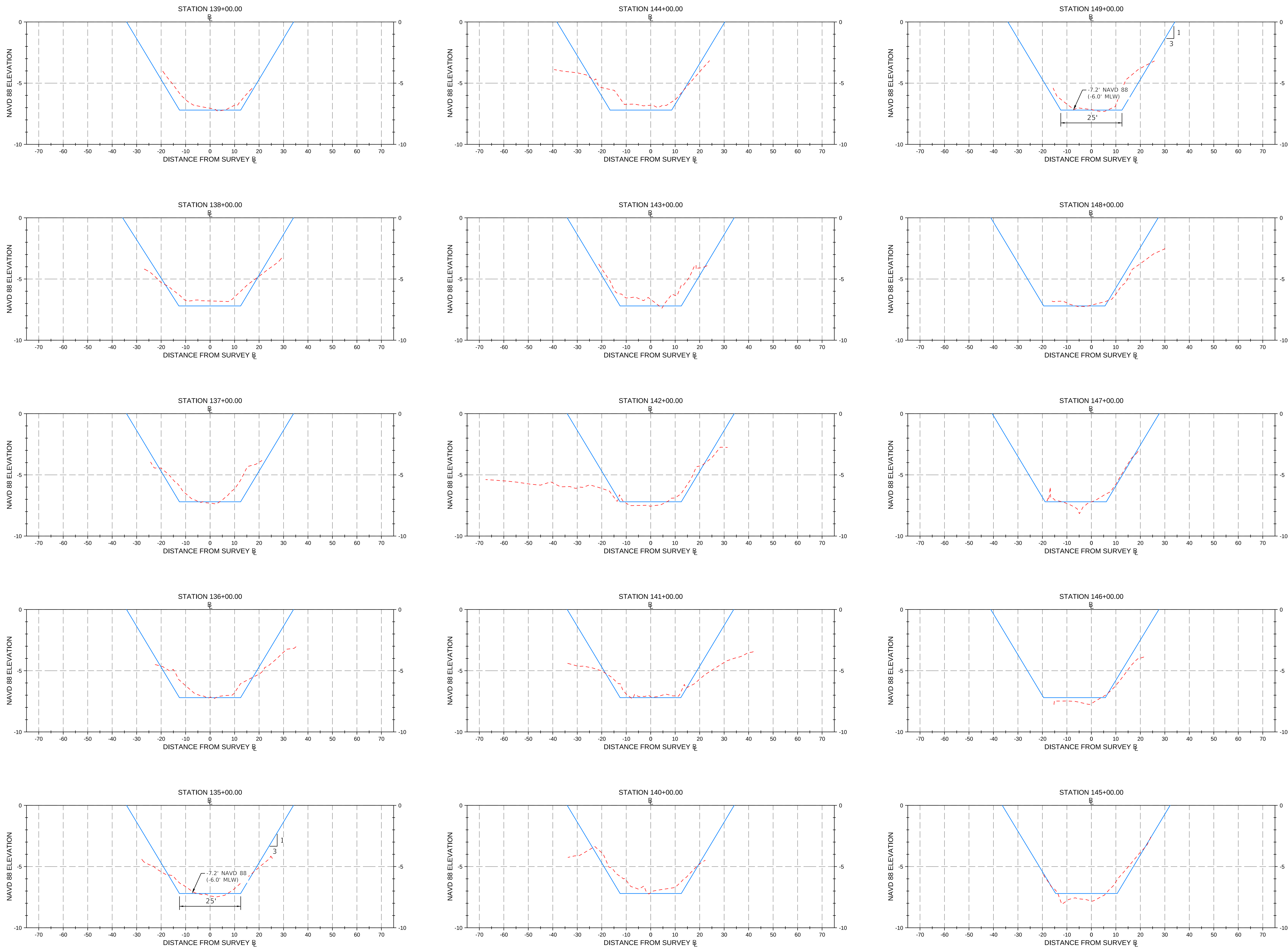
CHARLOTTE COUNTY, FLORIDA

SECTION SHEET LEGEND:

℄ = BASELINE
- - - - - = EXISTING BOTTOM SURFACE
——— = DREDGE TEMPLATE
MLW = MEAN LOW WATER
NAVD 88 = NORTH AMERICAN DATUM OF 1988

