

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA

**NOTES:**

1. THE PURPOSE OF THIS HYDROGRAPHIC SURVEY IS TO: A.) DOCUMENT THE CURRENT DEPTHS OF A PORTION OF THE GULF COVE WATERWAYS; B.) DETERMINE THE VOLUME OF MATERIAL IN THE SURVEYED CHANNEL THAT ARE ABOVE THE PERMITTED DREDGE DEPTH OF -5.2' NAVD 88 (-4.0' MLW), WITHIN THE PROJECT LIMITS. THE ELEVATIONS 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 "GULF COVE WATERWAYS BATHYMETRIC SURVEY" BY COASTAL ENGINEERING CONSULTANTS INC. SIGNED OCTOBER 3, 2023 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. 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 5769 A" (PID AG7765). THE CONVERSION BETWEEN MLW AND NAVD 88 (MLW = -1.2 NAVD 88) IS BASED ON THE TIDAL DATUM REPORT FOR TIDE STATION 872 5769 BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
7. BACKGROUND AERIAL IMAGERY FROM CHARLOTTE COUNTY WAS ACQUIRED IN 2023. 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 0.3' +/- . 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 HEREIN.
11. FIELD WORK PERFORMED ON OCTOBER 14TH, 2024 THROUGH MAY 7TH, 2025 AS RECORDED IN FIELD BOOK 1979 PAGES 29-31, 38, 40-41, FIELD BOOK 1997, PAGES 54-56 AND 60.
12. VOLUMES WERE CALCULATED IN AUTOCAD CIVIL 3D BY COMPARING THE DREDGE TEMPLATE AND A DIGITAL TERRAIN MODEL CREATED FROM BOTTOM ELEVATION DATA COLLECTED IN THE METHODS DESCRIBED ABOVE. SAID VOLUMES HAVE AN EXPECTED ACCURACY OF +/- 10%. PLEASE REFER TO VOLUME TABLES ON SHEETS 40 THROUGH 43 FOR DETAILS ON EXACT METHOD USED TO CALCULATE VOLUMES FOR EACH WATERWAY.

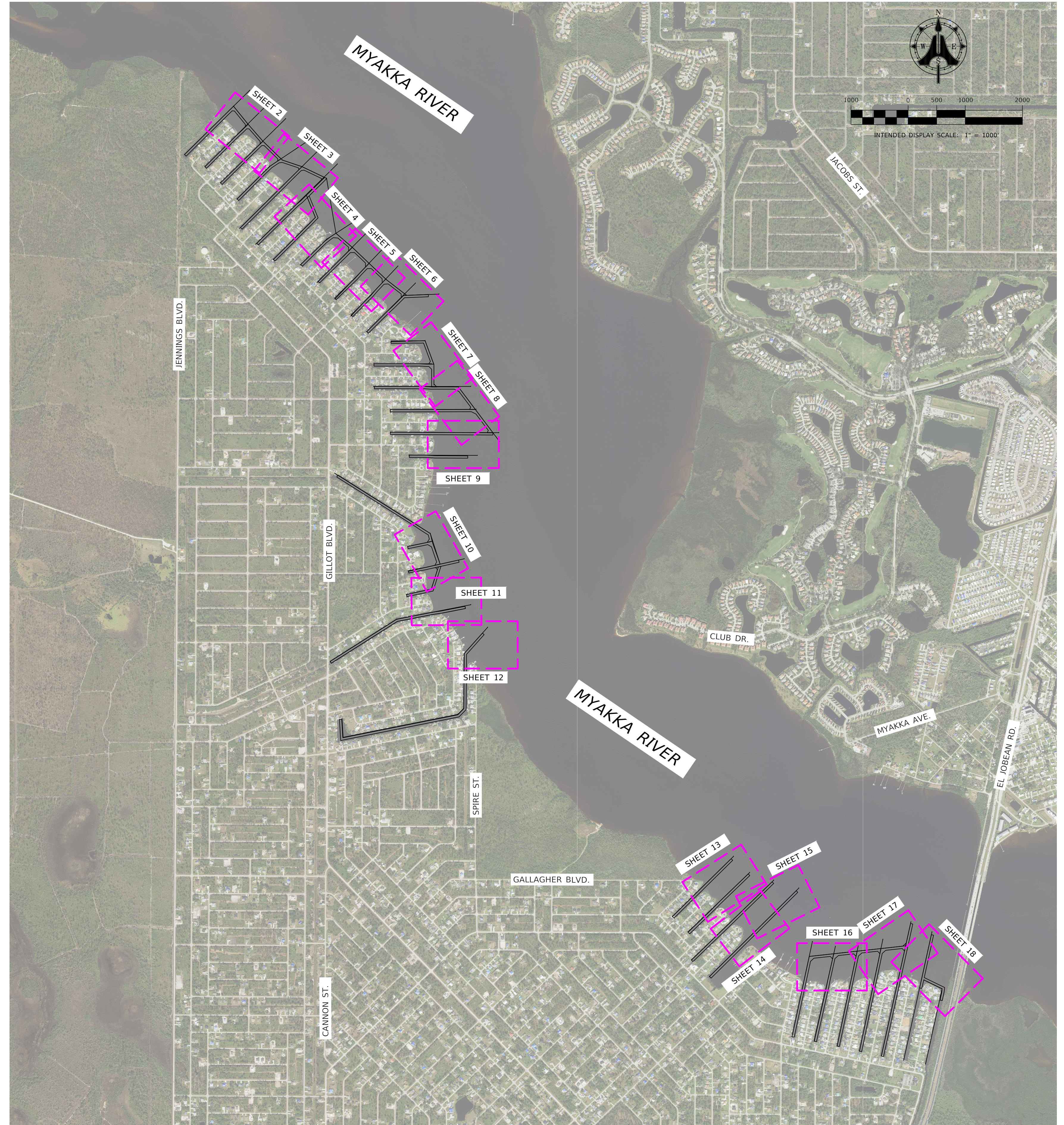
**SHEET INDEX:**

1. NOTES, LEGEND, VICINITY MAP
2. CHANNEL DETAILS B.O.S. STA. 100+00 TO STA. 111+00 ACCESS 1 WATERWAY, ANDERSON WATERWAY, CHILCOTE WATERWAY, PAPPAS WATERWAY
3. CHANNEL DETAILS STA. 110+00 TO STA. 122+00 ACCESS 1 WATERWAY, RISKEN WATERWAY, VANCE WATERWAY, HERRON WATERWAY, E.O.S. STA. 14+50 TO STA. 12+50 QUAIL WATERWAY
4. CHANNEL DETAILS B.O.S. STA. 10+00 TO STA. 13+50 HERRON WATERWAY, B.O.S. STA. 9+00 TO STA. 14+50 QUAIL WATERWAY, STA. 126+00 TO STA. 133+50 ACCESS 1 WATERWAY, DIXON WATERWAY
5. CHANNEL DETAILS STA. 133+00 TO STA. 144+00 ACCESS 1 WATERWAY, KLASS WATERWAY, CURRY WATERWAY, STONE WATERWAY
6. CHANNEL DETAILS STA. 141+00 TO E.O.S. STA. 152+00 ACCESS 1 WATERWAY, STONE WATERWAY, MAUCK WATERWAY
7. CHANNEL DETAILS PAAR WATERWAY, COLE WATERWAY, B.O.S. STA. 9+00 TO 16+00 MINOT WATERWAY, B.O.S. STA. 200+00 TO STA. 200+50 ACCESS 2 WATERWAY
8. CHANNEL DETAILS B.O.S. STA. 9+00 TO STA. 15+50 MINOT WATERWAY, B.O.S. STA. 200+00 TO STA. 208+00 ACCESS 2 WATERWAY, QUINLAN WATERWAY, STA. 9+50 TO STA. 14+50 KROME WATERWAY
9. CHANNEL DETAILS STA. 208+00 TO E.O.S. STA. 211+00 ACCESS 2 WATERWAY, B.O.S. STA. 17+00 TO STA. 18+50 KROME WATERWAY, STA. 3+50 TO E.O.S. STA. 11+00 PRATHER WATERWAY
10. CHANNEL DETAILS BLITMAN WATERWAY, FOX WATERWAY, JOVE WATERWAY, STA. 5+00 TO E.O.S. STA. 8+50 RAN WATERWAY
11. CHANNEL DETAILS B.O.S. STA. 3+00 TO STA. 6+50 RAN WATERWAY, MITCHELL WATERWAY
12. CHANNEL DETAILS 41+00 BACCHUS WATERWAY
13. CHANNEL DETAILS DUPRELL WATERWAY, ACKLEY WATERWAY
14. CHANNEL DETAILS B.O.S. STA. 9+00 TO STA. 16+00 CONDADO WATERWAY, B.O.S. STA. 7+00 TO STA. 16+00 LATHAM WATERWAY
15. CHANNEL DETAILS STA. 13+50 TO E.O.S. STA. 20+00 CONDADO WATERWAY, STA. 11+50 TO E.O.S. STA. 22+00 LATHAM WATERWAY
16. CHANNEL DETAILS FLEMING WATERWAY, BOYLE WATERWAY, COOPER WATERWAY, B.O.S. STA. 300+00 TO STA. 310+00 ACCESS 3 WATERWAY
17. CHANNEL DETAILS STA. 309+50 TO E.O.S. STA. 317+00 ACCESS 3 WATERWAY, FORBES WATERWAY, NEVILLE WATERWAY
18. CHANNEL DETAILS STA. 13+00 TO E.O.S. STA. 23+00 CONNER WATERWAY, EARLY WATERWAY
19. CHANNEL SECTIONS ACCESS 1 @ STA. 100+00 TO STA. 117+00
20. CHANNEL SECTIONS ACCESS 1 @ STA. 117+50 TO STA. 143+50
21. CHANNEL SECTIONS ACCESS 1 @ STA. 144+00 TO STA. 151+70, ANDERSON @ STA. 9+44 TO STA. 11+56, CHILCOTE @ STA. 8+42 TO STA. 10+13
22. CHANNEL SECTIONS PAPPAS @ STA. 8+56 TO STA. 9+94, RISKEN @ STA. 7+87 TO STA. 9+95, VANCE @ STA. 10+72 TO STA. 14+82, HERRON @ STA. 10+31 TO STA. 13+00
23. CHANNEL SECTIONS HERRON @ STA. 13+50 TO STA. 16+19, QUAIL @ STA. 9+52 TO STA. 14+10, DIXON @ STA. 6+57 TO STA. 7+87, KLASS @ STA. 5+66 TO STA. 8+17
24. CHANNEL SECTIONS CURRY @ STA. 5+29 TO STA. 8+06, STONE @ STA. 5+42 TO STA. 8+36, MAUCK @ STA. 5+41 TO STA. 8+00
25. CHANNEL SECTIONS MAUCK @ STA. 8+50 TO STA. 8+91, PAAR @ STA. 3+99 TO STA. 13+90
26. CHANNEL SECTIONS COLE @ STA. 7+88 TO STA. 9+85, MINOT @ STA. 9+22 TO STA. 14+80, ACCESS 2 @ STA. 200+00 TO STA. 206+50
27. CHANNEL SECTIONS ACCESS 2 @ STA. 207+50 TO STA. 209+60, QUINLAN @ STA. 7+00 TO STA. 14+20, KROME @ STA. 7+41 TO STA. 10+00
28. CHANNEL SECTIONS KROME @ STA. 10+50 TO STA. 18+54, PRATHER @ STA. 3+46 TO STA. 9+50
29. CHANNEL SECTIONS PRATHER @ STA. 10+00 TO STA. 10+81, BLITMAN @ STA. 17+17 TO STA. 25+00
30. CHANNEL SECTIONS FOX @ STA. 1+57 TO STA. 3+82, JOVE @ STA. 2+63 TO STA. 9+52, RAN @ STA. 3+48 TO STA. 6+00
31. CHANNEL SECTIONS RAN @ STA. 6+50 TO STA. 8+21, MITCHELL @ STA. 19+48 TO STA. 26+56, BACCHUS @ STA. 34+34 TO STA. 37+00
32. CHANNEL SECTIONS BACCHUS @ STA. 37+50 TO STA. 40+20, DUPRELL @ STA. 7+03 TO STA. 14+94, ACKLEY @ STA. 6+46 TO STA. 9+00
33. CHANNEL SECTIONS ACKLEY @ STA. 9+50 TO STA. 15+00, CONDADO @ STA. 9+31 TO STA. 19+00
34. CHANNEL SECTIONS CONDADO @ STA. 19+50 TO STA. 20+00, LATHAM @ STA. 8+03 TO STA. 21+50
35. CHANNEL SECTIONS LATHAM @ STA. 22+00, ACCESS 3 @ STA. 300+00 TO STA. 313+50
36. CHANNEL SECTIONS ACCESS 3 @ STA. 314+00 TO STA. 316+49, FLEMING @ STA. 9+71 TO STA. 14+30, BOYLE @ STA. 9+48 TO STA. 15+27
37. CHANNEL SECTIONS COOPER @ STA. 10+00 TO STA. 16+67, FORBES @ STA. 12+20 TO STA. 17+94
38. CHANNEL SECTIONS NEVILLE @ STA. 14+41 TO STA. 24+00, CONNER @ STA. 13+31 TO STA. 19+50
39. CHANNEL SECTIONS CONNER @ STA. 20+00 TO STA. 22+51, EARLY @ STA. 12+82 TO STA. 17+00
40. VOLUME TABLES: ACCESS 1 WATERWAY, ANDERSON WATERWAY, CHILCOTE WATERWAY, PAPPAS WATERWAY, RISKEN WATERWAY, VANCE WATERWAY, HERRON WATERWAY, QUAIL WATERWAY, DIXON WATERWAY
41. VOLUME TABLES: KLASS WATERWAY, CURRY WATERWAY, STONE WATERWAY, MAUCK WATERWAY, PAAR WATERWAY, COLE WATERWAY, MINOT WATERWAY, ACCESS 2 WATERWAY, QUINLAN WATERWAY, KROME WATERWAY, PRATHER WATERWAY
42. VOLUME TABLES: BLITMAN WATERWAY, FOX WATERWAY, JOVE WATERWAY, RAN WATERWAY, MITCHELL WATERWAY, BACCHUS WATERWAY, DUPRELL WATERWAY, ACKLEY WATERWAY, CONDADO WATERWAY
43. VOLUME TABLES: LATHAM WATERWAY, ACCESS 3 WATERWAY, FLEMING WATERWAY, BOYLE WATERWAY, COOPER WATERWAY, FORBES WATERWAY, NEVILLE WATERWAY, CONNER WATERWAY, EARLY WATERWAY

**LEGEND:**

- B = BASELINE
- B.O.S. = BEGINNING OF SURVEY
- CY = CUBIC YARDS
- DIST. = DISTANCE
- E = EASTING COORDINATE
- E.O.S. = END OF SURVEY
- EQ. = EQUATION
- FT. = FEET
- 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
- VOL. = VOLUME

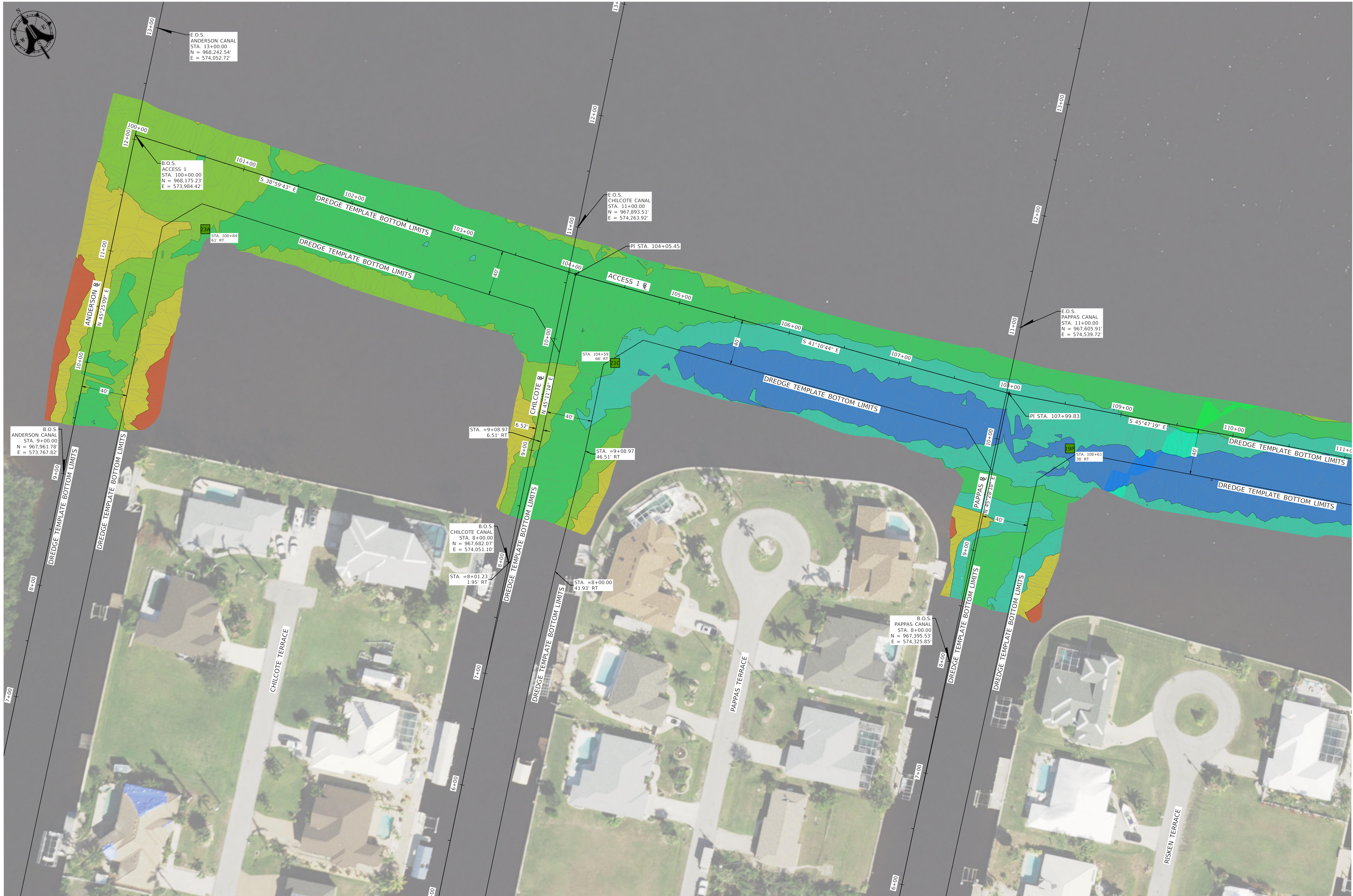
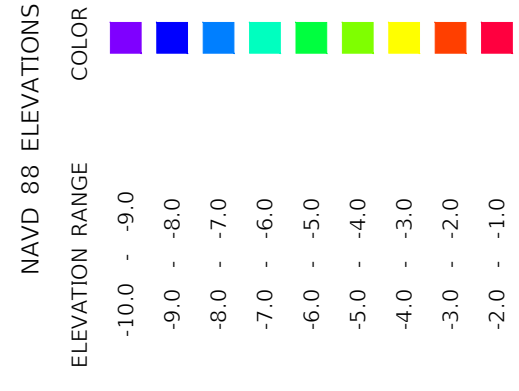
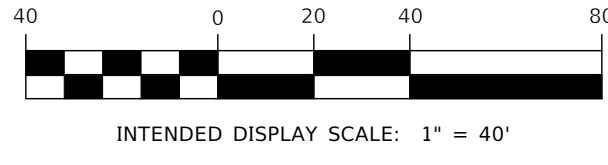
= CHANNEL MARKERS



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|  |  | <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL • SANITARY • TRANSPORTATION • DEVELOPMENT • PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |  | CLIENT: CHARLOTTE COUNTY |  |
| PROJECT NAME:<br>W08 322 PRE-STORM BATHYMETRIC SURVEYS   |  | PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  |  | DATE: 05/09/2025         |  |
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| FIELD BOOK: SEE NOTE 11  |  | CHECKED:  |  | RH:                      |  |
| PROJECT NO.: 24-1940_PHS07   |  | SHEET: 1  |  | E                        |  |
| COUNTY: CHARLOTTE  |  | RANGE: S  |  | OF 43                    |  |

# HYDROGRAPHIC SURVEY

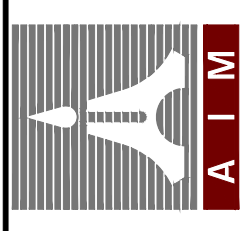
GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



SEE SHEET 3

HYDROGRAPHIC SURVEY  
GULF COVE WATERWAYS

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| PROJECT NO. | FILE NAME     |
| 24-1940     | 24-1940_PHS07 |
| COUNTY      | TOWNSHIP      |
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| 43          |               |



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CLIENT: CHARLOTTE COUNTY  
 DRAWN: RH  
 DATE: 04/21/2025  
 CHECKED: DT  
 DATE: 05/09/2025

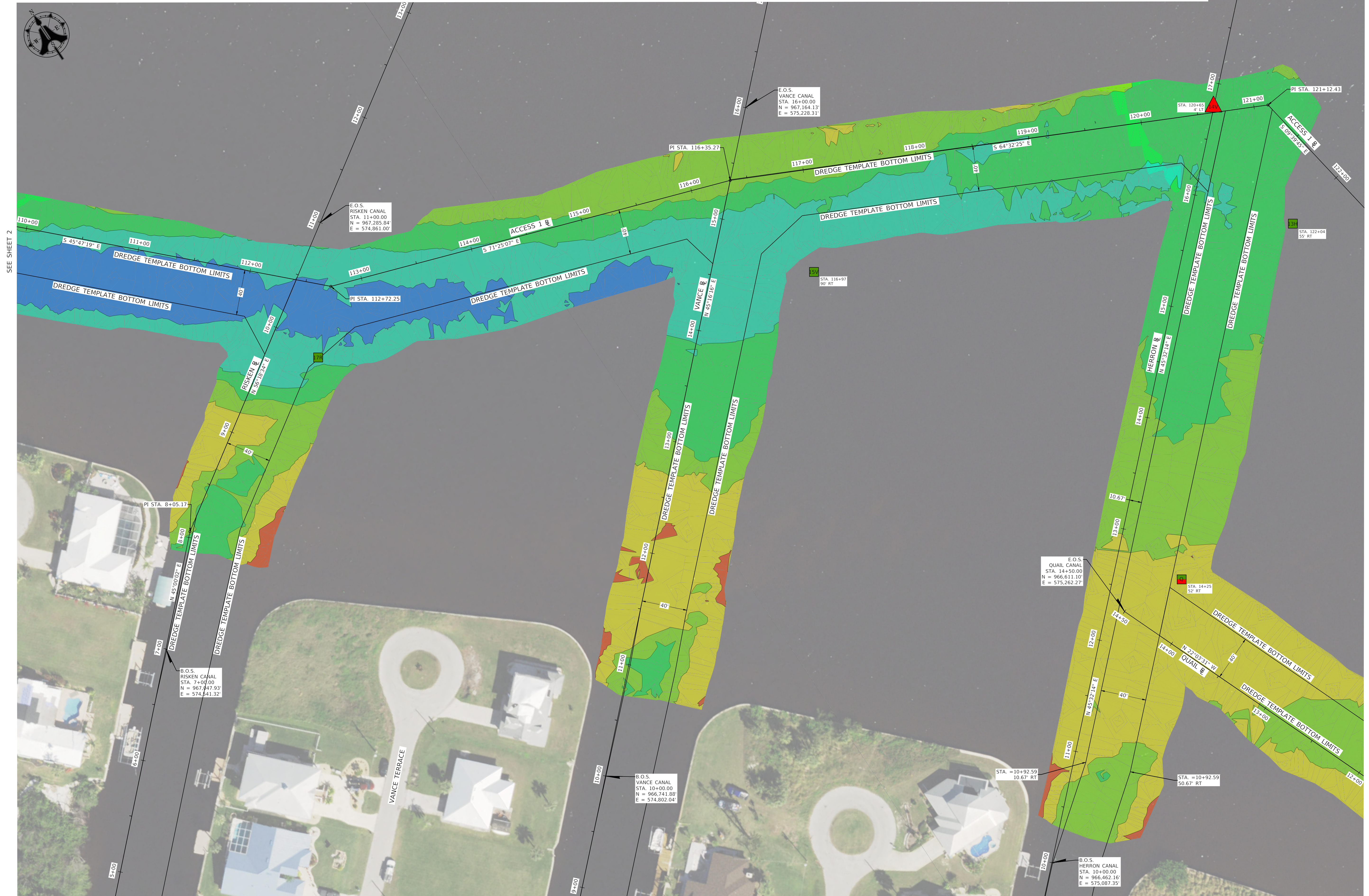
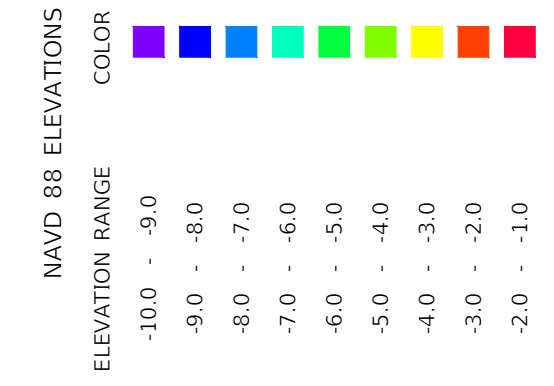
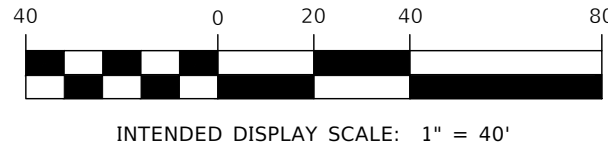
PROJECT NAME: W0# 322 PRE-STORM BATHYMETRIC SURVEYS  
 PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  
 SEE SHEET 1  
 DARRIN TOWNSEND  
 PROFESSOR OF SURVEYING  
 FLORIDA CERTIFICATE NO. 6676