24"X36" FORMAT SCALE:
HORIZONTAL 1" = 20'
VERTICAL SCALE 1" = 4'

11"X17" FORMAT SCALE:
HORIZONTAL 1" = 40'
VERTICAL SCALE 1" = 8'



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FIELD BOOK: 1675 PAGE: 5-8,18,31

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HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO.:	FILE NAME:
21-1329	21-1329 ALLIGATOR

COUNTY:	SECTION:	TOWNSHIP:	RANGE:
CHARLOTTE	19,20,25,30	41 S	23 E

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

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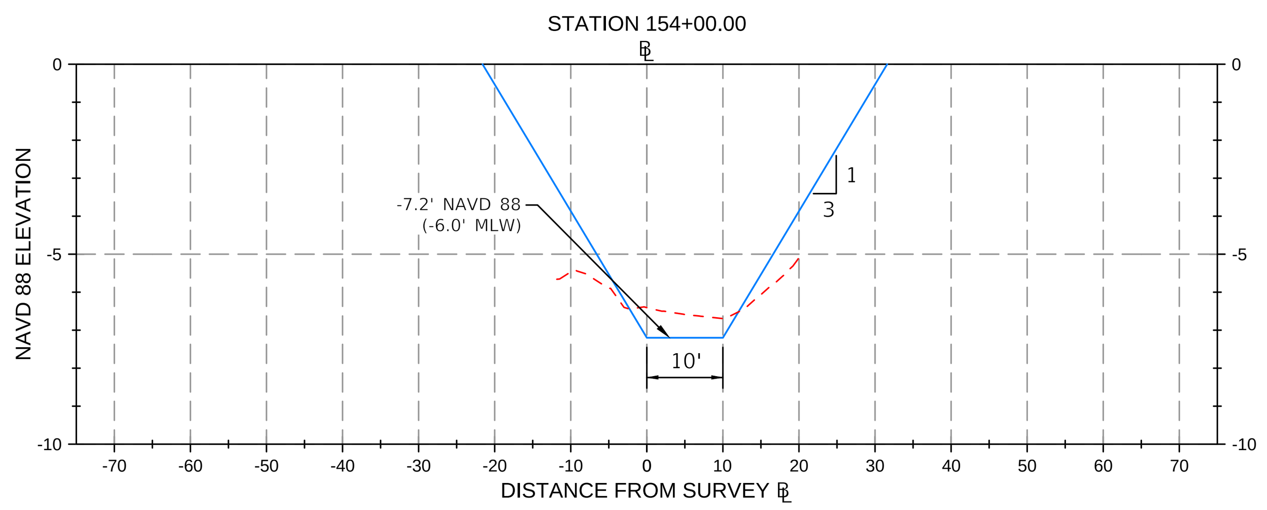