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# HYDROGRAPHIC SURVEY

GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



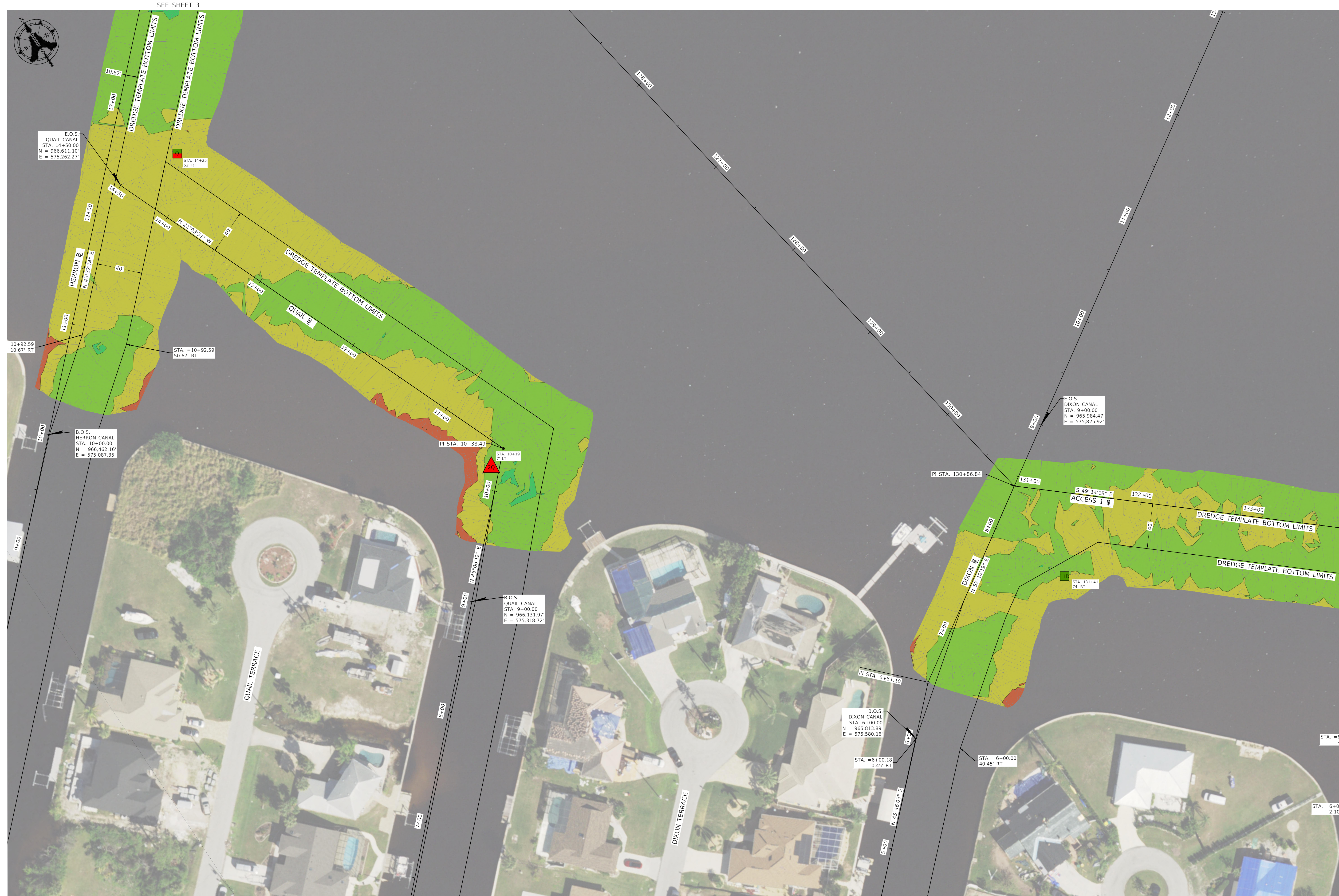
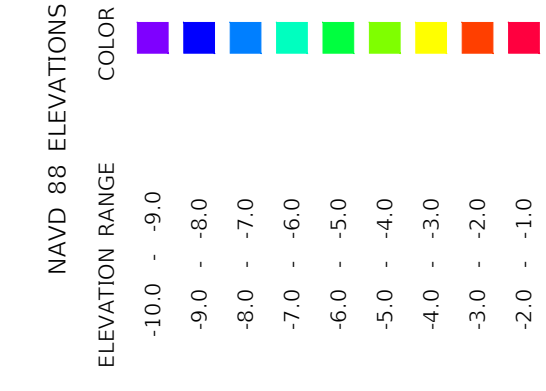
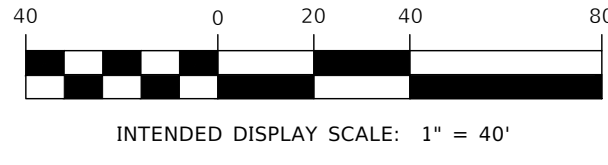
SEE SHEET 2

SEE SHEET 4

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| <b>HYDROGRAPHIC SURVEY</b><br>GULF COVE WATERWAYS  |   | PROJECT NO.: 24-1940<br>COUNTY: CHARLOTTE<br>SHEET: 3<br>OF: 43   |
| <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT WHEELS, FLORIDA 33801<br>www.aimengr.com |   | CLIENT: CHARLOTTE COUNTY  |
| DRAWN: RH<br>CHECKED: DT<br>DATE: 04/21/2025<br>DT: 05/09/2025   | CERTIFICATE OF AUTHORIZATION No. 3114<br>TOLL FREE 800-376-4669<br>PHONE 239-332-4669<br>FAX 239-332-4669 |   |
| PROJECT NAME:<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS   |   | ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE APPROVED BY THE PROJECT ENGINEER & SURVEYING, INC. IS PROHIBITED. |
| PREPARED BY: AIM ENGINEERING & SURVEYING, INC.<br>DARREN TOWNSEND<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. 6676   |   | FIELD BOOK: SEE NOTE 11   |
| REVISIONS:   |   | NO. DATE BY:  |
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# HYDROGRAPHIC SURVEY

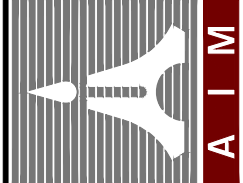
GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



SEE SHEET 5

HYDROGRAPHIC SURVEY  
GULF COVE WATERWAYS

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| PROJECT NO. | 24-1940   |
| COUNTY      | CHARLOTTE |
| SECTION     |           |
| TOWNSHIP    | S         |
| RANGE       | E         |
| SHEET       | 4         |
| OF          | 43        |



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| CLIENT  | CHARLOTTE COUNTY |
| DRAWN   | RH               |
| DATE    | 04/21/2025       |
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| DATE    | 05/09/2025       |

CERTIFICATE OF AUTHORIZATION No. 3114

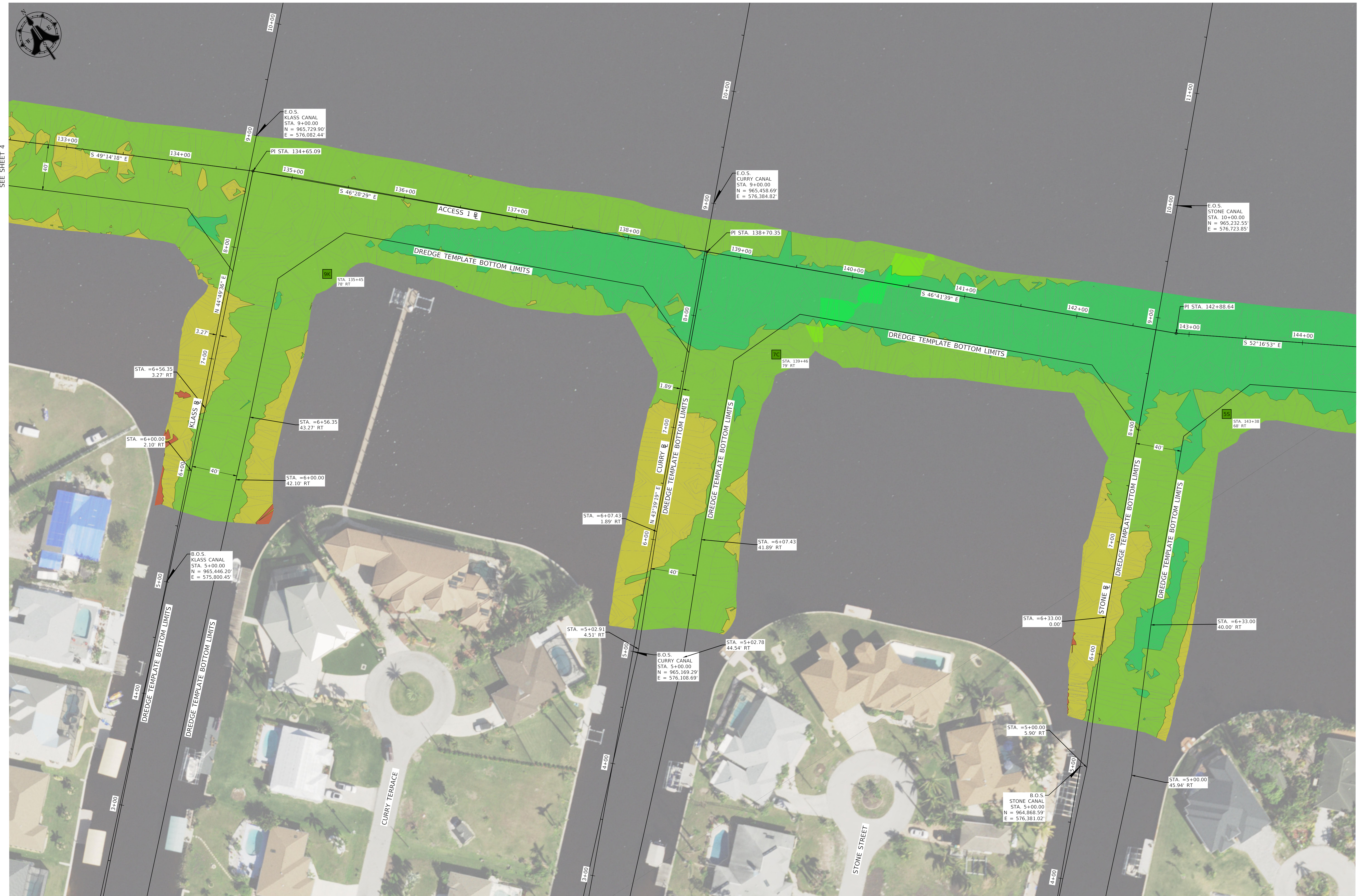
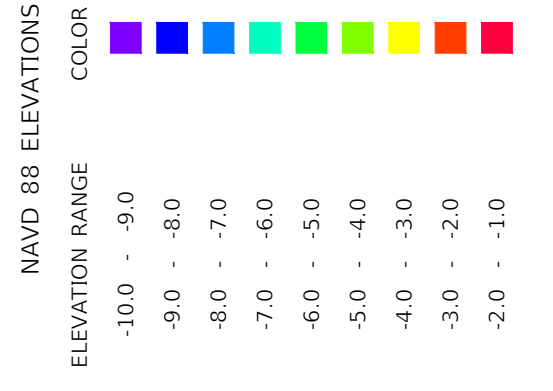
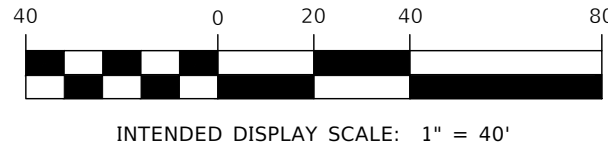
PROJECT NAME  
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PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  
SEE SHEET 1  
DARREN TOWNSEND  
PROFESSOR OF SURVEYING  
FLORIDA CERTIFICATE NO. PA 6676

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# HYDROGRAPHIC SURVEY

GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA

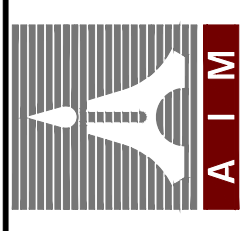


SEE SHEET 4

SEE SHEET 6

HYDROGRAPHIC SURVEY  
GULF COVE WATERWAYS

PROJECT NO. 24-1940  
COUNTY: CHARLOTTE  
SHEET: 5  
OF: 43



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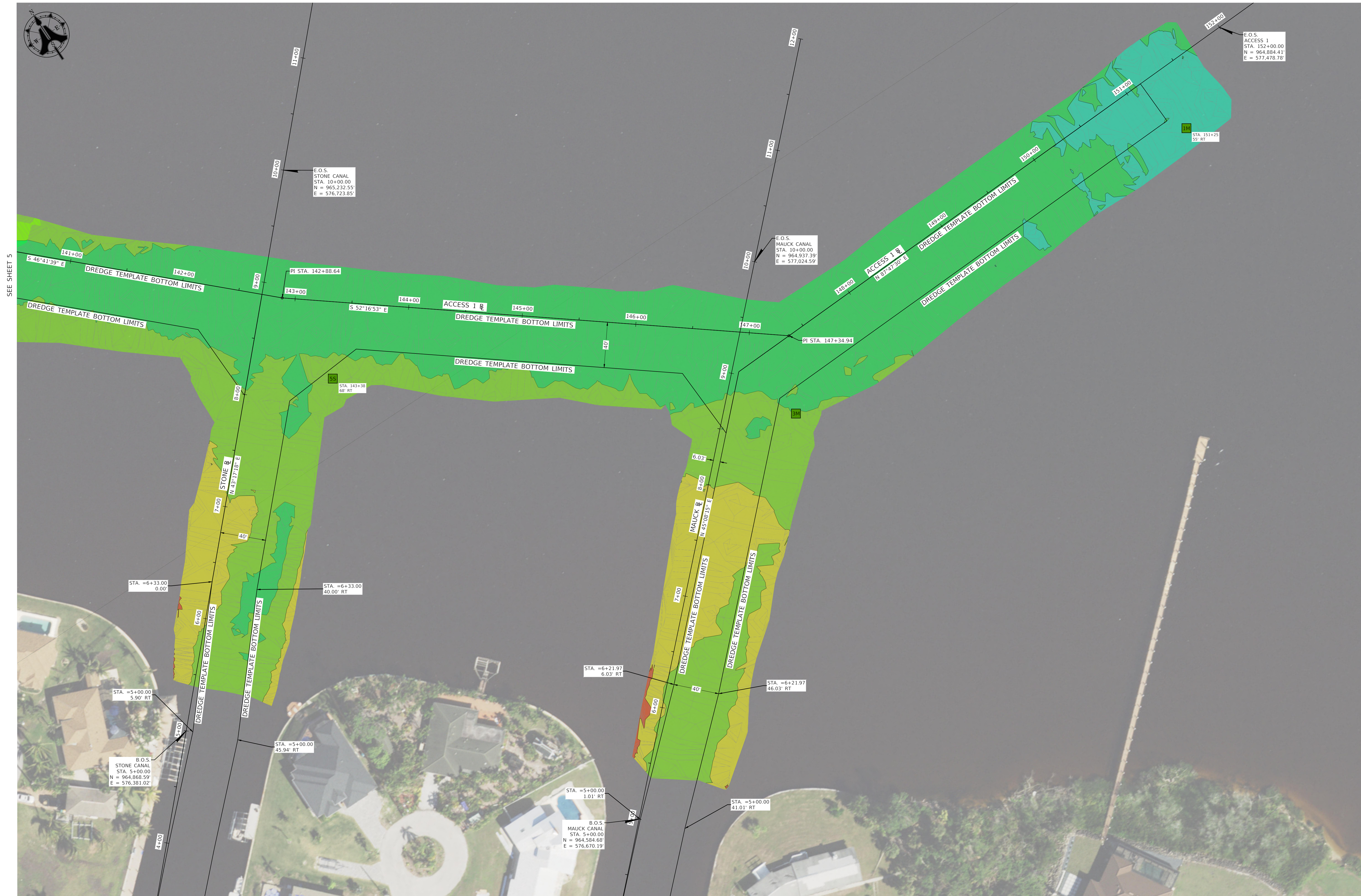
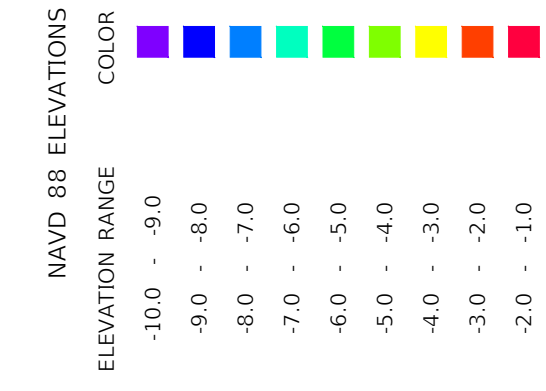
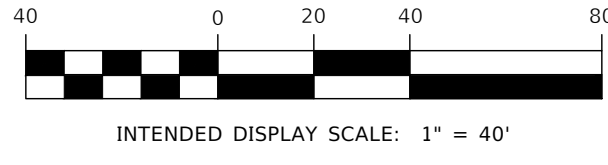
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# HYDROGRAPHIC SURVEY

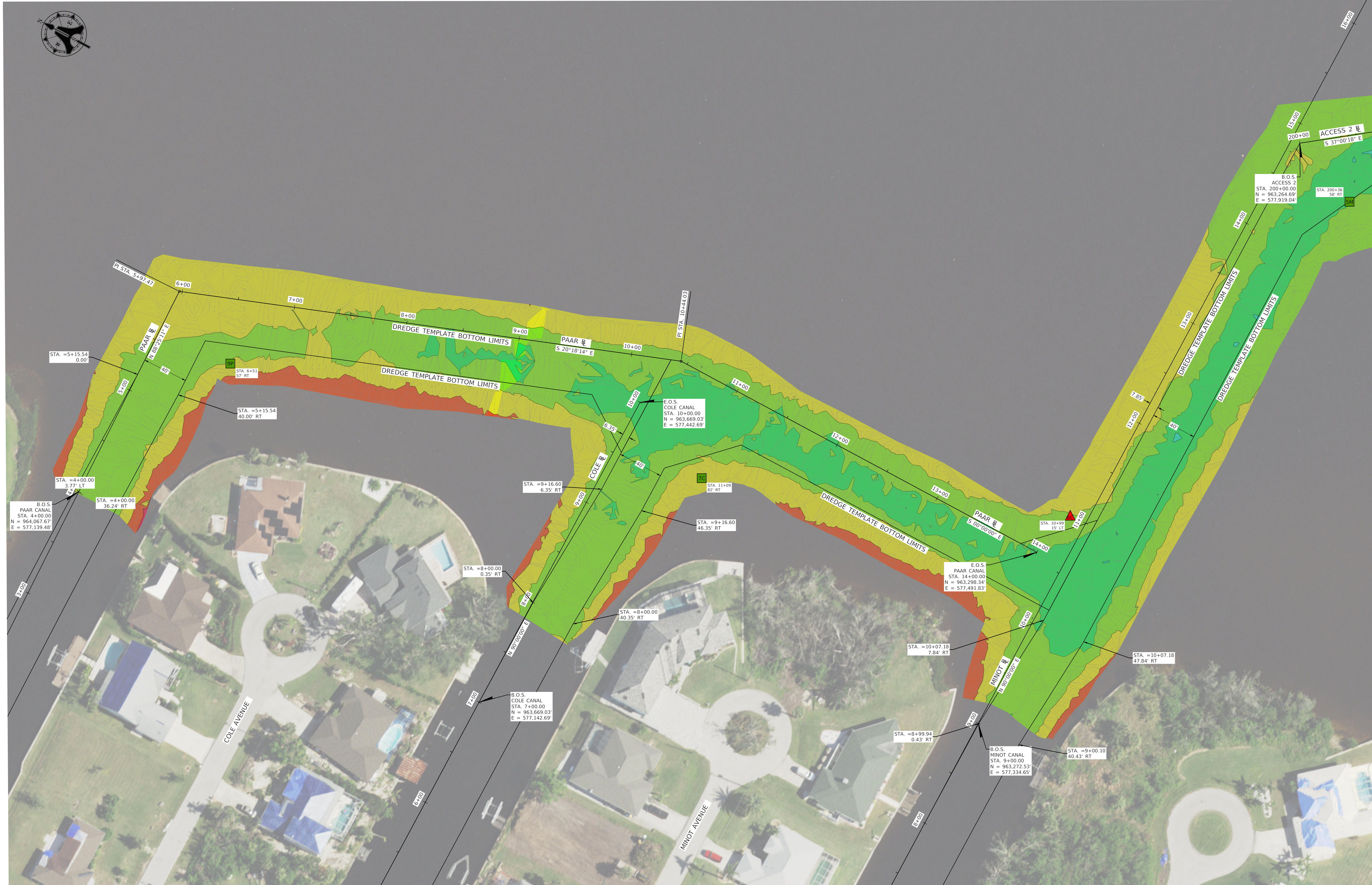
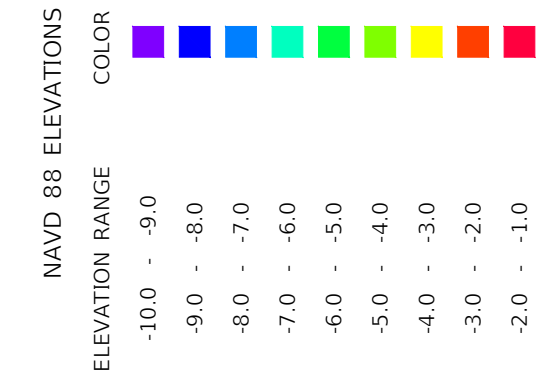
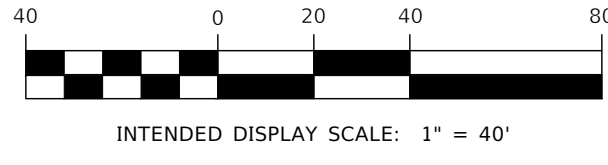
GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



|   |                      |                             |
|---|----------------------|-----------------------------|
| <b>HYDROGRAPHIC SURVEY</b><br>GULF COVE WATERWAYS   |                      | FILE NAME:<br>24-1940_PHS07 |
| PROJECT NO:<br>24-1940  | COUNTY:<br>CHARLOTTE | TOWNSHIP:<br>S              |
| SHEET<br><b>6</b>   |                      | RANGE:<br>E                 |
| CLIENT:<br>CHARLOTTE COUNTY   |                      |                             |
| DRAWN: RH<br>DATE: 04/21/2025<br>CHECKED: DT<br>DATE: 05/09/2025  |                      |                             |
| CERTIFICATE OF AUTHORIZATION No. 3114   |                      |                             |
| CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>TOLL FREE 800-376-4569<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |                      |                             |
| <b>AIM Engineering &amp; Surveying, Inc.</b>  |                      |                             |
| PROJECT NAME:<br>WOP# 322 PRE-STORM BATHYMETRIC SURVEYS   |                      |                             |
| PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  |                      |                             |
| SEE SHEET 1<br>DARREN TOWNSEND<br>PROFESSIONAL MAPPER<br>FLORIDA CERTIFICATE NO. 6676   |                      |                             |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE MADE IN THE ORIGINAL DRAWING(S) AND THE ORIGINAL DRAWING(S) AND THIS FIELD BOOK, INC. IS PROHIBITED.           |                      |                             |
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# HYDROGRAPHIC SURVEY

GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



E.O.S.  
MINOT CANAL  
STA. 17+00.00  
N = 963,272.53  
E = 578,134.65

B.O.S.  
ACCESS 2  
STA. 200+00.00  
N = 963,264.69  
E = 577,919.04

E.O.S.  
COLE CANAL  
STA. 10+00.00  
N = 963,669.03  
E = 577,442.69

E.O.S.  
PAAR CANAL  
STA. 14+00.00  
N = 963,298.34  
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B.O.S.  
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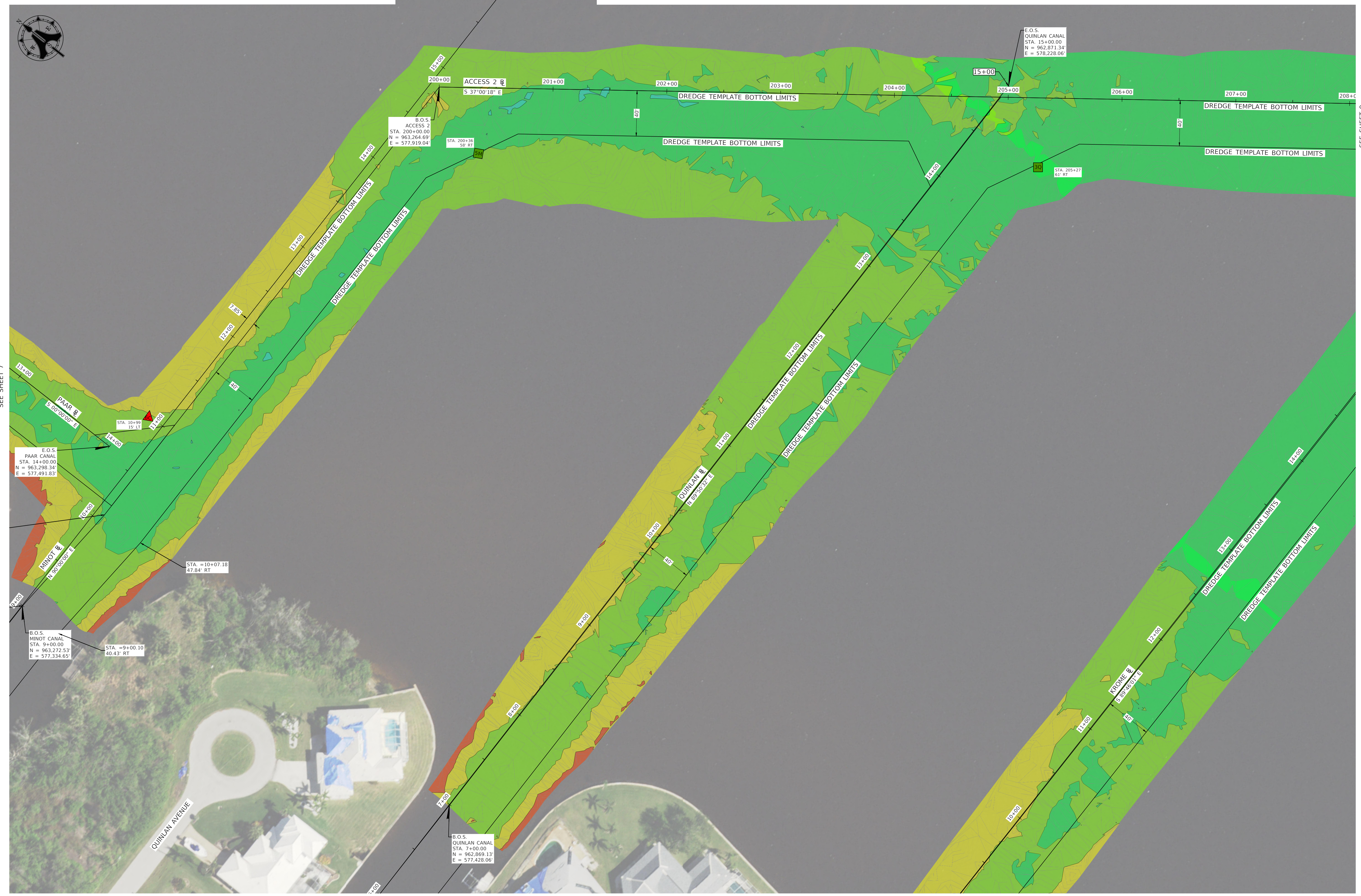
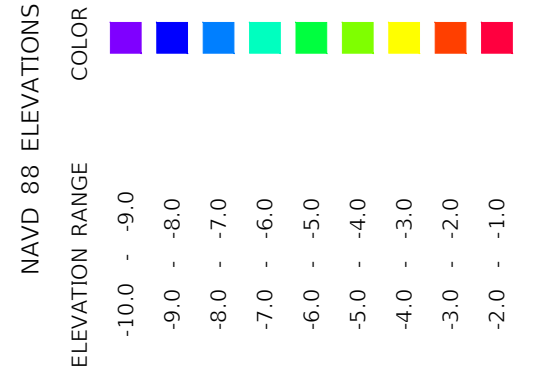
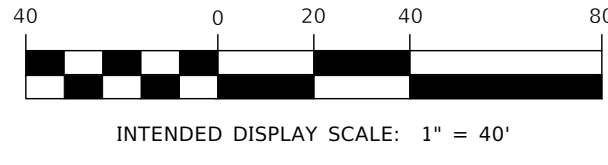
SEE SHEET 8

|   |  |  |                        |            |           |            |   |
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| HYDROGRAPHIC SURVEY   |  | PROJECT NO.  | 24-1940                | SECTION    | S         | RANGE      | E |
| GULF COVE WATERWAYS   |  | FILE NAME  | 24-1940_PHS07          | COUNTY     | CHARLOTTE | TOWNSHIP   |   |
|   |  | SHEET  | 7                      | OR         | 43        |            |   |
| AIM Engineering & Surveying, Inc.   |  | CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT | TOLL FREE 800-376-4669 |            |           |            |   |
| 3451 FOWLER STREET, SUITE 100   |  | FORT MYERS, FLORIDA 33901  |                        |            |           |            |   |
| www.aimengr.com   |  | CERTIFICATE OF AUTHORIZATION No. 3114                                | DATE                   | 04/21/2025 | DT        | 05/09/2025 |   |
| CHARLOTTE COUNTY  |  | DRAWN  | RH                     | CHECKED    |           |            |   |
| PROJECT NAME  |  | WOP 322 PRE-STORM BATHYMETRIC SURVEYS                                |                        |            |           |            |   |
| PREPARED BY   |  | AIM ENGINEERING & SURVEYING, INC.                                    |                        |            |           |            |   |
| SEE SHEET 1   |  | DARREN TOWSE/END MAPPER  |                        |            |           |            |   |
| FLORIDA CERTIFICATE NO. 6676  |  | FIELD BOOK   |                        |            |           |            |   |
| PAGE  |  | SEE NOTE 13  |                        |            |           |            |   |
| ANY REVISIONS, ALTERATIONS, AND OR CHANGES TO DRAWINGS(S) AND/OR CHANGES TO SURVEYING, ENGINEERING & SURVEYING, INC. IS PROHIBITED. |  | NO.  |                        | DATE       |           | BY         |   |
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# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



SEE SHEET 7

SEE SHEET 9

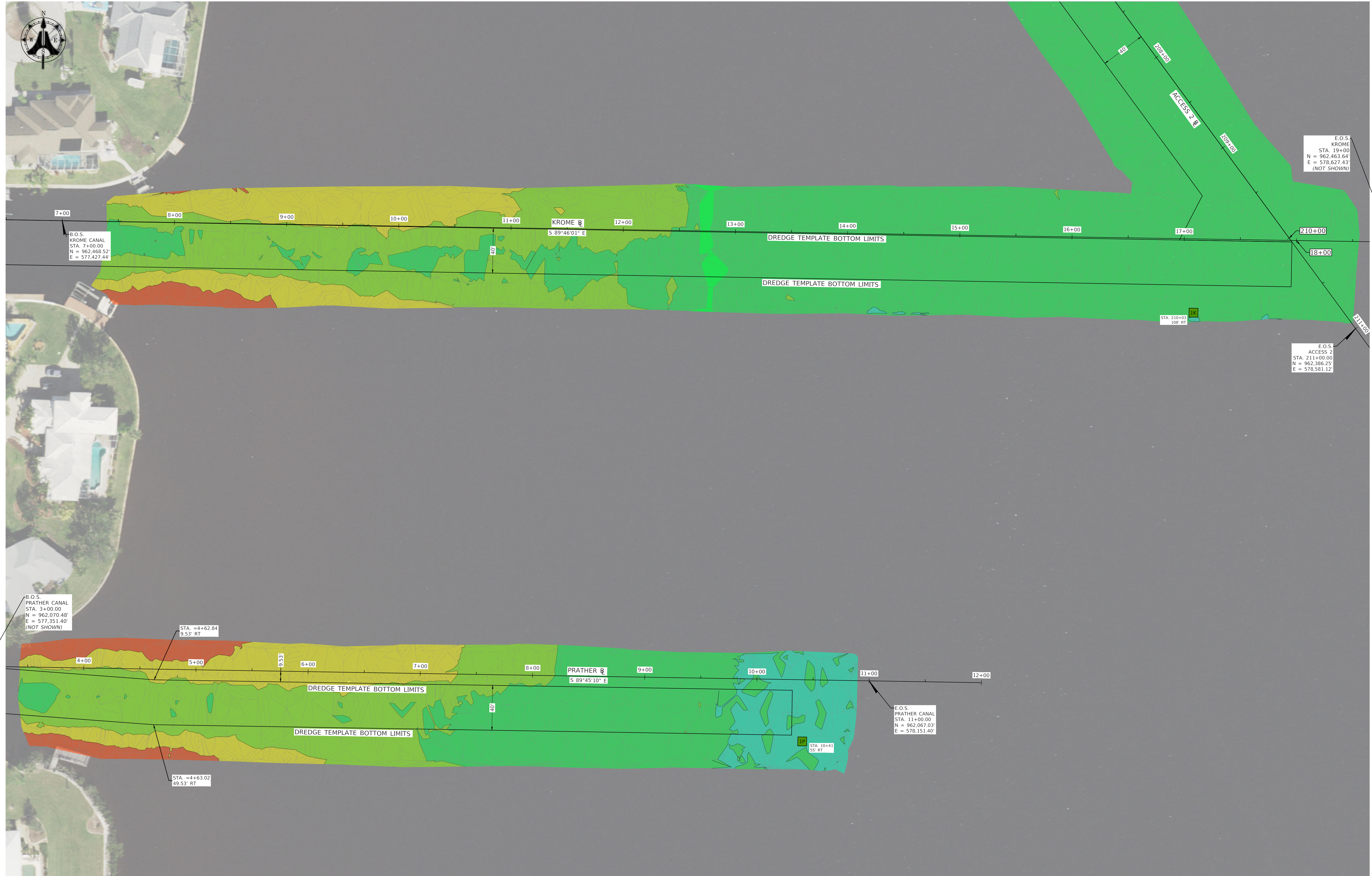
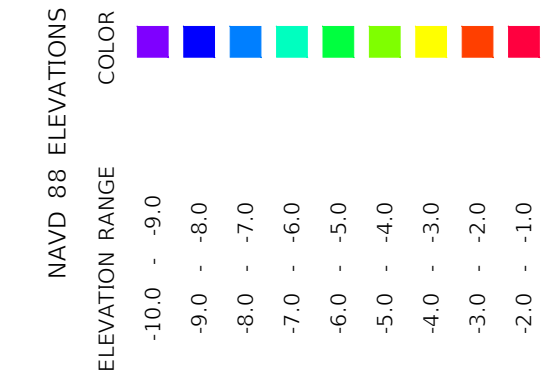
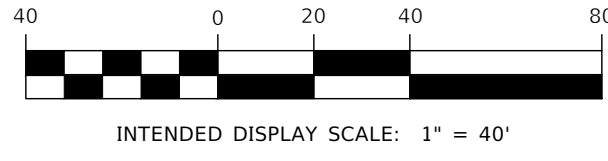
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| <b>HYDROGRAPHIC SURVEY</b><br>GULF COVE WATERWAYS  |                      | FILE NAME:<br>24-1940_PHS07 | SHEET:<br><b>8</b> |
| PROJECT NO:<br>24-1940   | COUNTY:<br>CHARLOTTE | TOWNSHIP:<br>S              | RANGE:<br>E        |
| CLIENT: CHARLOTTE COUNTY   |                      |                             |                    |
| PROJECT NAME:<br>WOP# 322 PRE-STORM BATHYMETRIC SURVEYS  |                      |                             |                    |
| PREPARED BY: AIM ENGINEERING & SURVEYING, INC.   |                      |                             |                    |
| SEE SHEET 1<br>DARREN TOWSE/NO MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. 6676   |                      |                             |                    |
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CERTIFICATE OF AUTHORIZATION No. 3114  
 DATE: 04/21/2025  
 DT: 05/09/2025

# HYDROGRAPHIC SURVEY

GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA

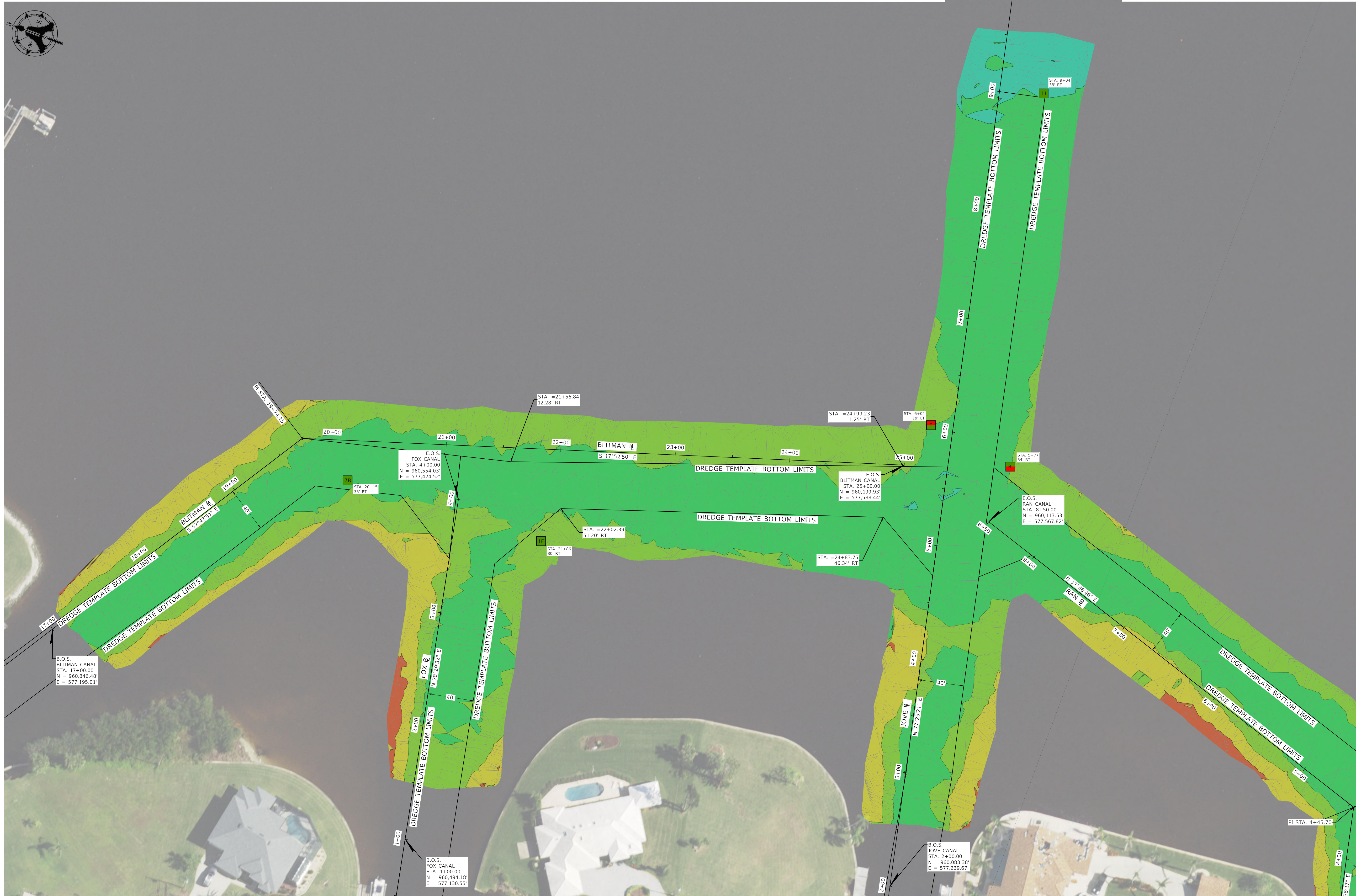
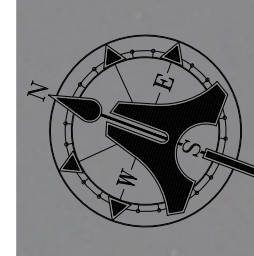
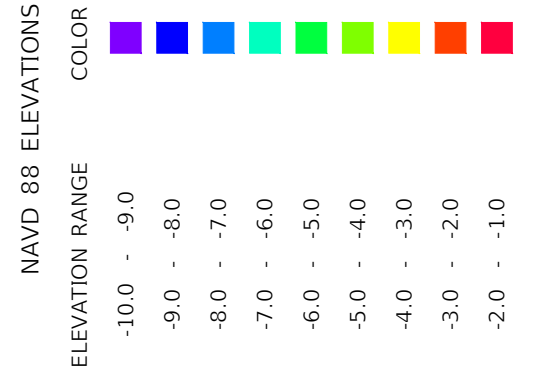
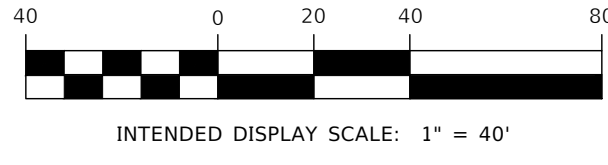


SEE SHEET 8

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| <b>HYDROGRAPHIC SURVEY</b><br>GULF COVE WATERWAYS  |                      | FILE NAME:<br>24-1940_PHS07 |
| PROJECT NO:<br>24-1940   | COUNTY:<br>CHARLOTTE | TOWNSHIP:<br>S              |
| SHEET<br><b>9</b>  | RANGE:<br>E          | OF<br>43                    |
| CLIENT:<br>CHARLOTTE COUNTY  |                      |                             |
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| DATE:<br>04/21/2025  |                      |                             |
| CHECKED:<br>DT   |                      |                             |
| DATE:<br>05/09/2025  |                      |                             |
| CERTIFICATE OF AUTHORIZATION No. 3114<br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br><b>AIM Engineering &amp; Surveying, Inc.</b><br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |                      |                             |
| PROJECT NAME:<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS   |                      |                             |
| PREPARED BY:<br>AM ENGINEERING & SURVEYING, INC.   |                      |                             |
| SEE SHEET 1<br>DARREN TOWNSEND<br>PROFESSIONAL MAPPING<br>FLORIDA CERTIFICATE NO. PA 6676  |                      |                             |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND THE ORIGINAL SURVEYING, MAPPING & SURVEYING, INC. IS PROHIBITED.  |                      |                             |
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# HYDROGRAPHIC SURVEY

GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA

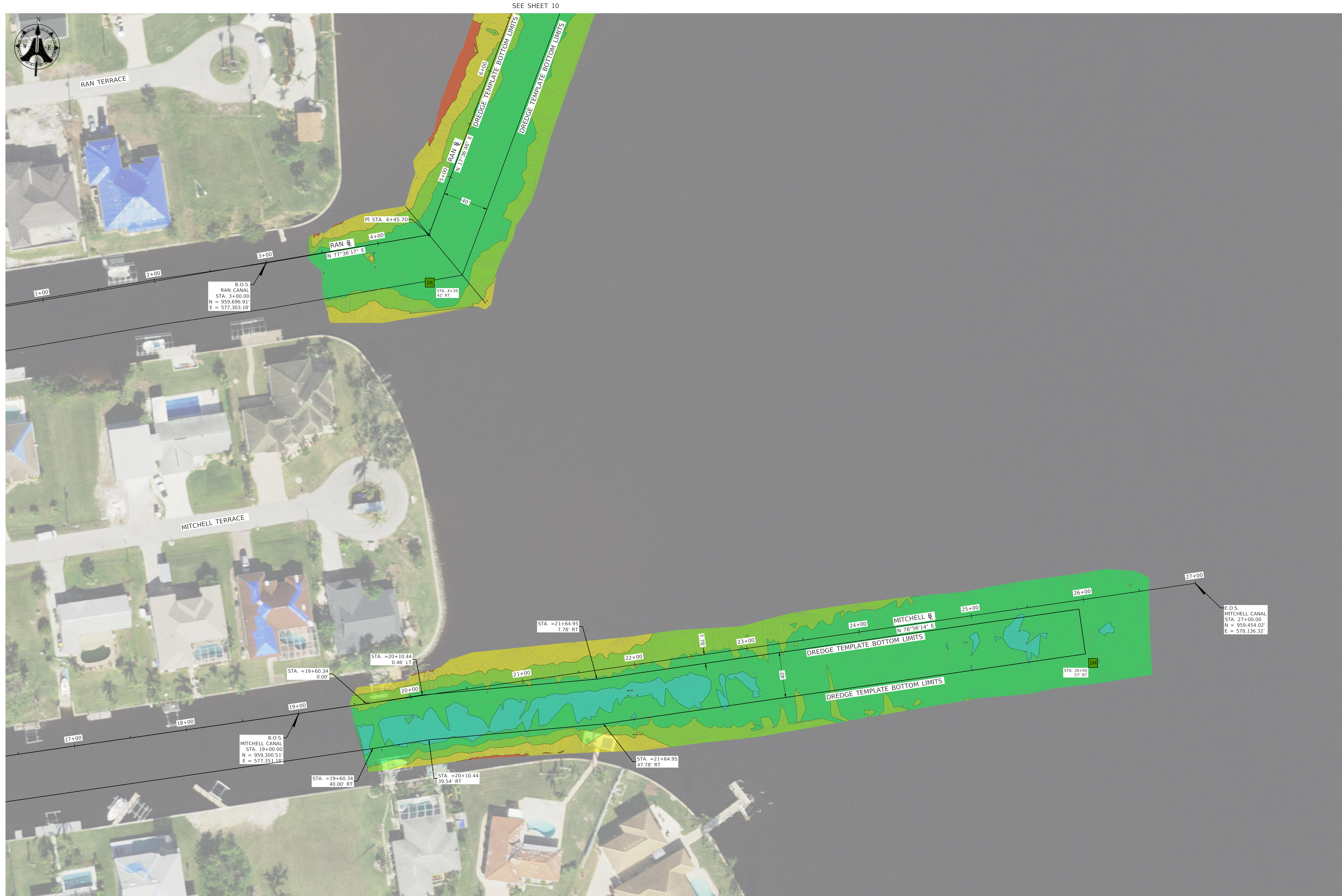
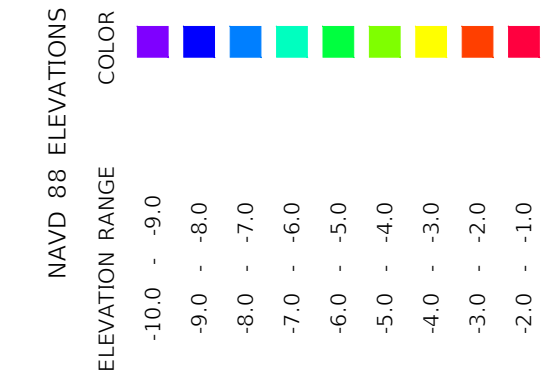
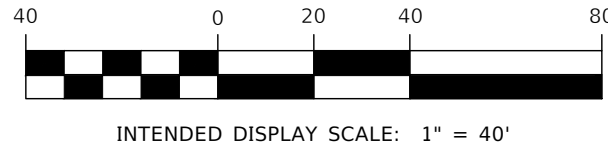