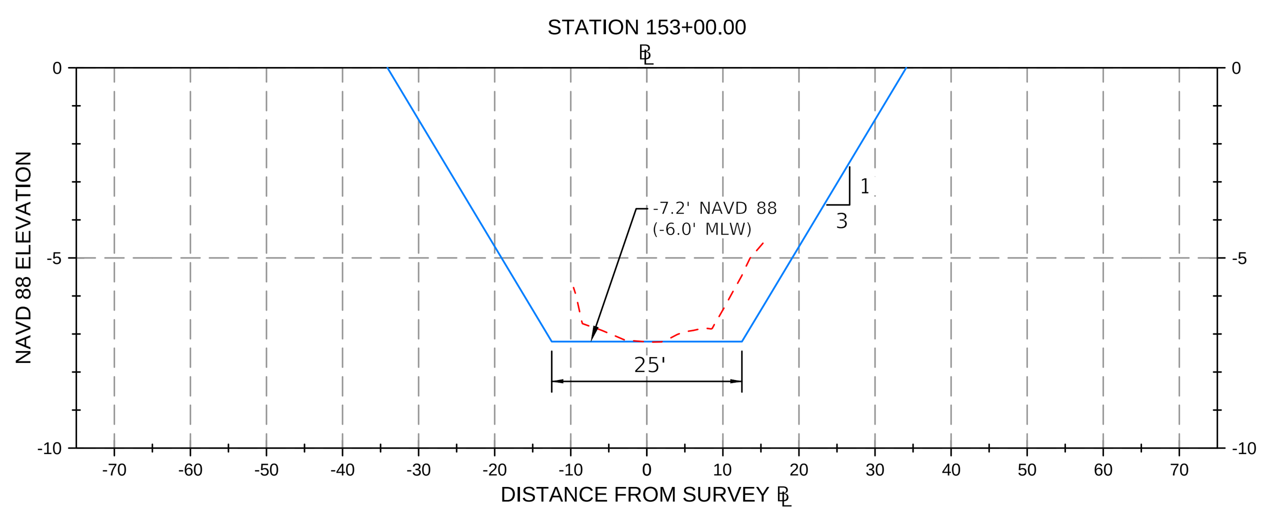

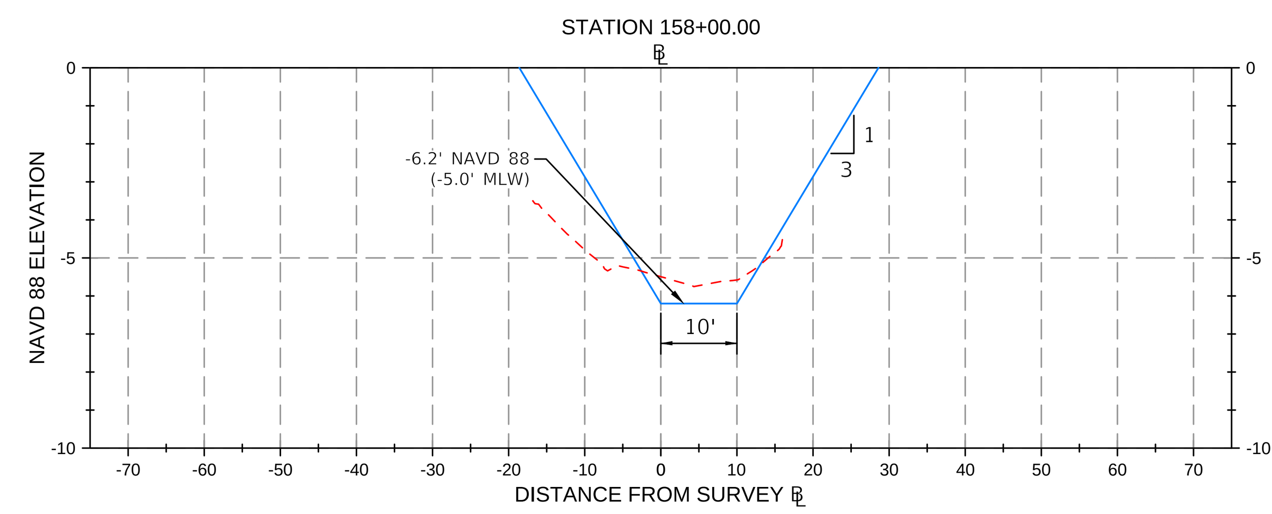

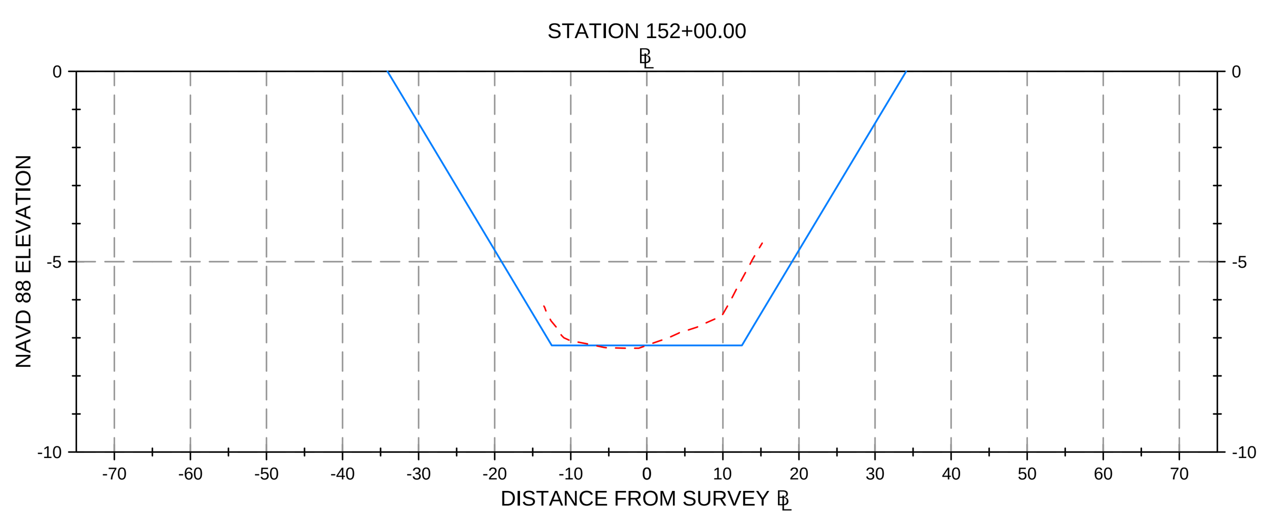

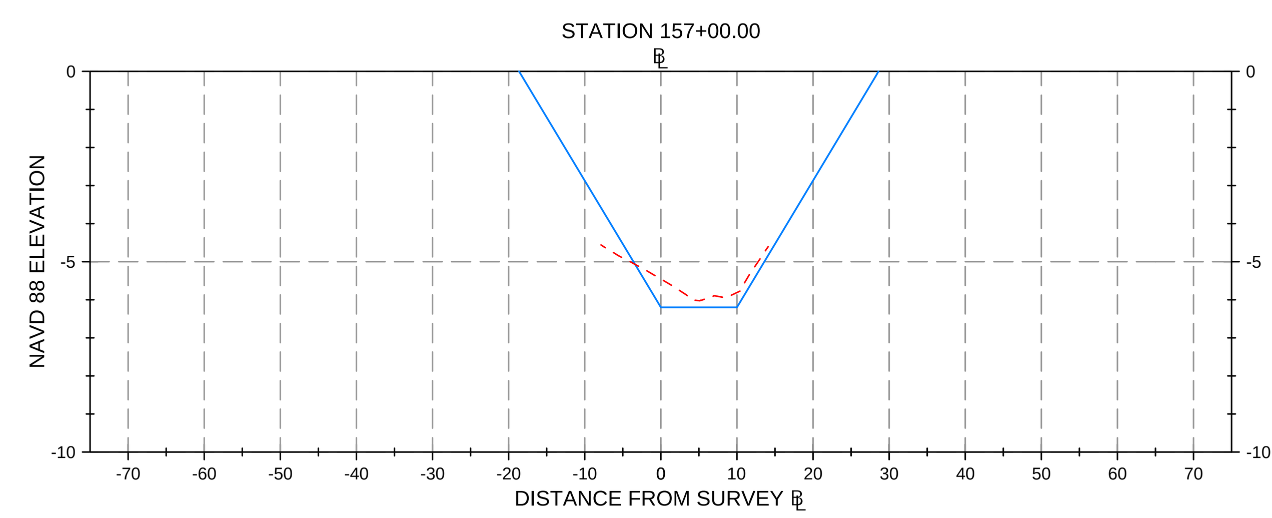

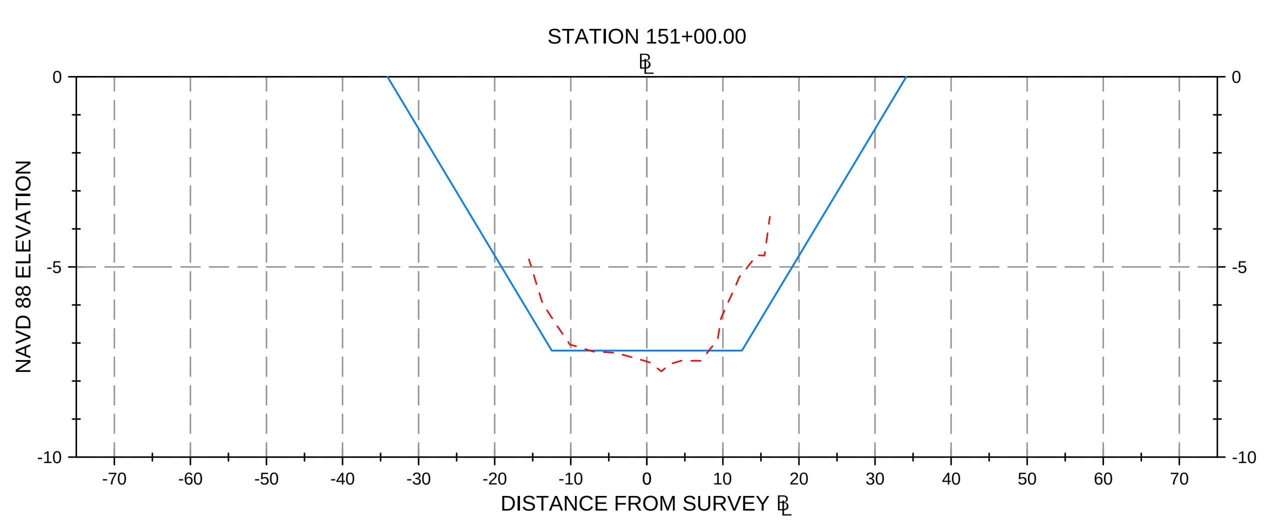