SEE SHEET 11

|   |   |                             |
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| <b>HYDROGRAPHIC SURVEY</b><br>GULF COVE WATERWAYS   |   | FILE NAME:<br>24-1940_PHS07 |
| PROJECT NO:<br>24-1940  | COUNTY:<br>CHARLOTTE  | TOWNSHIP:<br>S              |
| SHEET<br>10   | RANGE:<br>S   | E                           |
| CLIENT: CHARLOTTE COUNTY  |   |                             |
| DRAWN: RH DATE: 04/21/2025  |   |                             |
| CHECKED: DT DATE: 05/09/2025  |   |                             |
| CERTIFICATE OF AUTHORIZATION No. 3114   |   |                             |
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| <b>AIM Engineering &amp; Surveying, Inc.</b>  |   |                             |
| PROJECT NAME:<br>W0# 322 PRE-STORM BATHYMETRIC SURVEYS  |   |                             |
| PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  |   |                             |
| SEE SHEET 1   |   |                             |
| DARREN TOWSE/ND<br>PROFESSOR<br>FLORIDA CERTIFICATE NO. 6676  |   |                             |
| FIELD BOOK: SEE NOTE 11   |   |                             |
| ANY REVISIONS, ALTERATIONS,<br>AND OR CHANGES TO DRAWING(S)<br>MUST BE MADE IN THE ORIGINAL OR WITHIN A<br>FIELD BOOK.  | NO. 1<br>NO. 2<br>NO. 3<br>NO. 4<br>NO. 5<br>NO. 6<br>NO. 7 | REVISIONS:<br>DATE:<br>BY:  |

# HYDROGRAPHIC SURVEY

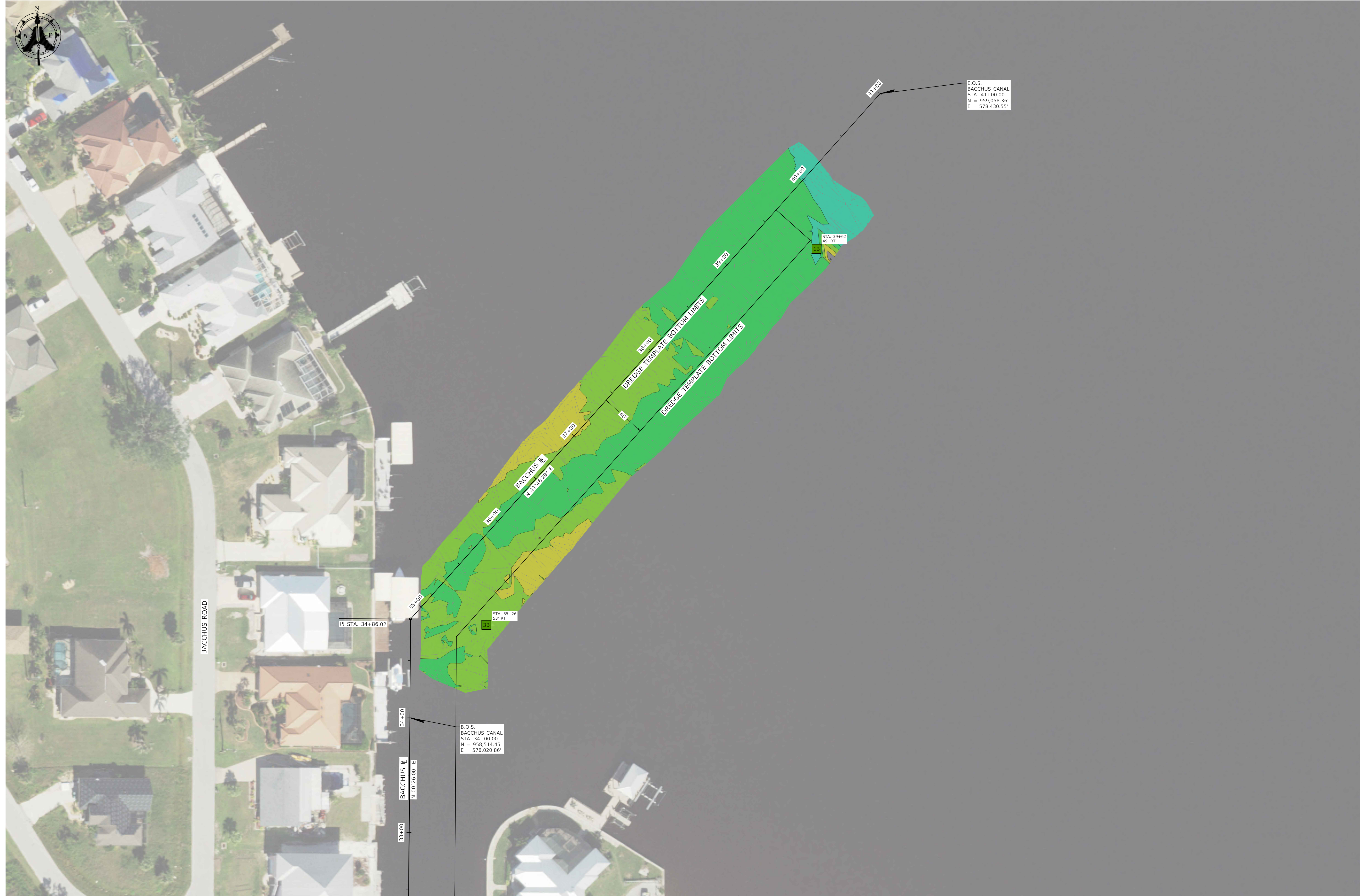
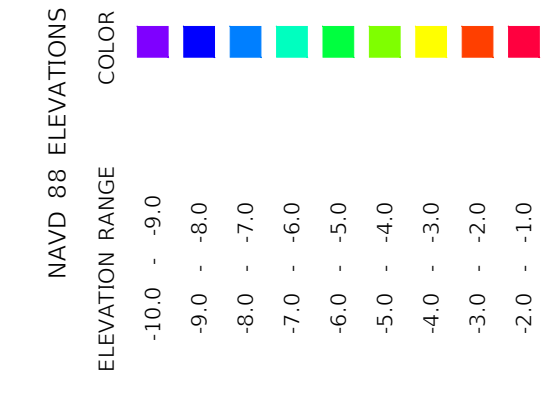
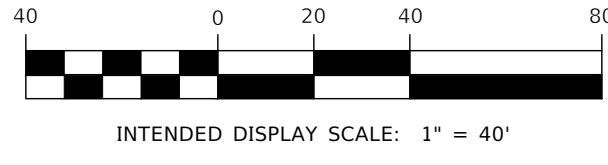
GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA

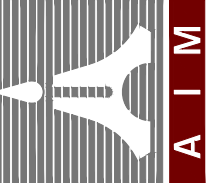


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|   |  | <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>TOLL FREE 800-376-4569<br>3151 FOWLER STREET, SUITE 100<br>FORT WORTH, FLORIDA 33901<br>www.aimengr.com |  | CLIENT: CHARLOTTE COUNTY  |  |
|   |  | CERTIFICATE OF AUTHORIZATION No. 3114<br>DRAWN: RH DATE: 04/21/2025<br>CHECKED: DT DATE: 05/09/2025   |  | PROJECT NAME:<br>W0# 322 PRE-STORM BATHYMETRIC SURVEYS<br>PREPARED BY: AIM ENGINEERING & SURVEYING, INC.<br>SEE SHEET 1<br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. 6676 |  |
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|   |  |   |  | No. 1<br>DATE:  |  |
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# HYDROGRAPHIC SURVEY

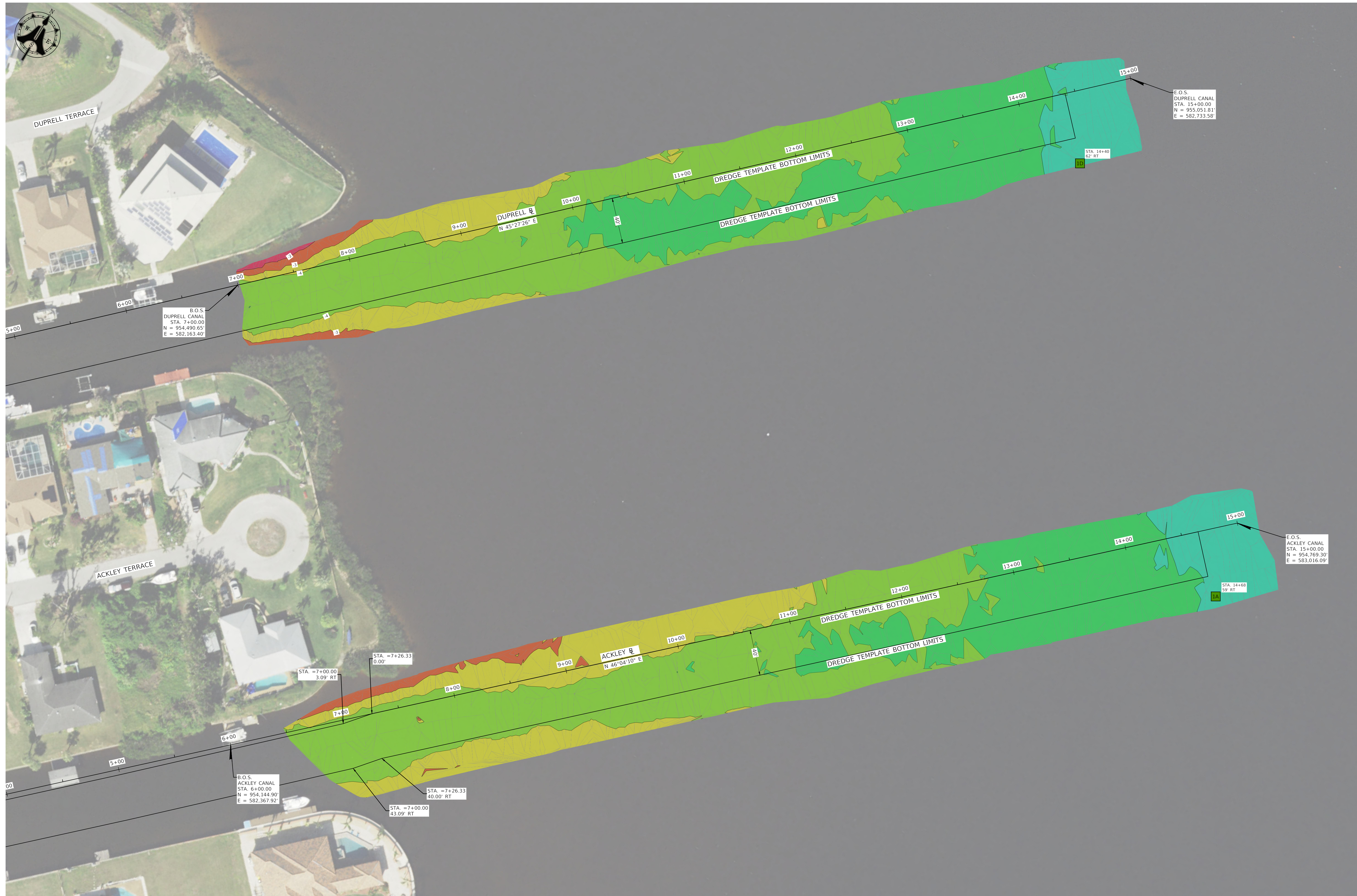
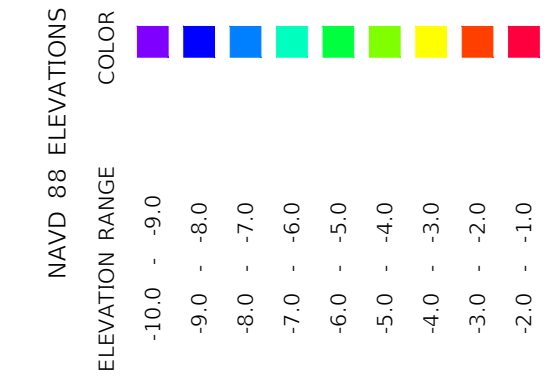
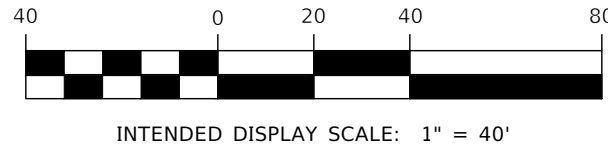
GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



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|---|------|---|--|---|--|-----|------|----|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|
| CERTIFICATE OF AUTHORIZATION No. 3114<br>DATE: 04/21/2025<br>DRAWN: RH                |      | CHECKED: DT<br>DATE: 05/09/2025   |  | TOLL FREE 888-326-4569<br>PHONE 239-332-4569<br>FAX 239-332-4569  |  |     |      |    |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| PROJECT NAME:<br>W0# 322 PRE-STORM BATHYMETRIC SURVEYS                                |      | PREPARED BY: AIM ENGINEERING & SURVEYING, INC.<br>SEE SHEET 1<br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. 6676   |  | ANY REVISIONS, ALTERATIONS,<br>AND OR CHANGES TO DRAWING(S)<br>MUST BE MADE IN THE ORIGINAL DRAWING AND<br>FIELD BOOK. SEE NOTE 13  |  |     |      |    |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |
| PROJECT NO.: 24-1940_PHS07<br>COUNTY: CHARLOTTE<br>SHEET: 12<br>OF: 43                |      | FILE NAME:<br>24-1940_PHS07<br>TOWNSHIP: S<br>RANGE: E  |  | REVISIONS:<br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td></tr> </tbody> </table> |  | No. | DATE | BY | 1 |  |  | 2 |  |  | 3 |  |  | 4 |  |  | 5 |  |  | 6 |  |  | 7 |  |  |
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# HYDROGRAPHIC SURVEY

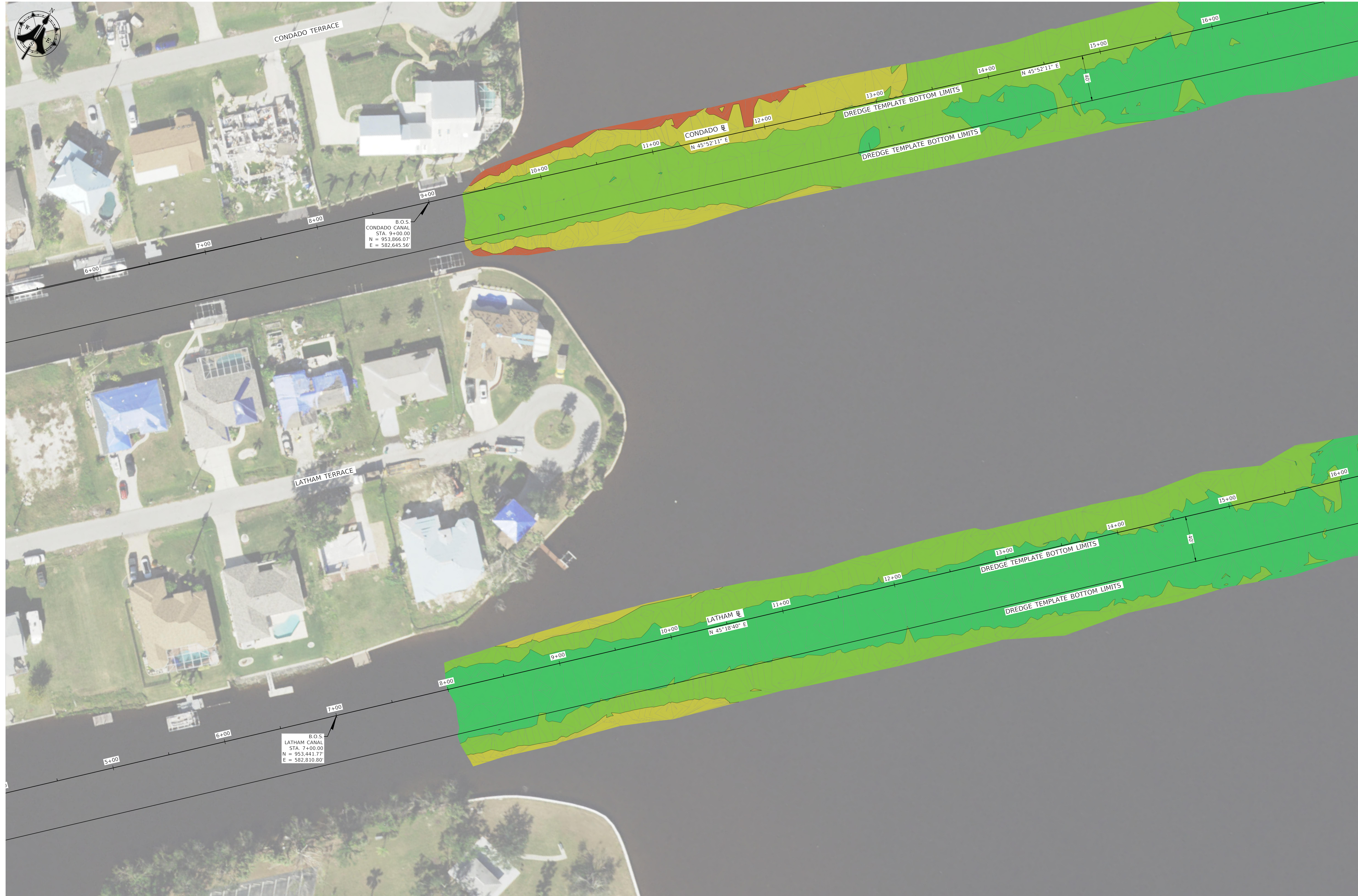
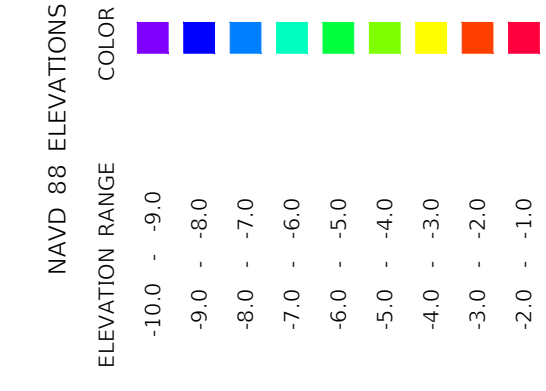
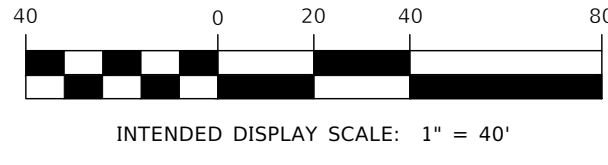
GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



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|  |  | CERTIFICATE OF AUTHORIZATION No. 3114<br>DATE: 04/21/2025<br>DT: 05/09/2025   |  | DRAWN: RH<br>CHECKED: DT                          |
| PROJECT NAME:<br>W0# 322 PRE-STORM BATHYMETRIC SURVEYS<br>PREPARED BY: AIM ENGINEERING & SURVEYING, INC.<br>SEE SHEET 1<br>DARREN TOWNSEND<br>PROFESSOR OF SURVEYING<br>FLORIDA CERTIFICATE NO. 6676 |  | ANY REVISIONS, ALTERATIONS,<br>AND OR CHANGES TO DRAWING(S)<br>MUST BE MADE IN THE ORIGINAL, OR WITHIN A<br>FIELD BOOK. SEE NOTE 13   |  | REVISIONS:<br>No. 1<br>2<br>3<br>4<br>5<br>6<br>7 |
| PROJECT NO.: 24-1940<br>COUNTY: CHARLOTTE<br>SHEET: 43   |  | FILE NAME: 24-1940_PHS07<br>TOWNSHIP: S<br>RANGE: E   |  | SHEET: 13   |

# HYDROGRAPHIC SURVEY

GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA

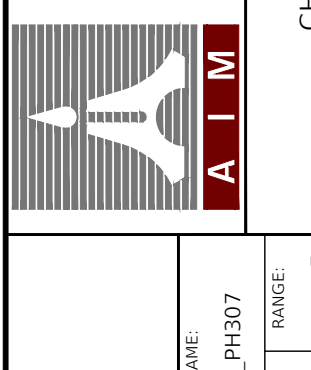


SEE SHEET 15

SEE SHEET 15

HYDROGRAPHIC SURVEY  
GULF COVE WATERWAYS

PROJECT NO.: 24-1940  
COUNTY: CHARLOTTE  
SHEET: 43



AIM Engineering & Surveying, Inc.  
CIVIL • SANITARY • TRANSPORTATION • DEVELOPMENT • PROJECT MANAGEMENT  
3151 FOWLER STREET, SUITE 100  
FORT MYERS, FLORIDA 33901  
www.aimengr.com

PROJECT NAME:  
W0# 322 PRE-STORM BATHYMETRIC SURVEYS  
PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  
SEE SHEET 1  
DARREN TOWSE/END MAPPER  
PROFESSOR  
FLORIDA CERTIFICATE NO. 6676