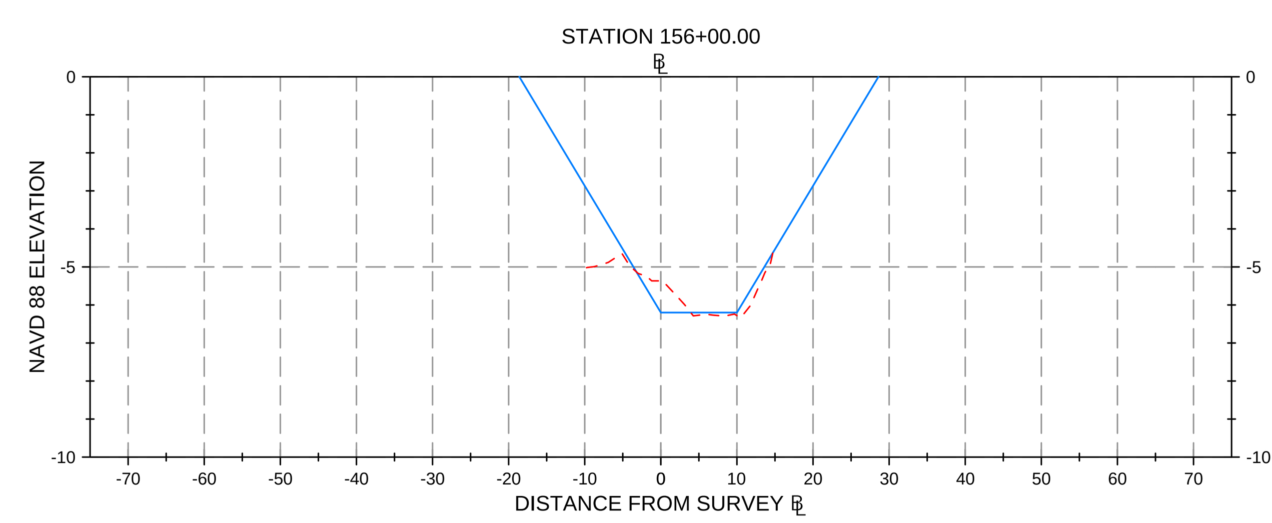

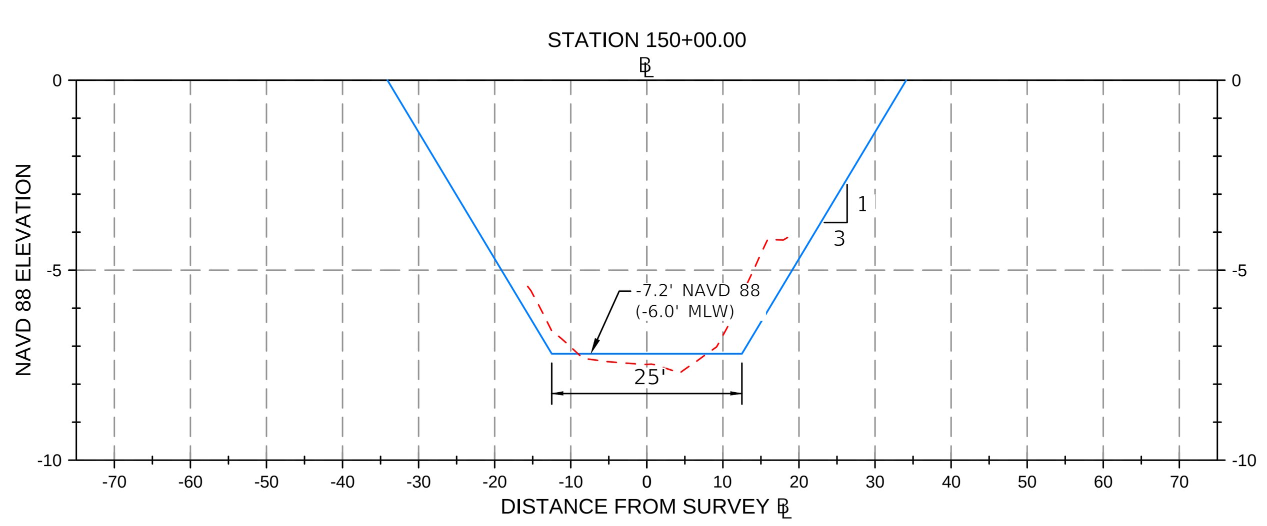

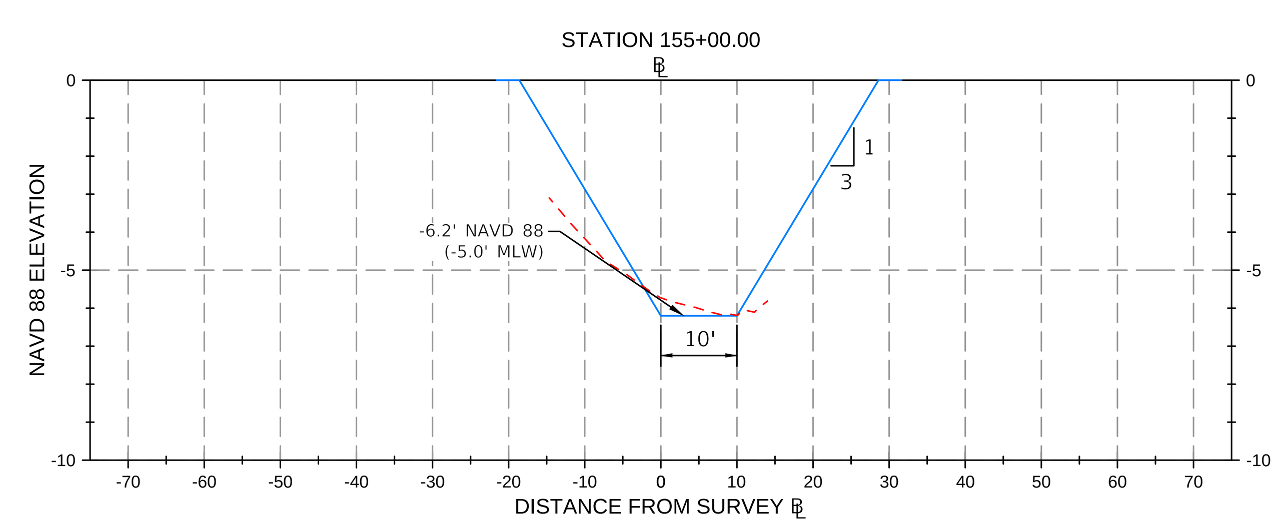

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FIELD BOOK: 1675 PAGE: 5-8,18,31