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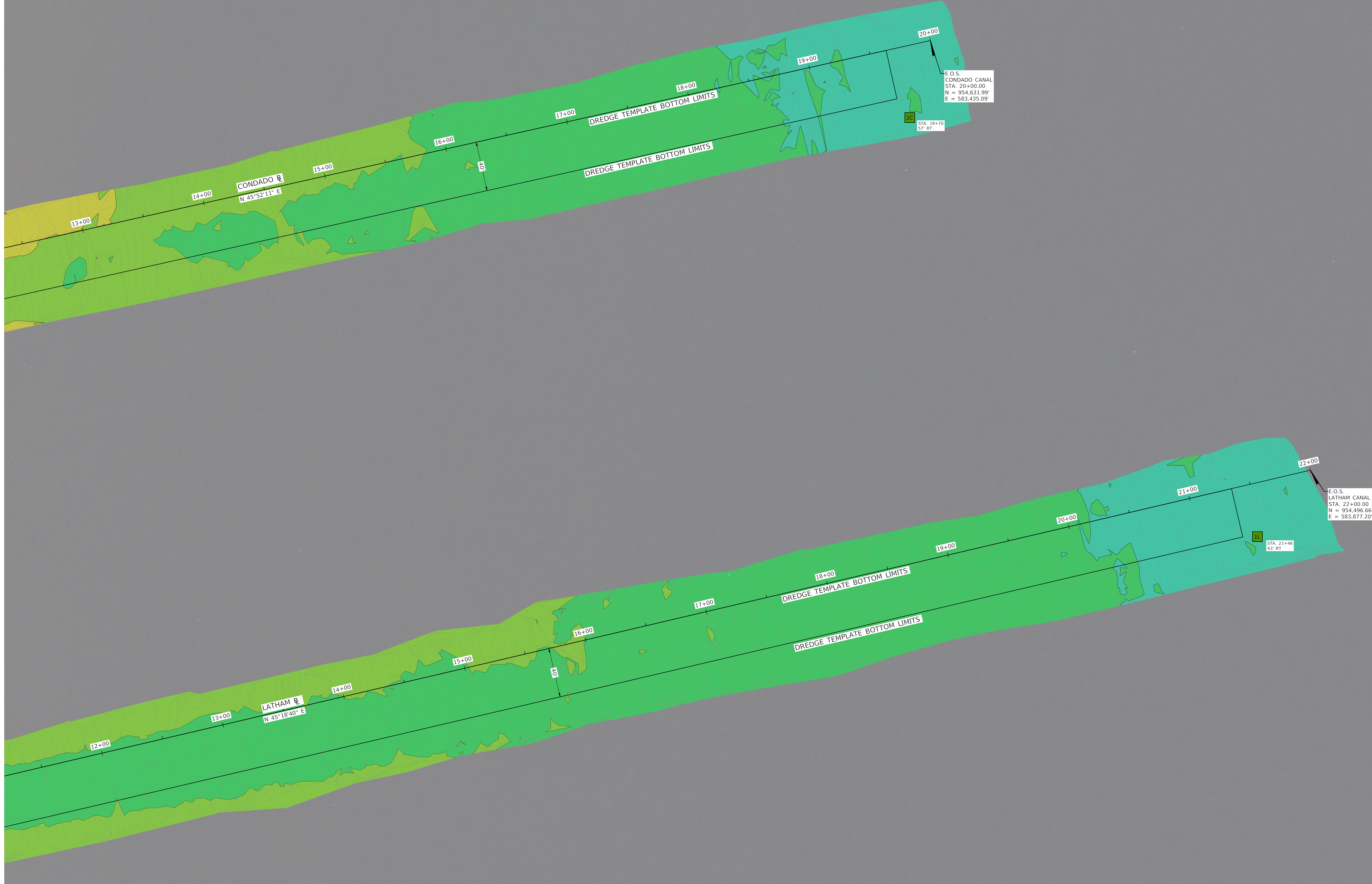
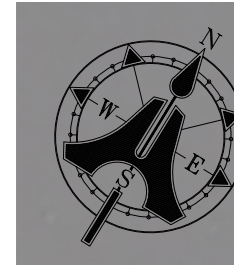
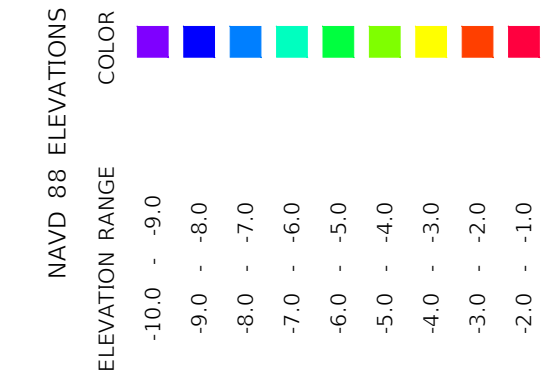
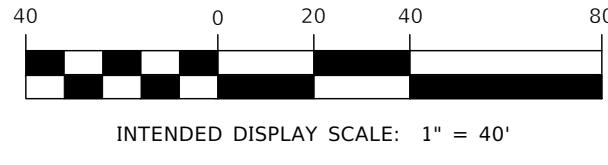
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| FILE NAME     | RANGE | E |
|---------------|-------|---|
| 24-1940_PHS07 | S     | E |

DATE: 05/09/2025  
DT: 04/21/2025  
RH: DT

# HYDROGRAPHIC SURVEY

GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



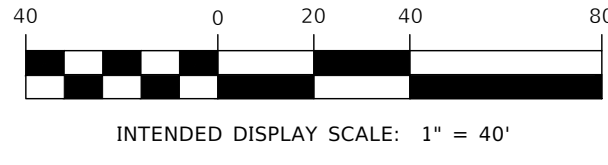
SEE SHEET 14

SEE SHEET 14

|   |  |   |                               |  |   |  |
|---|--|---|-------------------------------|--|---|--|
| <br><b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |  | CLIENT:<br>CHARLOTTE COUNTY   | DRAWN: RH<br>DATE: 04/21/2025 | CHECKED: DT<br>DATE: 05/09/2025  | CERTIFICATE OF AUTHORIZATION No. 3114<br>TOLL FREE 800-376-4569<br>PHONE 239-332-4569<br>N = 954,296.66<br>E = 583,877.20 |  |
|   |  | PROJECT NAME:<br>W0# 322 PRE-STORM BATHYMETRIC SURVEYS<br>PREPARED BY: AIM ENGINEERING & SURVEYING, INC.<br>SEE SHEET 1<br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL SEAL PA 6276<br>FLORIDA CERTIFICATE NO. 12000<br><small>ALL FIELD DATA IS THE ORIGINAL WORK OF THE FIELD SURVEYOR AND IS NOT TO BE REPRODUCED WITHOUT HIS/HER WRITTEN CONSENT.</small> |                               |  |   |  |
| HYDROGRAPHIC SURVEY<br>GULF COVE WATERWAYS  |  | SHEET<br><b>15</b>  | RANGE<br>S<br>E               | ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) SHALL BE MADE TO THE ORIGINAL DRAWING(S) BY THE ORIGINAL SURVEYOR, INC. IS PROHIBITED. |   |  |
| PRODUCT NO.: 24-1940<br>COUNTY: CHARLOTTE   |  | FILE NAME:<br>24-1940_PHS07   | REVISIONS:                    |  |   |  |
| SHEET<br><b>43</b>  |  | NO. DATE BY REVISIONS:<br>1<br>2<br>3<br>4<br>5<br>6<br>7   |                               |  |   |  |
| FIELD BOOK: SEE NOTE 13   |  | PAGE:   |                               |  |   |  |

# HYDROGRAPHIC SURVEY

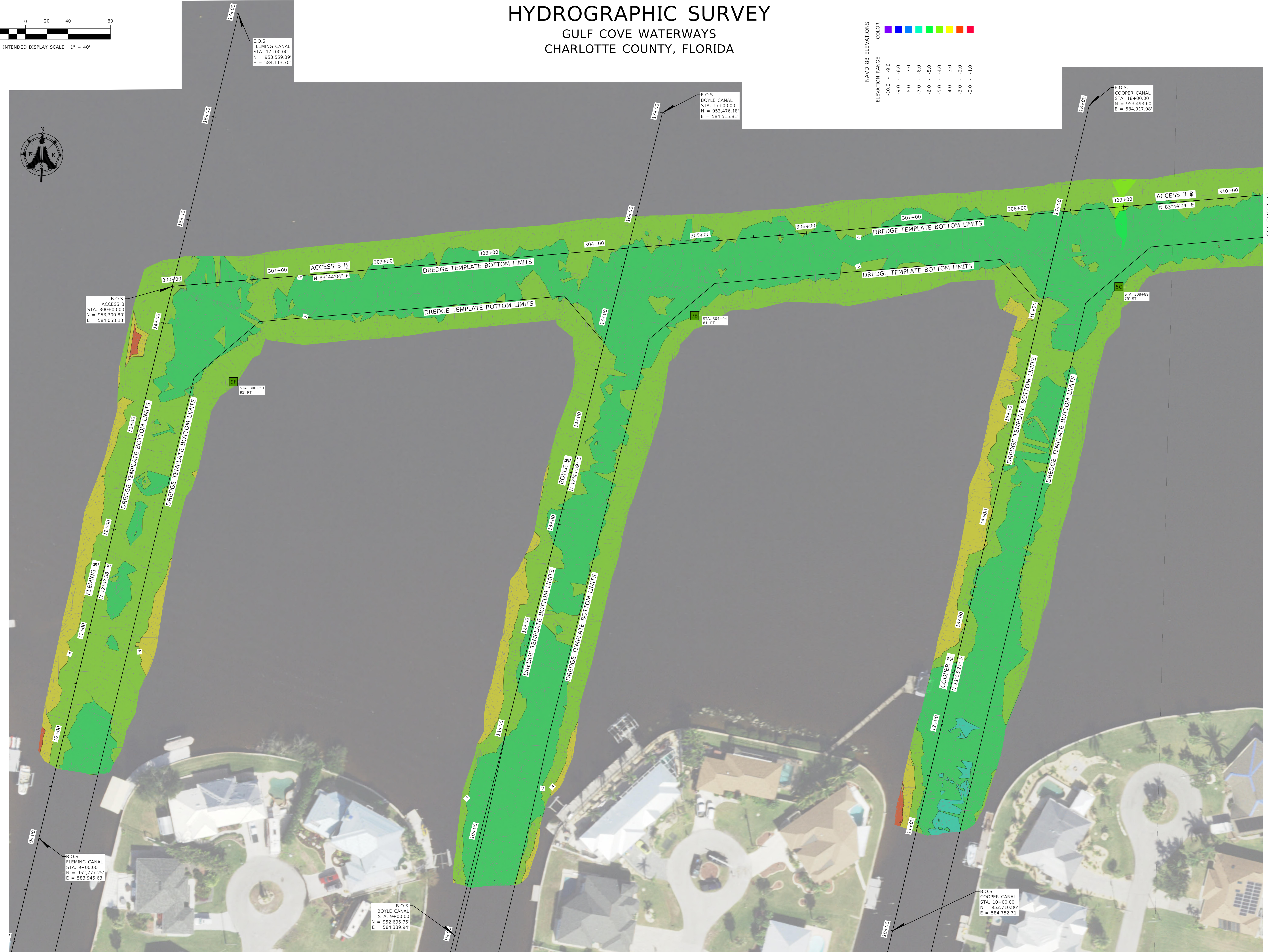
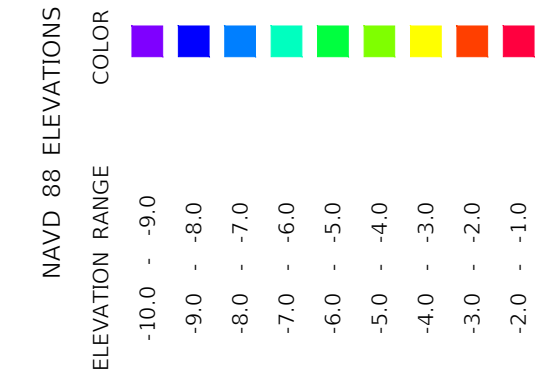
GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



E.O.S.  
FLEMING CANAL  
STA. 17+00.00  
N = 953,559.39'  
E = 584,113.70'

E.O.S.  
BOYLE CANAL  
STA. 17+00.00  
N = 953,476.18'  
E = 584,515.81'

E.O.S.  
COOPER CANAL  
STA. 18+00.00  
N = 953,493.60'  
E = 584,917.98'



SEE SHEET 17

HYDROGRAPHIC SURVEY  
GULF COVE WATERWAYS

PROJECT NO. 24-1940\_PHS07  
COUNTY: CHARLOTTE  
SHEET 16  
ORANGE 43

**AIM Engineering & Surveying, Inc.**  
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3151 FOWLER STREET, SUITE 100  
FORT WHEELER, FLORIDA 33801  
www.aimengr.com

CERTIFICATE OF AUTHORIZATION No. 3114  
DATE: 04/21/2025  
CHECKED: DT  
DATE: 05/09/2025

PROJECT NAME: W04 322 PRE-STORM BATHYMETRIC SURVEYS  
PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  
SEE SHEET 1  
DARREN TOWNSEND  
PROFESSOR OF SURVEYING  
FLORIDA CERTIFICATE NO. 6676

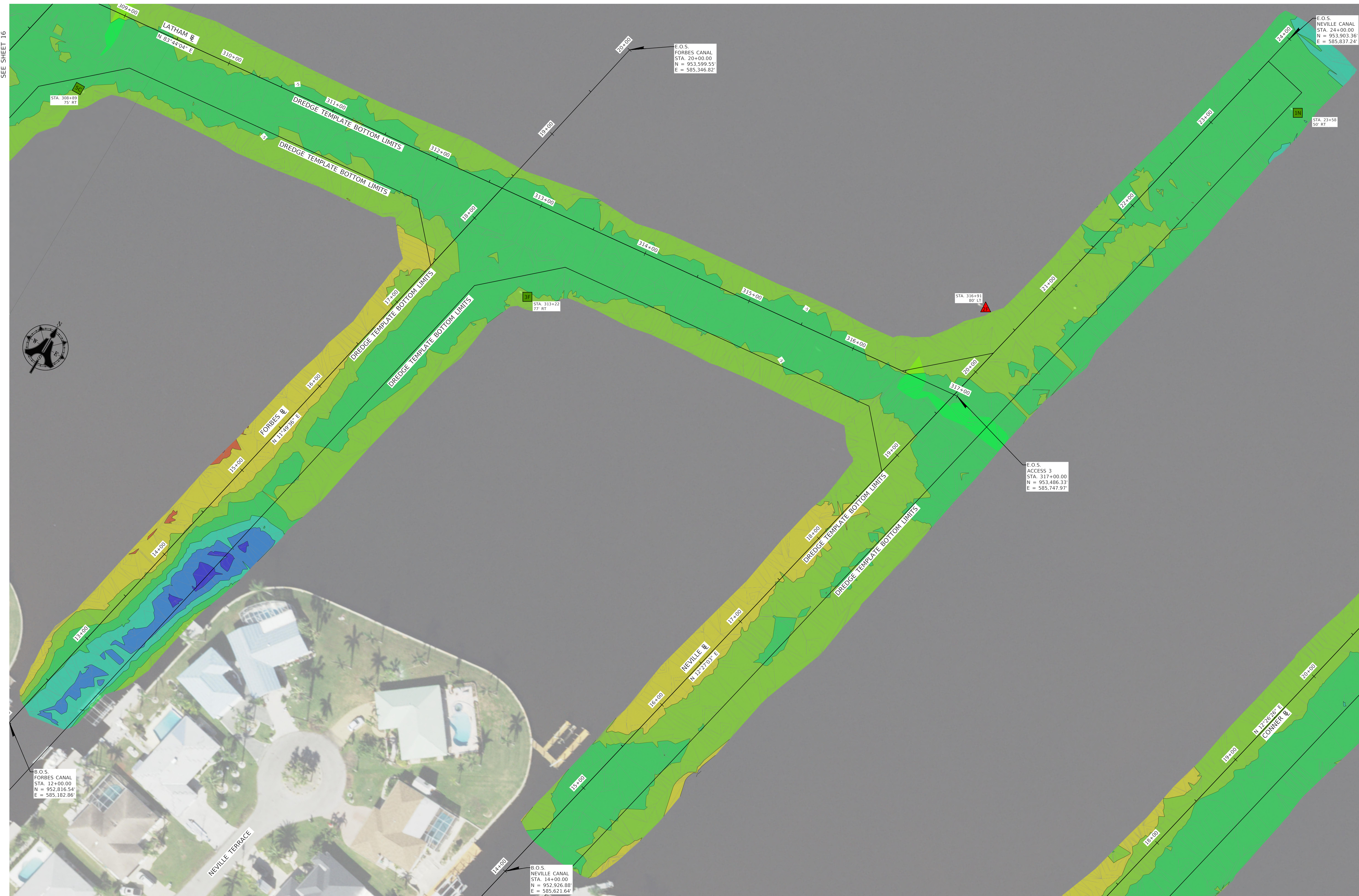
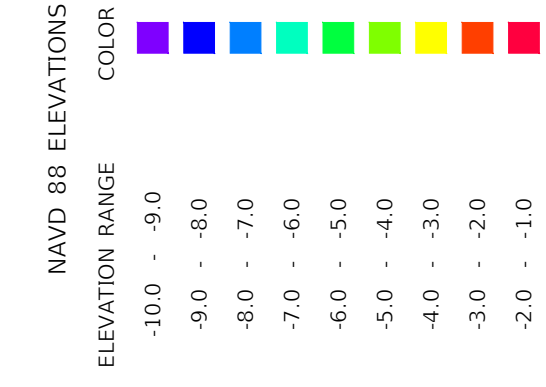
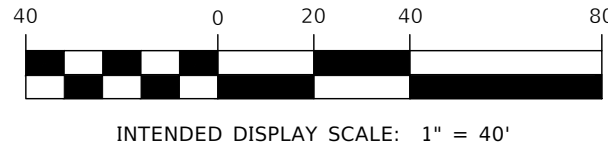
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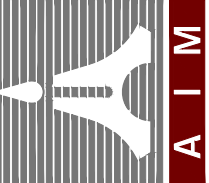
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| NO. | DATE | BY | REVISIONS |
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# HYDROGRAPHIC SURVEY

GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



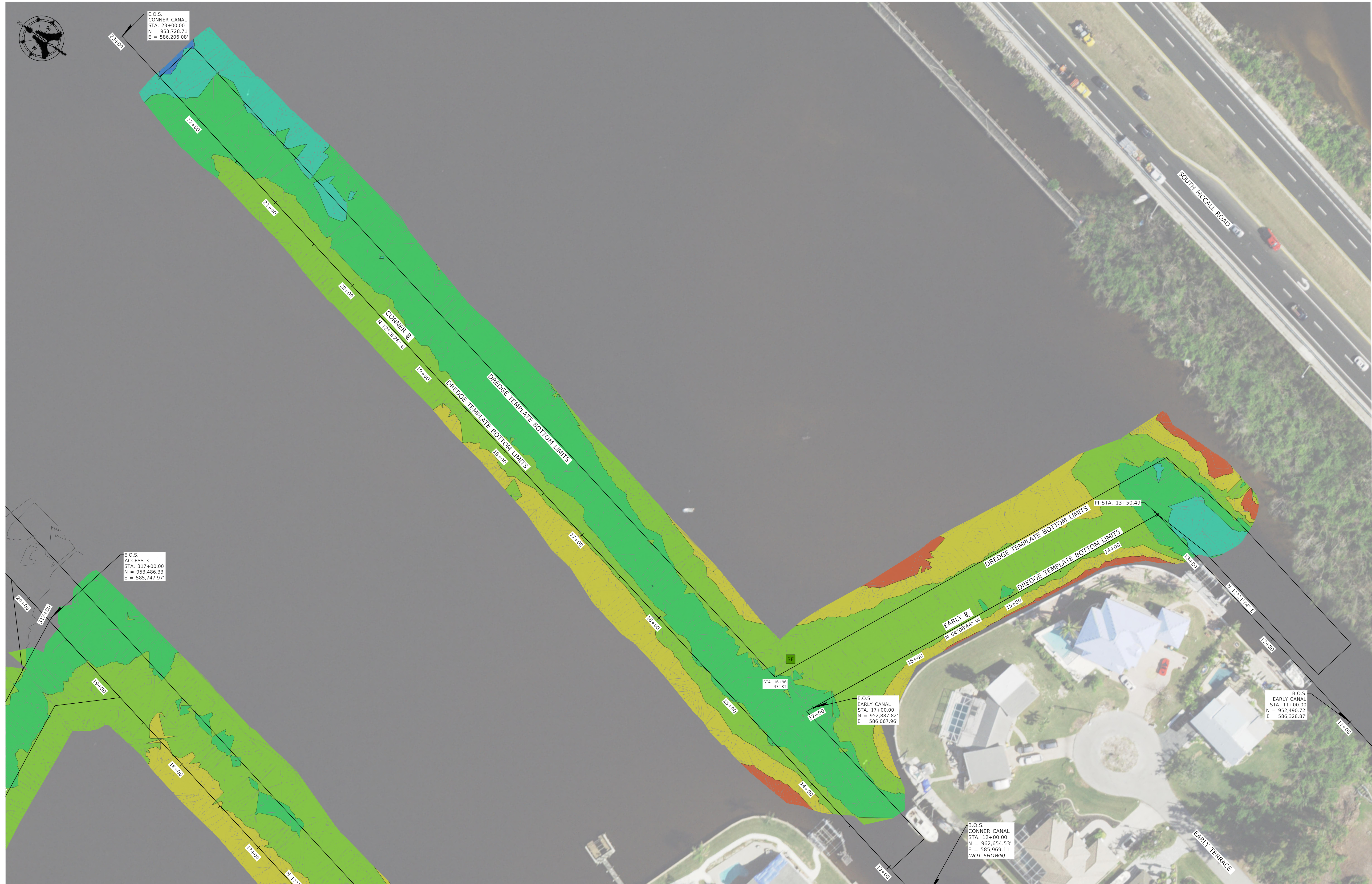
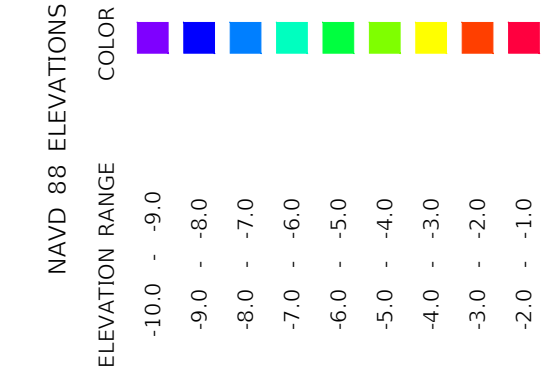
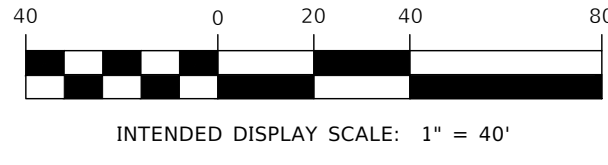
|   |  |   |  |  |  |
|---|--|---|--|--|--|
| <br><b>AIM Engineering &amp; Surveying, Inc.</b> |  | CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>TOLL FREE 800-376-4569<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |  | CERTIFICATE OF AUTHORIZATION No. 3114<br>DATE: 04/21/2025<br>CHECKED: DT<br>DATE: 05/09/2025   |  |
| CLIENT: CHARLOTTE COUNTY  |  | PROJECT NAME:<br>W0# 322 PRE-STORM BATHYMETRIC SURVEYS  |  | ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND THE ORIGINAL SURVEYING, ENGINEERING & SURVEYING, INC. IS PROHIBITED. |  |
| SHEET: 17<br>OF: 43   |  | PREPARED BY: DARREN TOWSE/NO MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. 6676  |  | FIELD BOOK: SEE NOTE 13  |  |
| PROJECT NO.: 24-1940<br>COUNTY: CHARLOTTE<br>SHEET: 17<br>OF: 43  |  | PROJECT NO.: 24-1940<br>COUNTY: CHARLOTTE<br>SHEET: 17<br>OF: 43  |  | REVISIONS:   |  |
| FILE NAME: 24-1940_PHS07  |  | NO.: 1<br>DATE:   |  | BY:  |  |
| SECTION: S  |  | NO.: 2<br>DATE:   |  | BY:  |  |
| TOWNSHIP:   |  | NO.: 3<br>DATE:   |  | BY:  |  |
| RANGE: E  |  | NO.: 4<br>DATE:   |  | BY:  |  |
| SHEET: 17   |  | NO.: 5<br>DATE:   |  | BY:  |  |
| OF: 43  |  | NO.: 6<br>DATE:   |  | BY:  |  |
| SHEET: 17   |  | NO.: 7<br>DATE:   |  | BY:  |  |
| OF: 43  |  | NO.: 7<br>DATE:   |  | BY:  |  |

SEE SHEET 16

SEE SHEET 18

# HYDROGRAPHIC SURVEY

GULF COVE WATERWAYS  
CHARLOTTE COUNTY, FLORIDA



|   |                      |                             |
|---|----------------------|-----------------------------|
| <b>HYDROGRAPHIC SURVEY</b><br>GULF COVE WATERWAYS   |                      | FILE NAME:<br>24-1940_P43D7 |
| PROJECT NO:<br>24-1940  | COUNTY:<br>CHARLOTTE | TOWNSHIP:<br>S              |
| SHEET:<br>18  | RANGE:<br>43         | E                           |
| CLIENT: CHARLOTTE COUNTY  |                      |                             |
| DRAWN: RH DATE: 04/21/2025  |                      |                             |
| CHECKED: DT DATE: 05/09/2025  |                      |                             |
| CERTIFICATE OF AUTHORIZATION No. 3114   |                      |                             |
| CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>AIM Engineering & Surveying, Inc.<br>3151 FOWLER STREET, SUITE 100<br>FORT WALKER, FLORIDA 33801<br>www.aimengr.com   |                      |                             |
| PROJECT NAME:<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS  |                      |                             |
| PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br>SEE SHEET 1<br>DARREN TOWSE/ND<br>PROFESSIONAL MAPPER<br>FLORIDA CERTIFICATE NO. 6676  |                      |                             |
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| NO. 1<br>DATE:  | BY:                  | REVISIONS:                  |
| NO. 2<br>DATE:  | BY:                  | REVISIONS:                  |
| NO. 3<br>DATE:  | BY:                  | REVISIONS:                  |
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| NO. 7<br>DATE:  | BY:                  | REVISIONS:                  |

SECTION SHEET LEGEND:

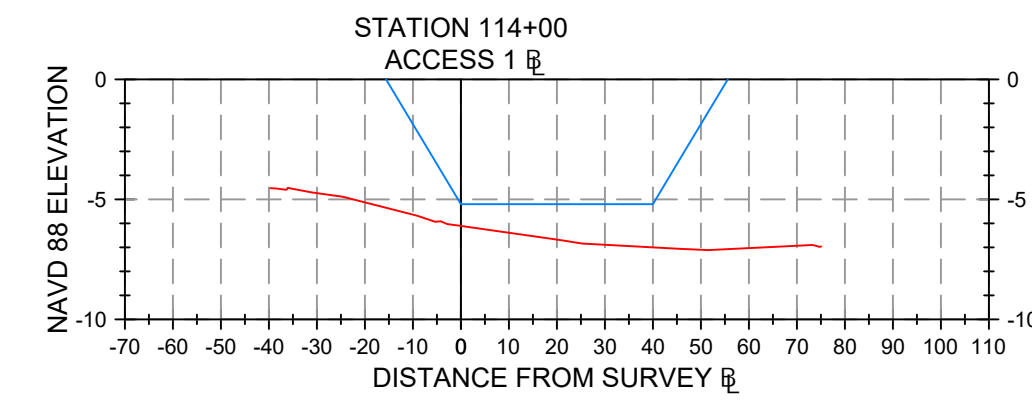
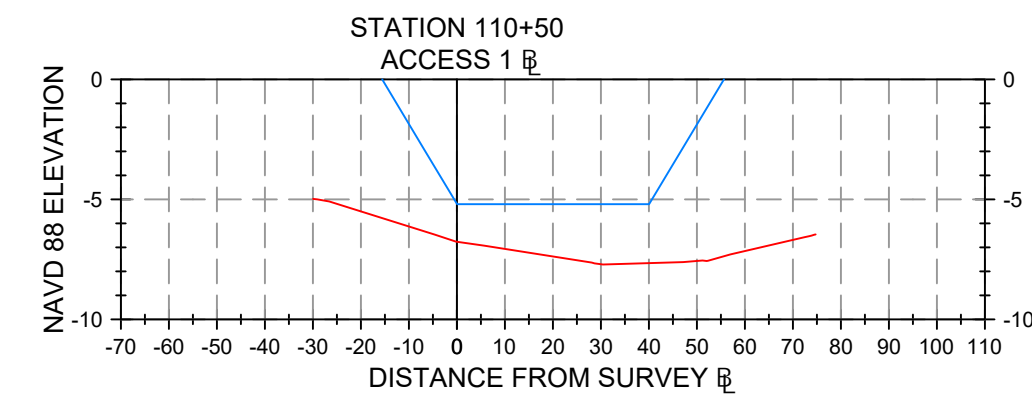
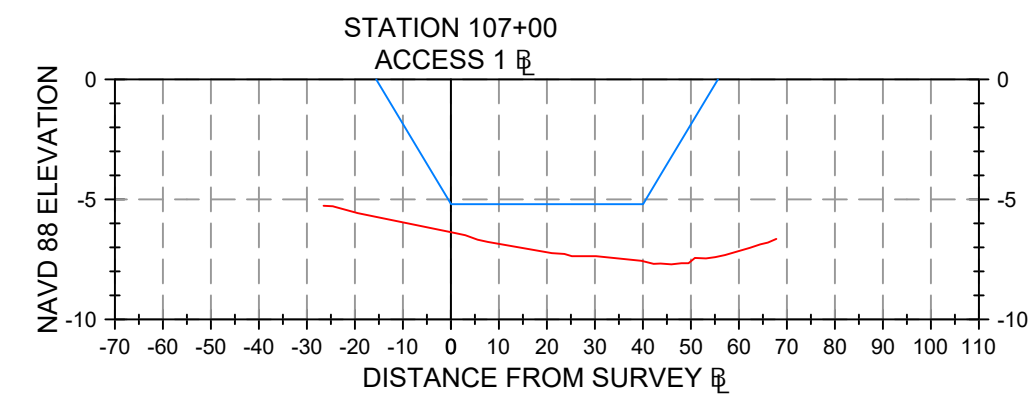
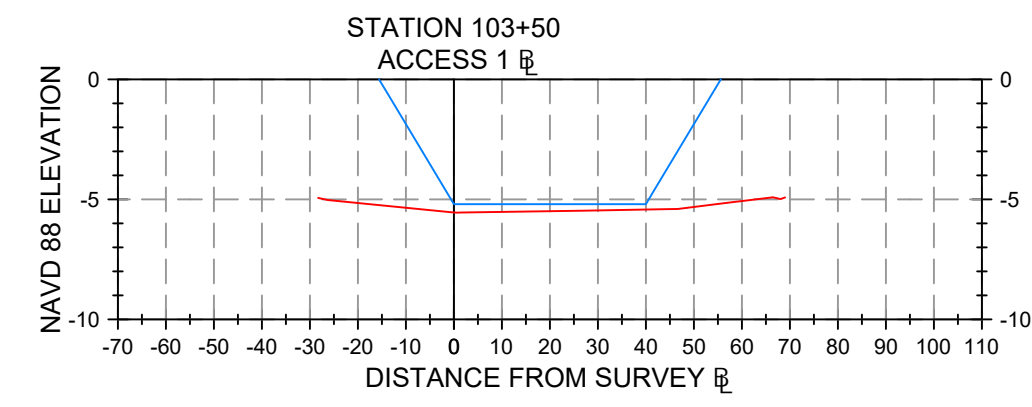
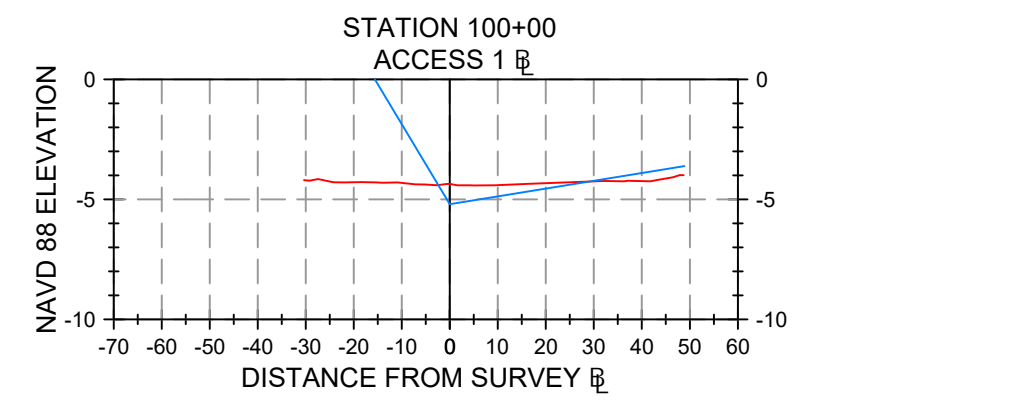
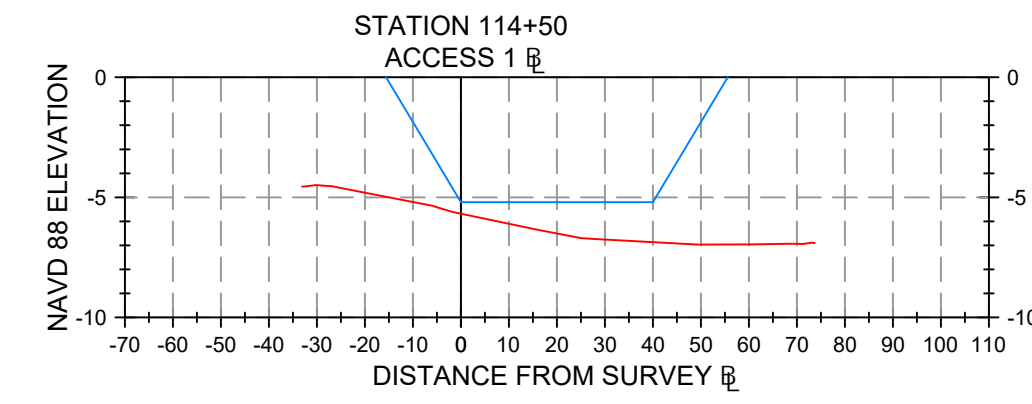
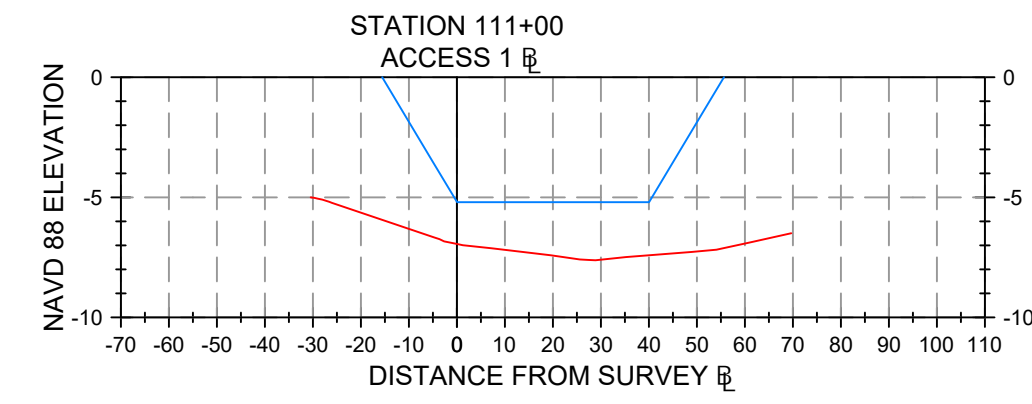
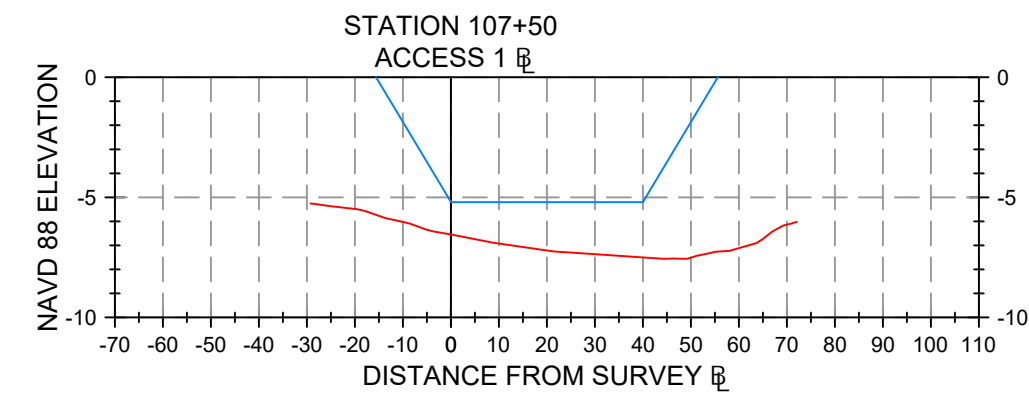
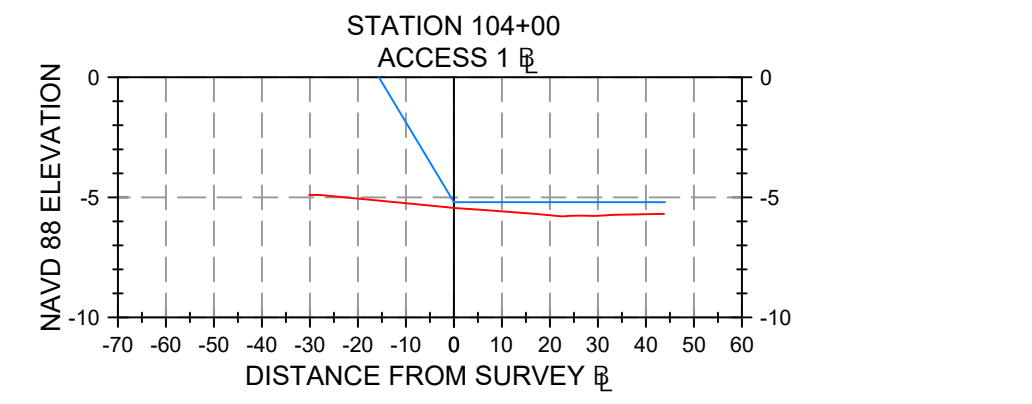
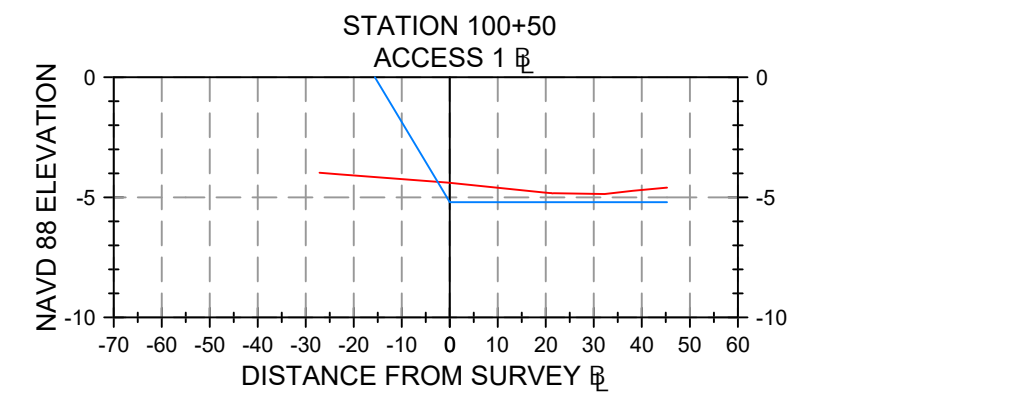
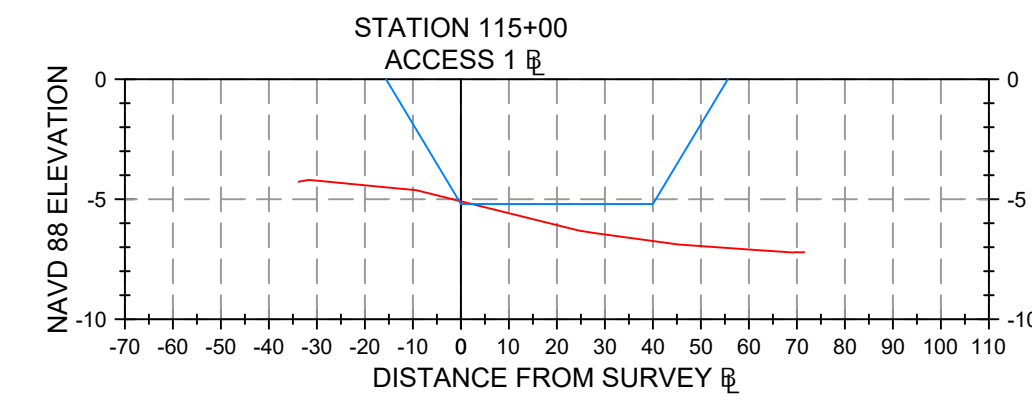
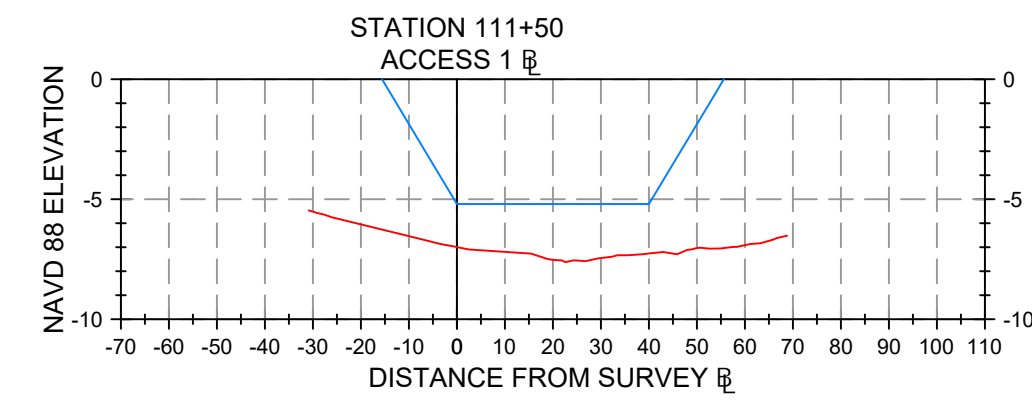
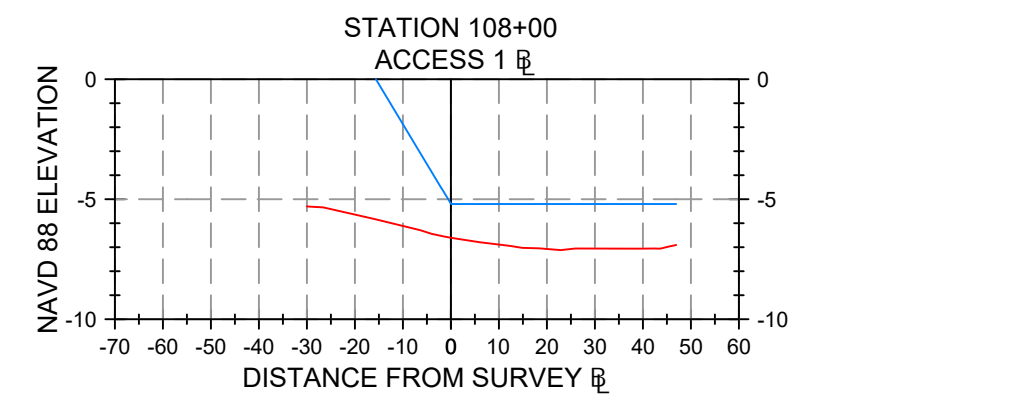
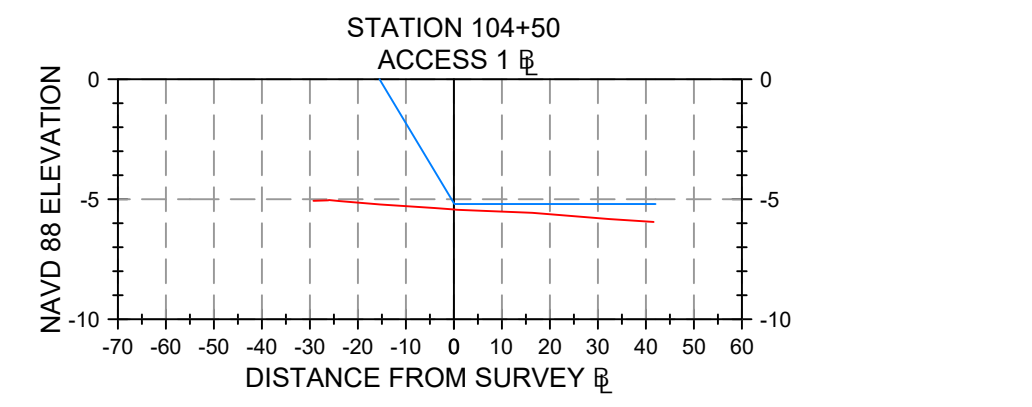
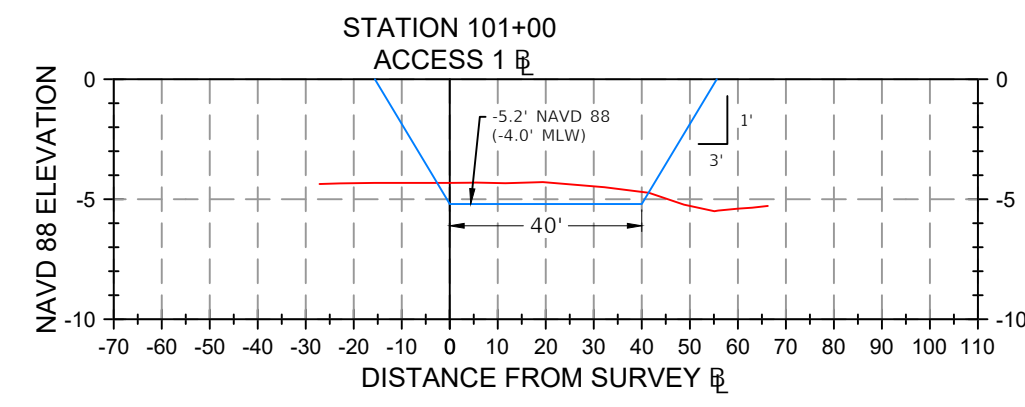
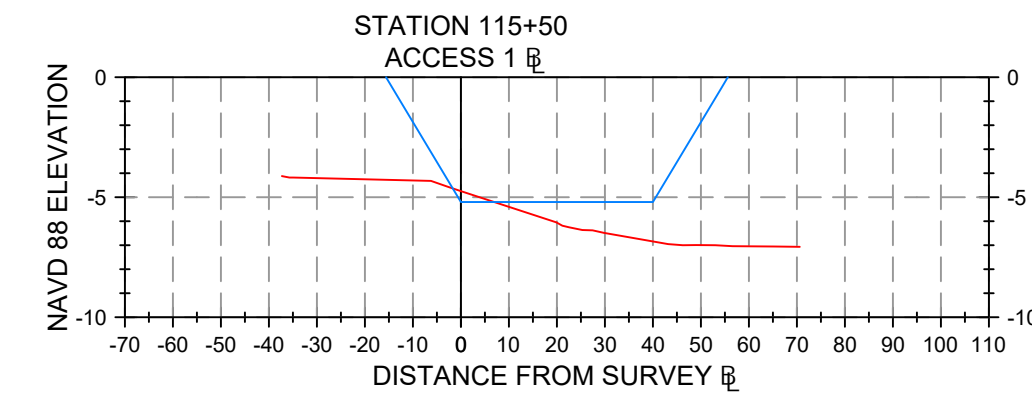
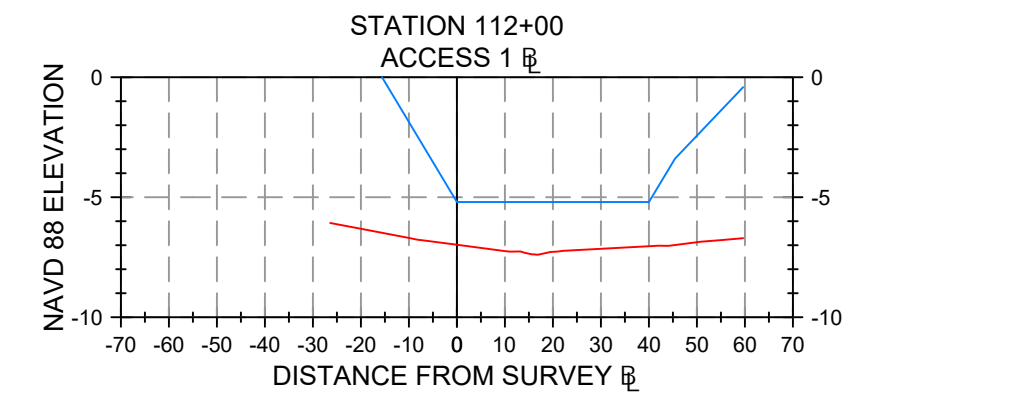
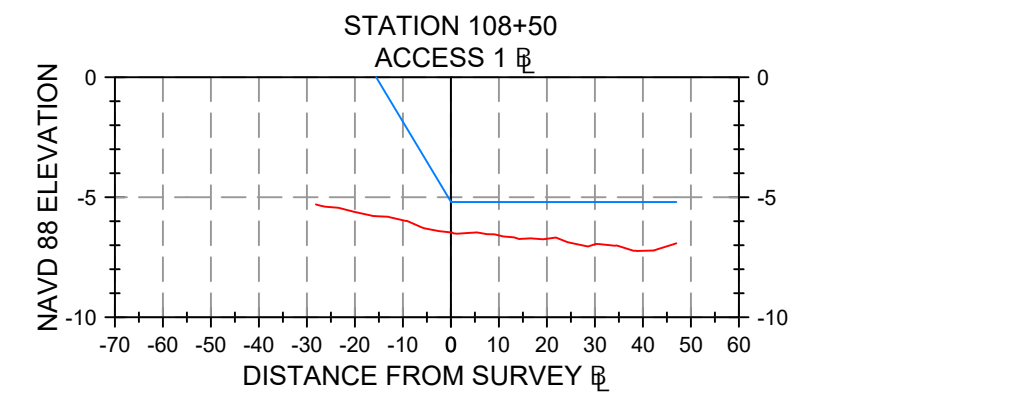
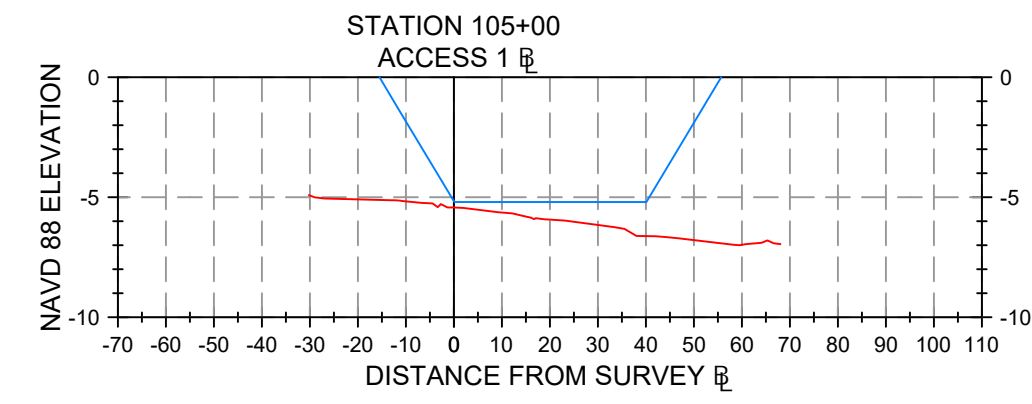
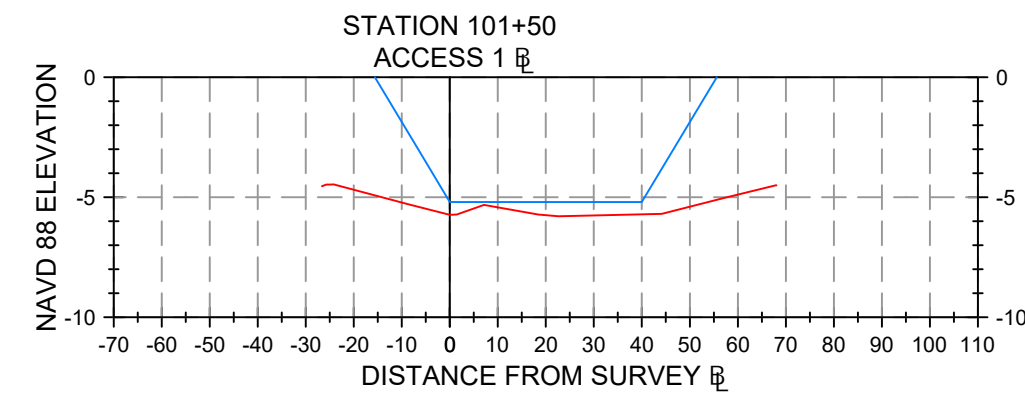
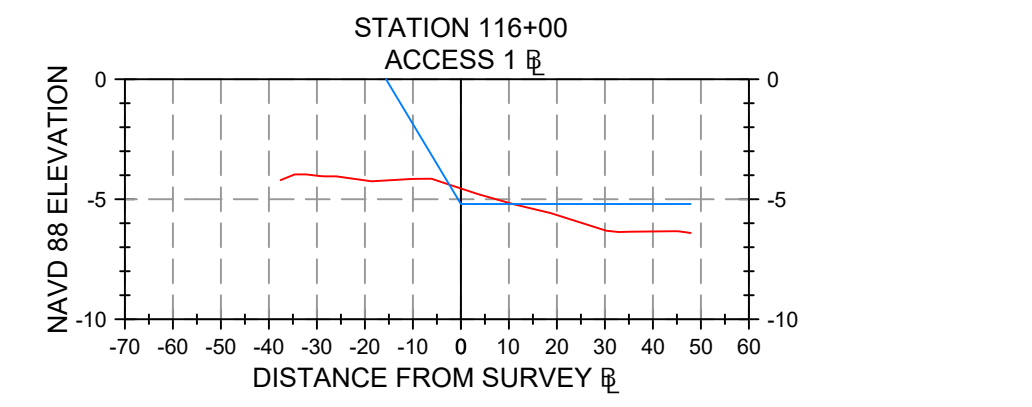
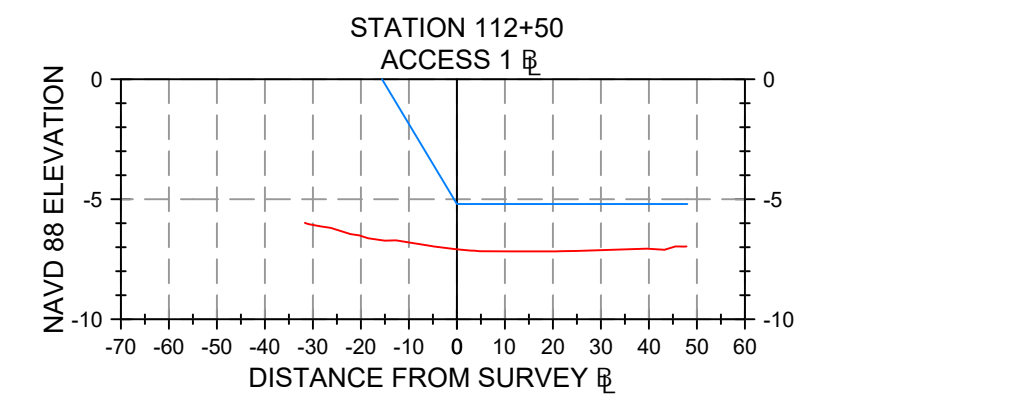
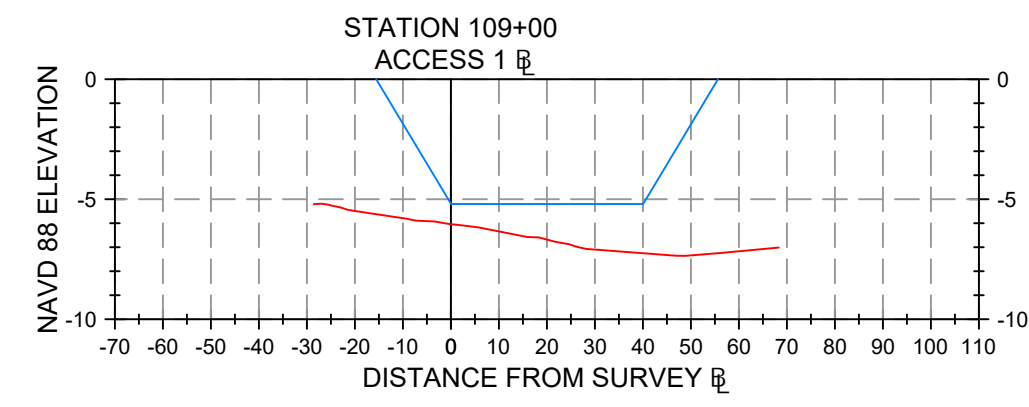
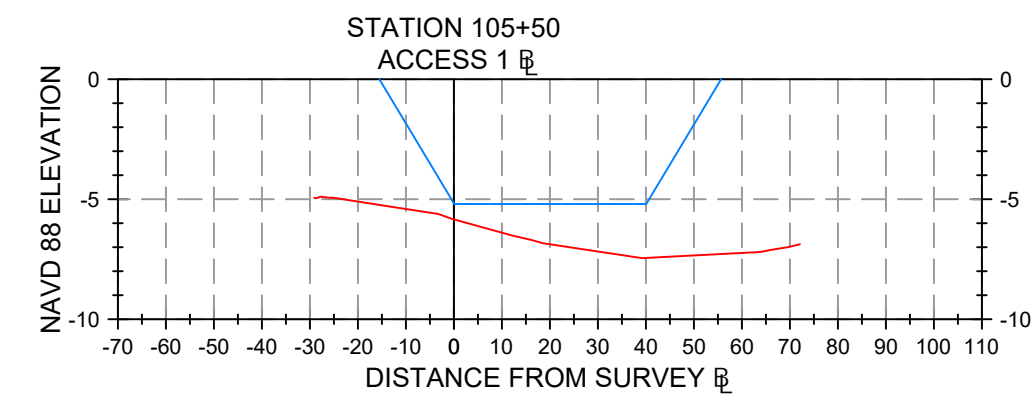
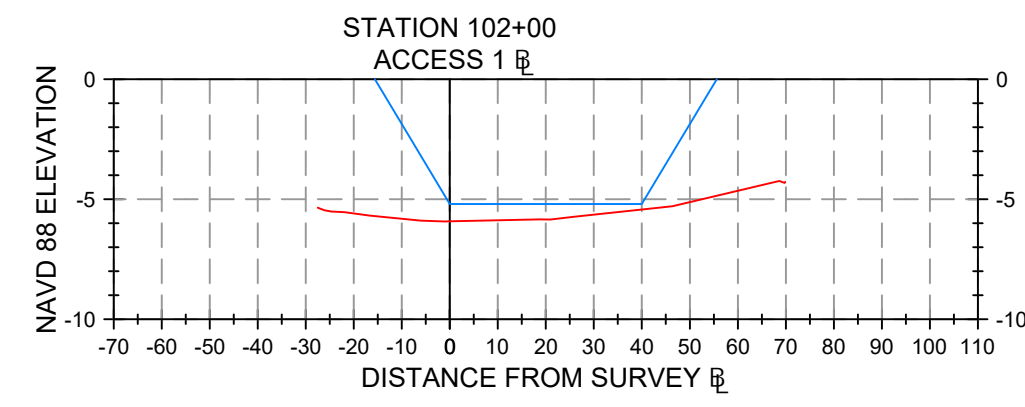
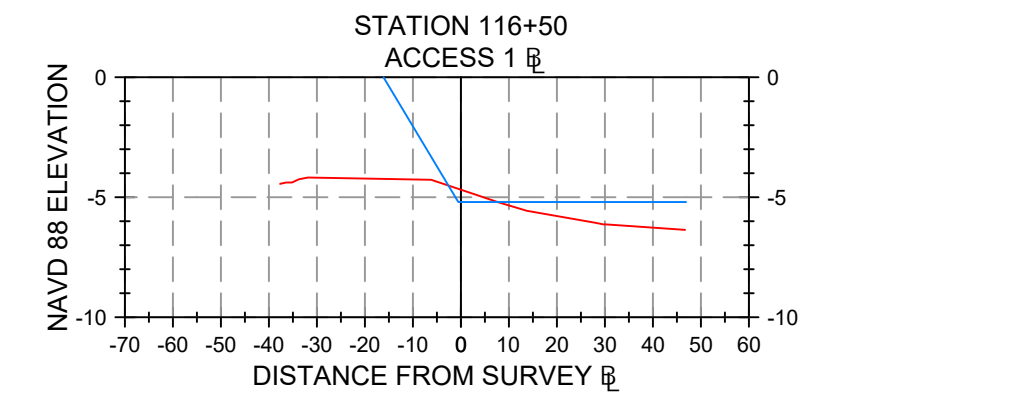
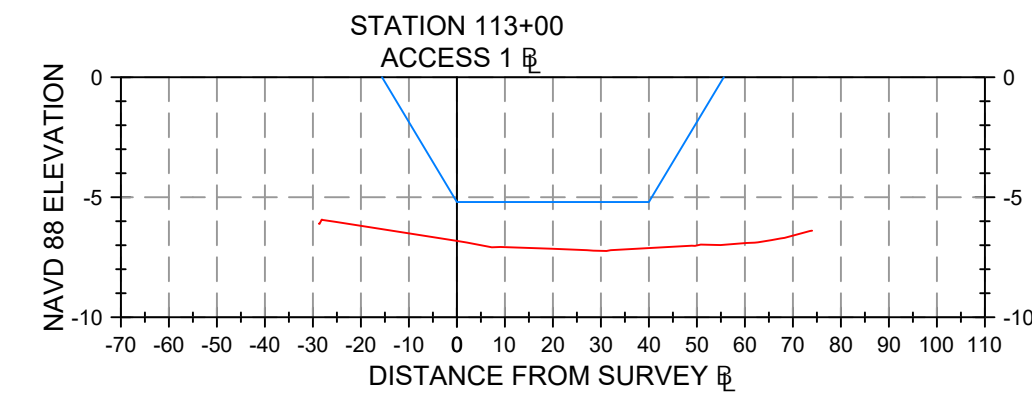
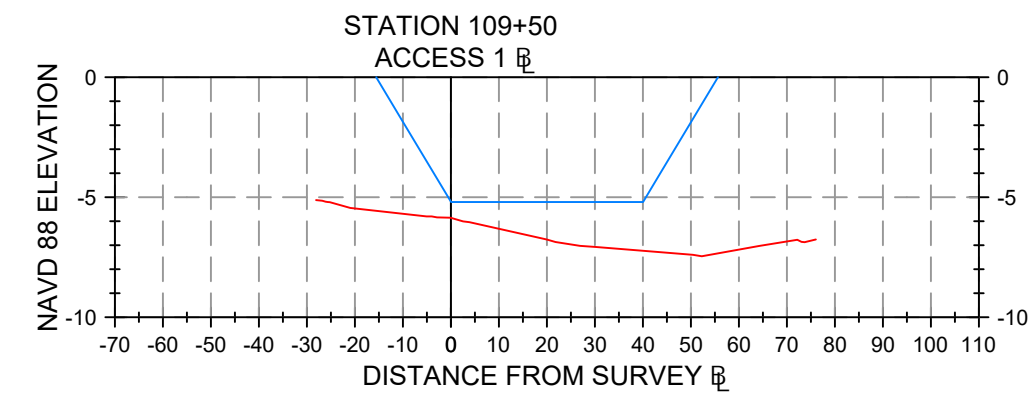