PROJECT NAME: ALLIGATOR CREEK

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

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CLIENT: CHARLOTTE COUNTY

HYDROGRAPHIC SURVEY
ALLIGATOR CREEK

PROJECT NO.: 21-1329 FILE NAME: 21-1329 ALLIGATOR
COUNTY: CHARLOTTE SECTION: 19,20,25,30 TOWNSHIP: 41 S RANGE: 23 E

SHEET 21 OF 22

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

SECTIONS 19, 20, 25 & 30, TOWNSHIP 41 SOUTH, RANGE 23 EAST

CHARLOTTE COUNTY, FLORIDA

STATION	DISTANCE (FT)	VOLUME (CY)
0+00	0	0
1+00	100	10
2+00	100	1
3+00	100	0
4+00	100	0
5+00	100	0
6+00	100	0
7+00	100	4
8+00	100	13
9+00	100	2
10+00	100	0
11+00	100	15
12+00	100	93
13+00	100	164
14+00	100	171
15+00	100	23
16+00	100	18
17+00	100	1
18+00	100	25
19+00	100	48
20+00	100	26
21+00	100	4
22+00	100	54
23+00	100	133
24+00	100	181
25+00	100	199
26+00	100	98
27+00	100	75
28+00	100	90
29+00	100	116
30+00	100	102
31+00	100	35
32+00	100	1
33+00	100	0
34+00	100	0
35+00	100	1
36+00	100	9
37+00	100	2
38+00	100	0
39+00	100	0
40+00	100	0
41+00	100	0
42+00	100	0
43+00	100	0
44+00	100	0
45+00	100	0
46+00	100	3
47+00	100	28
48+00	100	30
49+00	100	3
50+00	100	3
51+00	100	37
52+00	100	50

STATION	DISTANCE (FT)	VOLUME (CY)
53+00	100	32
54+00	100	22
55+00	100	25
56+00	100	27
57+00	100	27
58+00	100	18
59+00	100	9
60+00	100	20
61+00	100	8
62+00	100	17
63+00	100	14
64+00	100	4
65+00	100	1
66+00	100	0
67+00	100	0
68+00	100	0
69+00	100	13
70+00	100	441
71+00	100	17
72+00	100	25
73+00	100	2
74+00	100	0
75+00	100	18
76+00	100	5
77+00	100	2
78+00	100	1
79+00	100	0
80+00	100	4
81+00	100	12
82+00	100	1
83+00	100	32
84+00	100	64
85+00	100	60
86+00	100	39
87+00	100	15
88+00	100	0
89+00	100	15
90+00	100	44
91+00	100	14
92+00	100	13
93+00	100	69
94+00	100	152
95+00	100	27
96+00	100	6
97+00	100	41
98+00	100	31
99+00	100	57
100+00	100	56
101+00	100	23
102+00	100	22
103+00	100	51
104+00	100	93
105+00	100	59

STATION	DISTANCE (FT)	VOLUME (CY)
106+00	100	7
107+00	100	41
108+00	100	16
109+00	100	3
110+00	100	3
111+00	100	2
112+00	100	136
113+00	100	4
114+00	100	25
115+00	100	204
116+00	100	2
117+00	100	3
118+00	100	15
119+00	100	485
120+00	100	26
121+00	100	0
122+00	100	2
123+00	100	0
124+00	100	2
125+00	100	11
126+00	100	40
127+00	100	19
128+00	100	43
129+00	100	32
130+00	100	29
131+00	100	25
132+00	100	54
133+00	100	24
134+00	100	43
135+00	100	29
136+00	100	46
137+00	100	78
138+00	100	0
139+00	100	78
140+00	100	85
141+00	100	48
142+00	100	23
143+00	100	51
144+00	100	54
145+00	100	45
146+00	100	60
147+00	100	7
148+00	100	30
149+00	100	40
150+00	100	73
151+00	100	83
152+00	100	67
153+00	100	50
154+00	100	41
155+00	100	59
156+00	100	4
157+00	100	26
158+00	100	30
159+00	100	38
	TOTAL (CY)	**6057**

No.:	DATE:	BY:	REVISIONS:
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FIELD BOOK: 1675 PAGE: 5-8,18,31

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HYDROGRAPHIC SURVEY

ALLIGATOR CREEK

PROJECT NO.: 21-1329 FILE NAME: 21-1329 ALLIGATOR

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