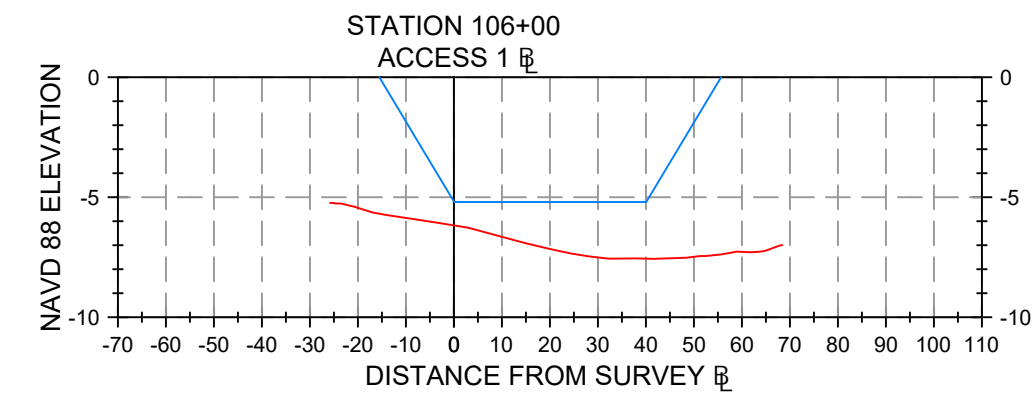
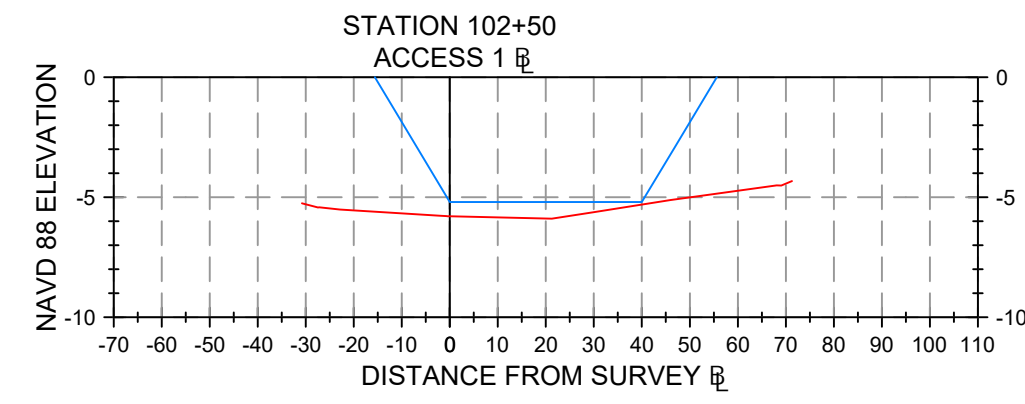
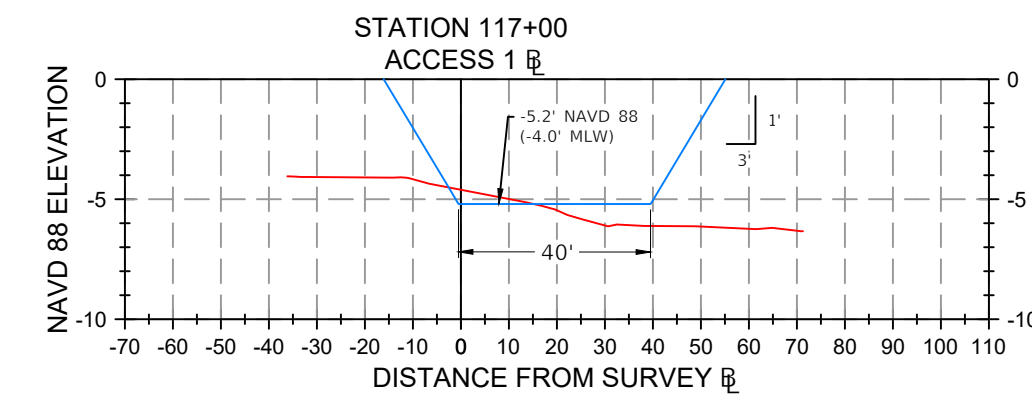
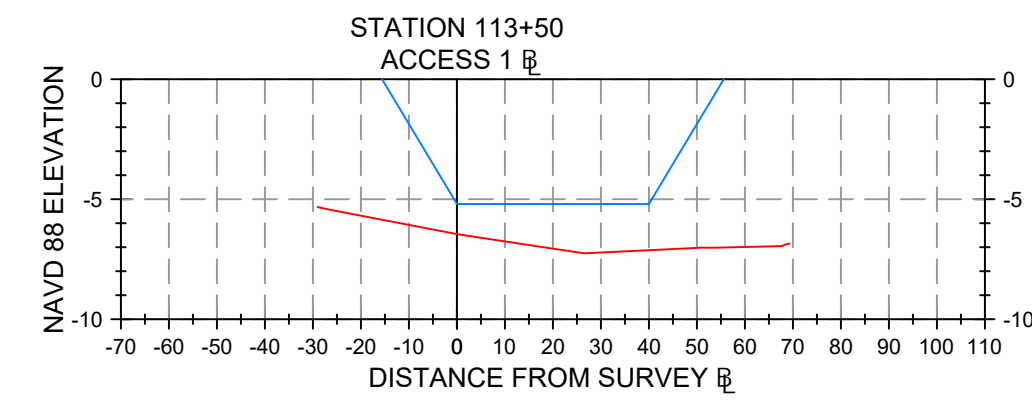
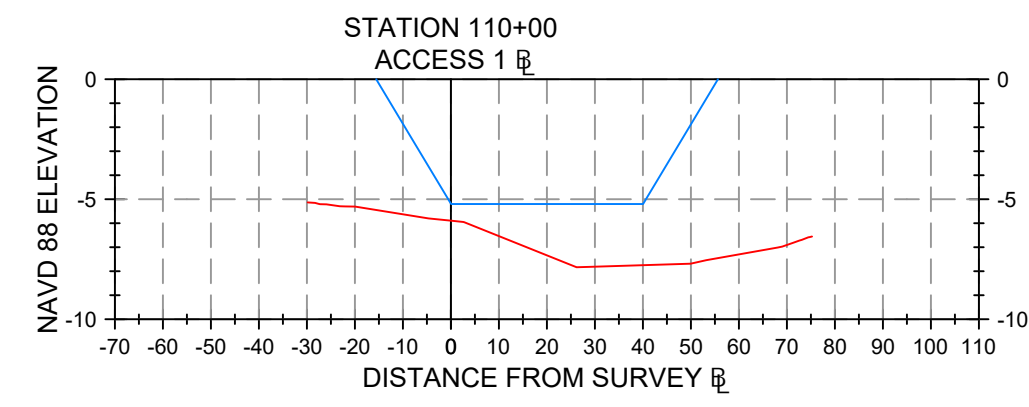
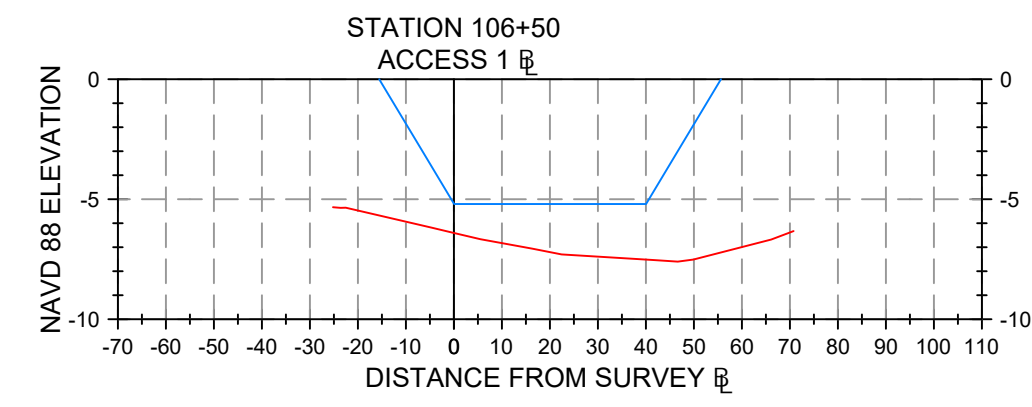
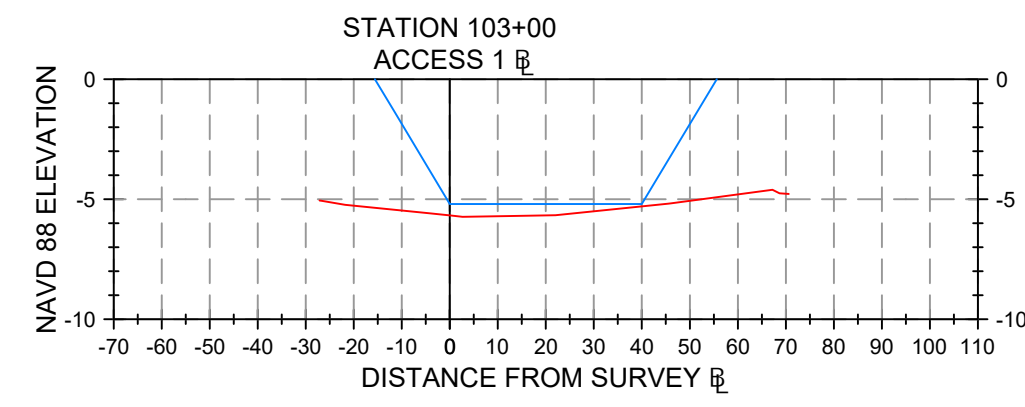
- = BASELINE
- = EXISTING BOTTOM SURFACE
- = DREDGE TEMPLATE
- MLW = MEAN LOW WATER
- NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|  |  |   |  |                          |
|--|--|---|--|--------------------------|
|  |  | <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |  | CLIENT: CHARLOTTE COUNTY |
| PROJECT NAME: WOP 322 PRE-STORM BATHYMETRIC SURVEYS<br>PREPARED BY: AIM ENGINEERING & SURVEYING, INC.                                  |  | CERTIFICATE OF AUTHORIZATION No. 3114<br>DATE: 04/21/2025<br>DT: 05/09/2025   |  |                          |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) AND/OR CHANGES TO DRAWING(S) FOR ENGINEERING & SURVEYING, INC. IS PROHIBITED. |  | FIELD BOOK: SEE NOTE 11   |  |                          |
| PROJECT NO.: 24-1940-PH307<br>COUNTY: CHARLOTTE<br>SHEET: 19<br>OF: 43   |  | DATE: 05/09/2025<br>DT: 05/09/2025  |  |                          |

SECTION SHEET LEGEND:

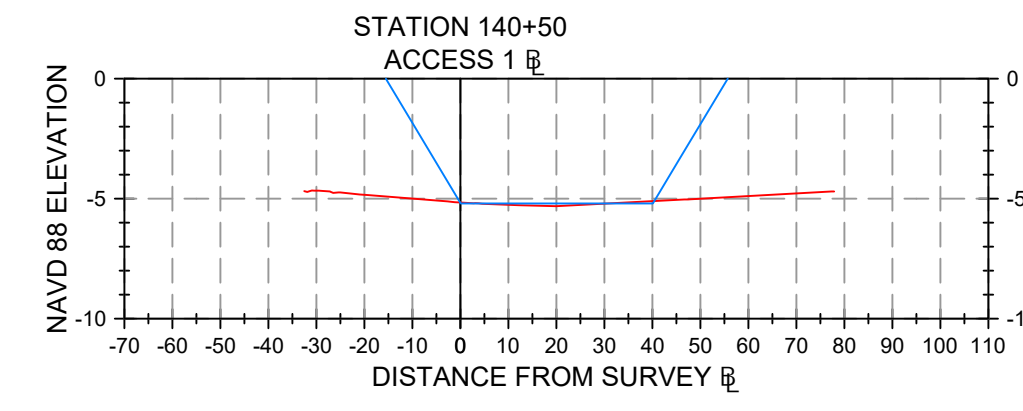
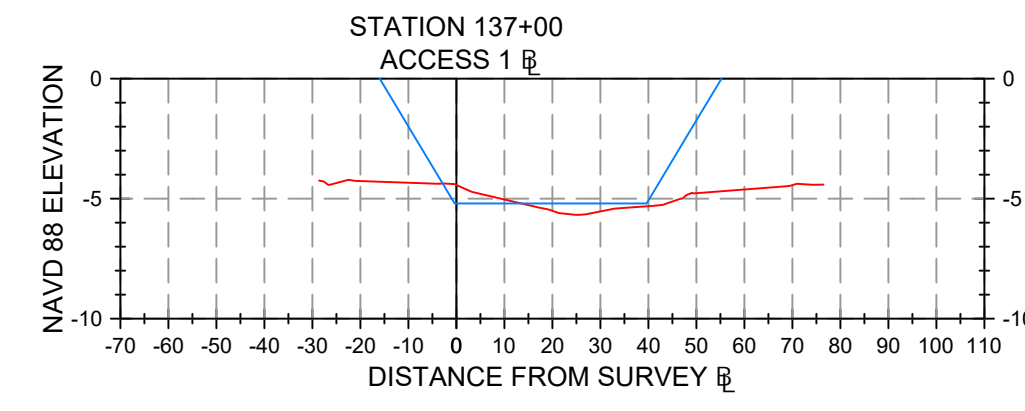
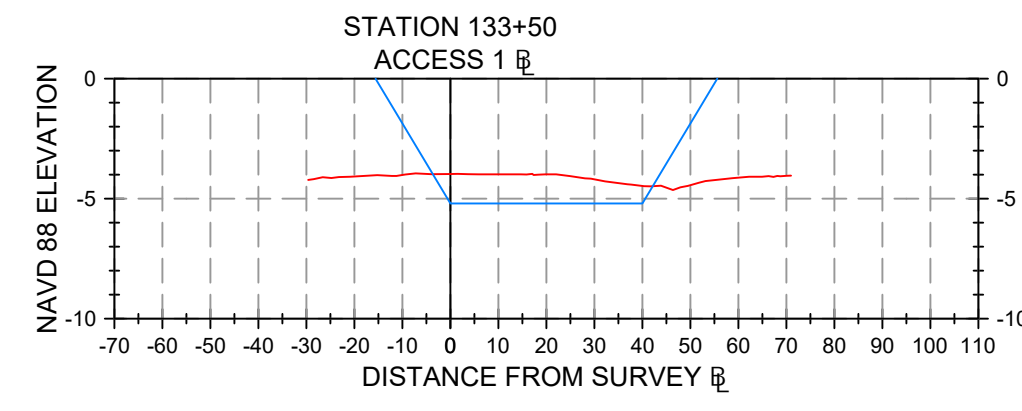
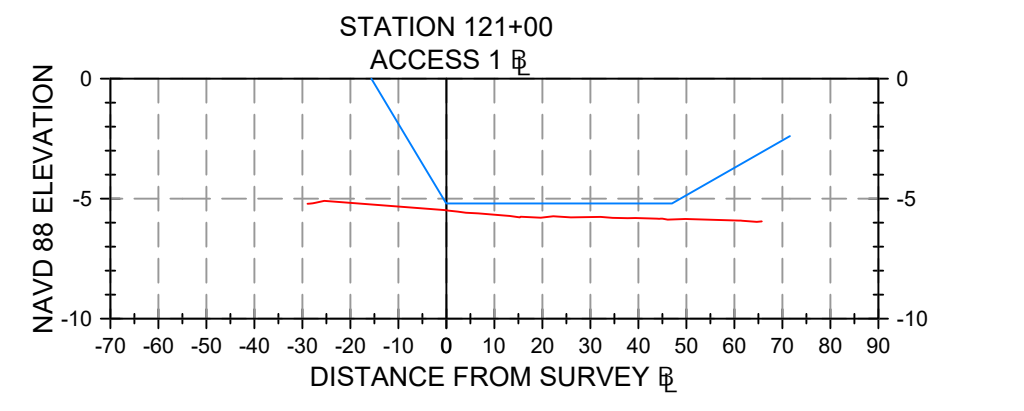
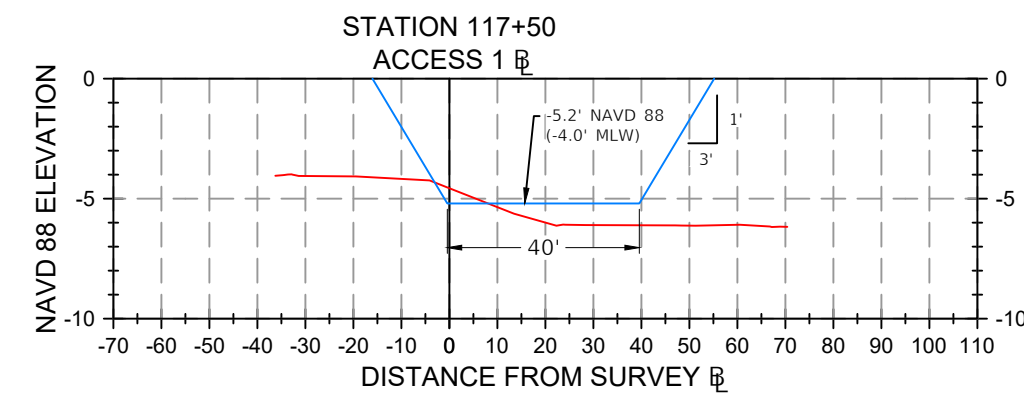
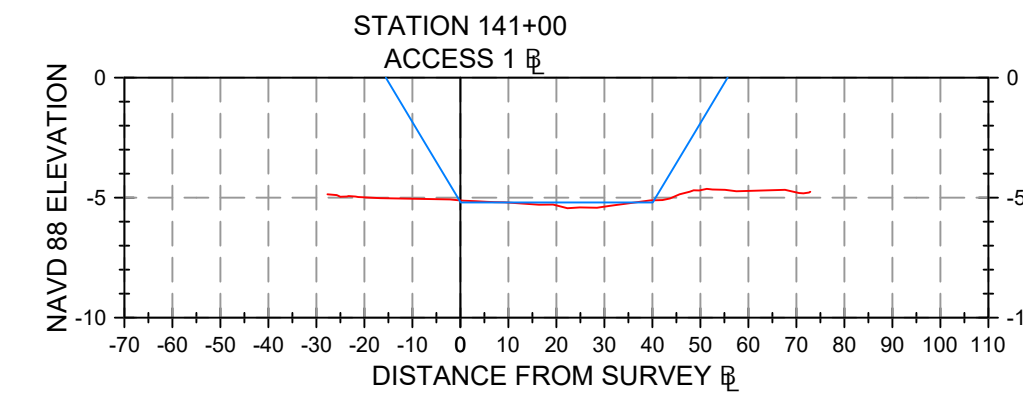
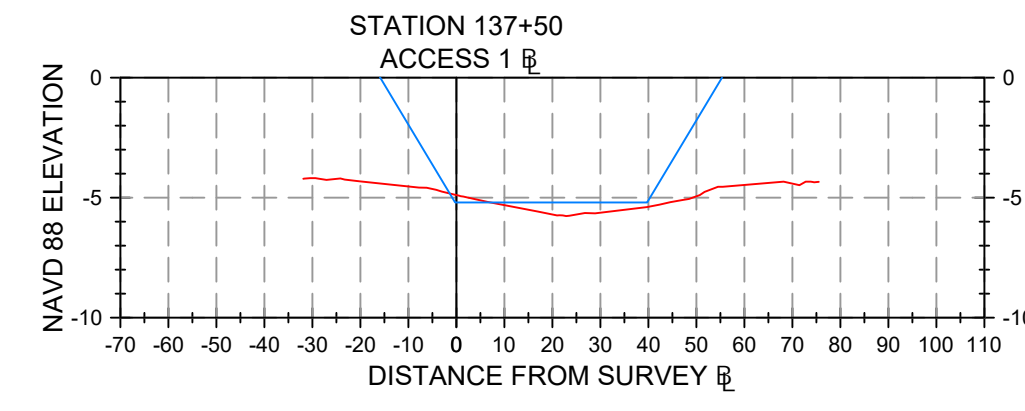
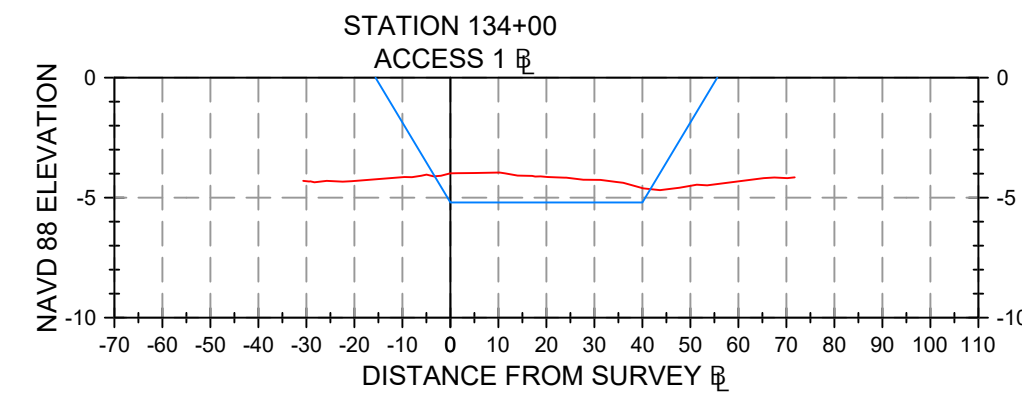
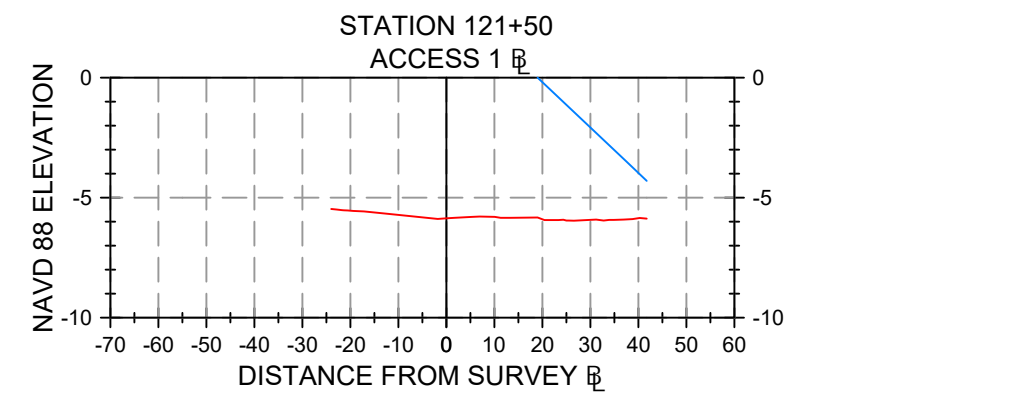
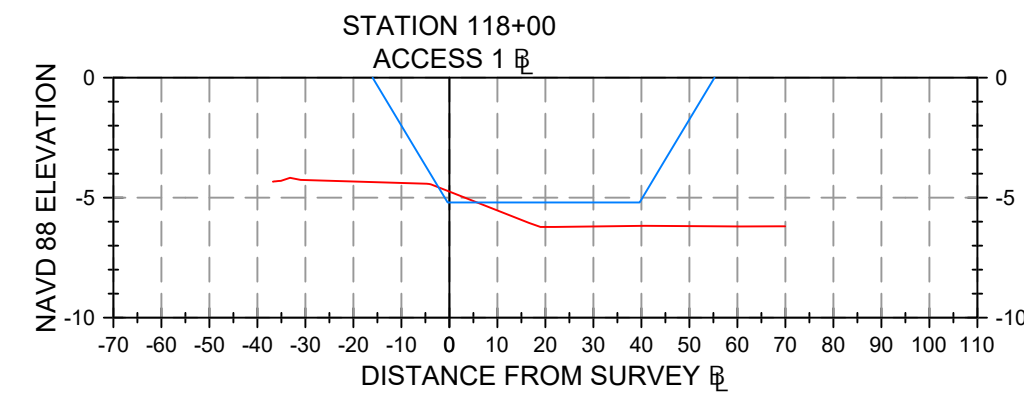
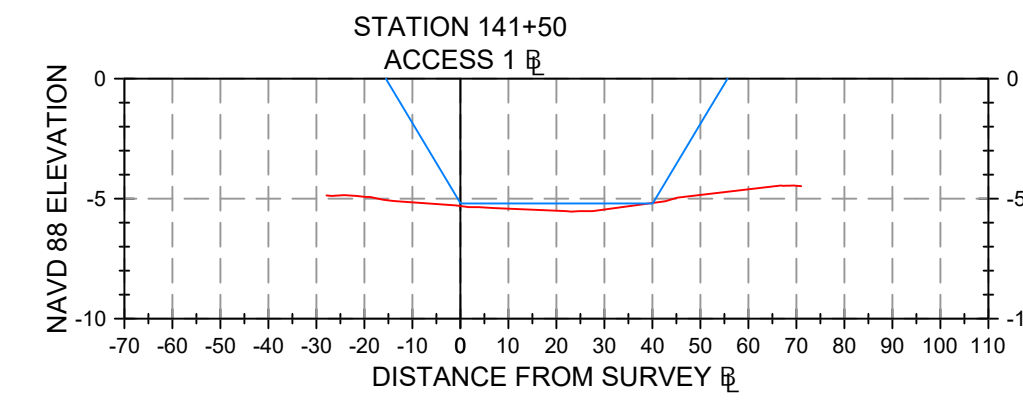
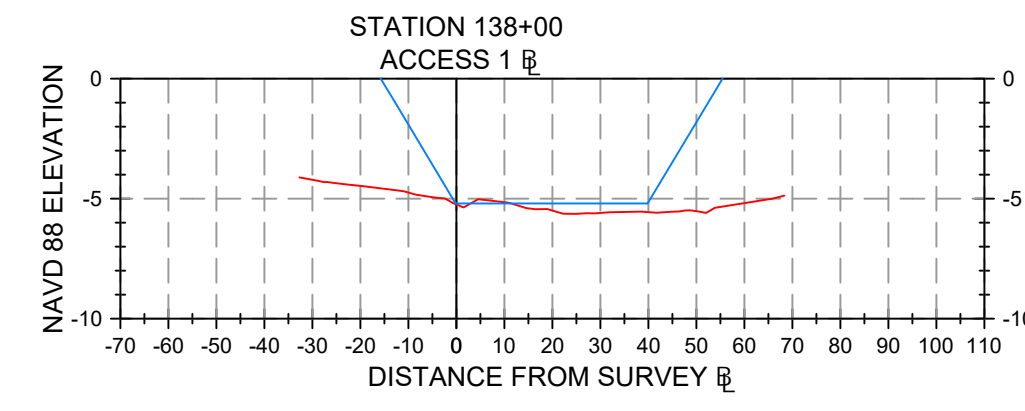
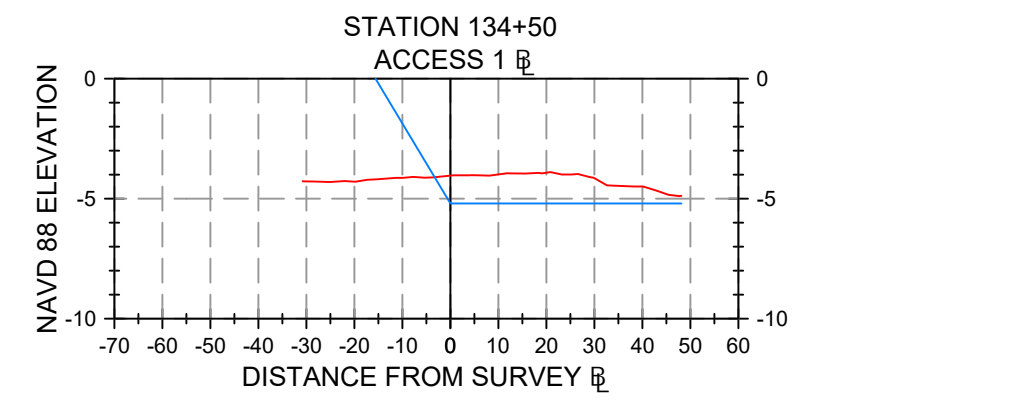
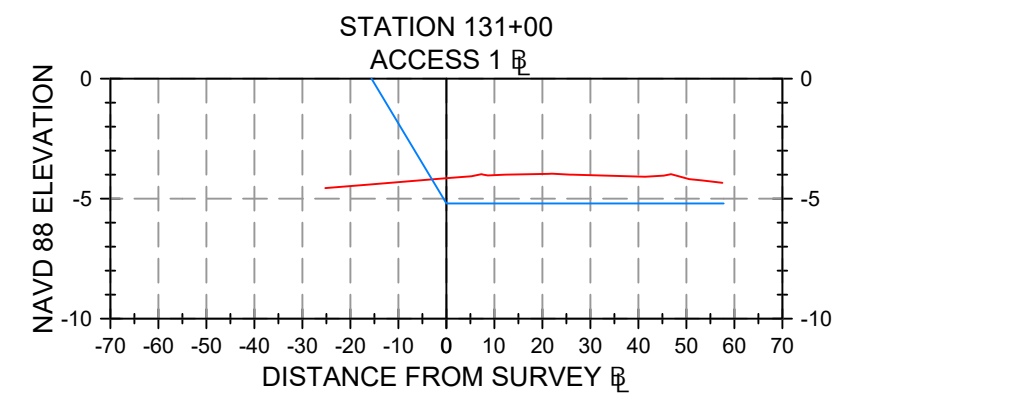
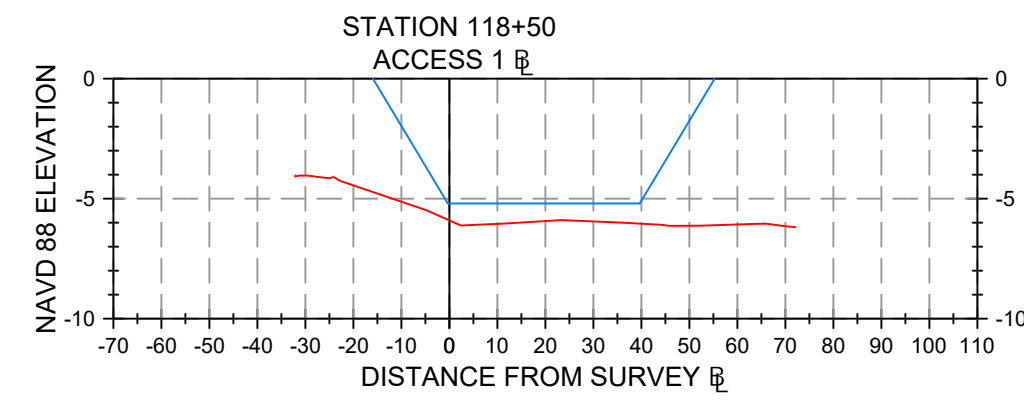
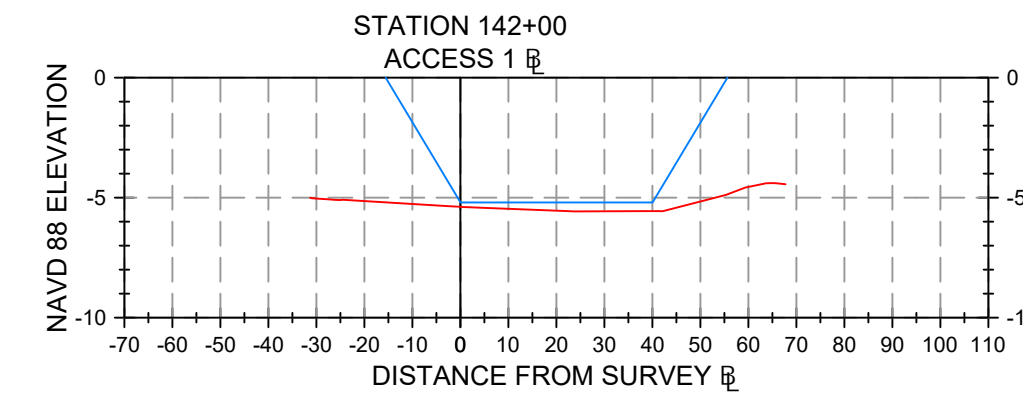
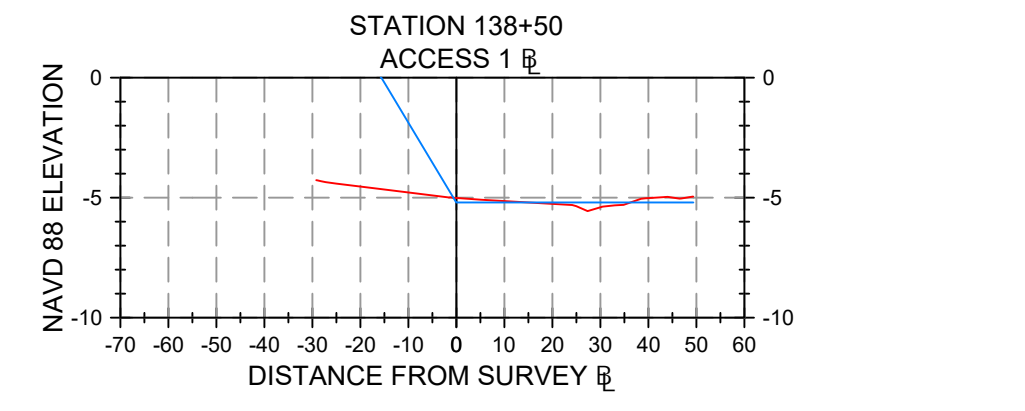
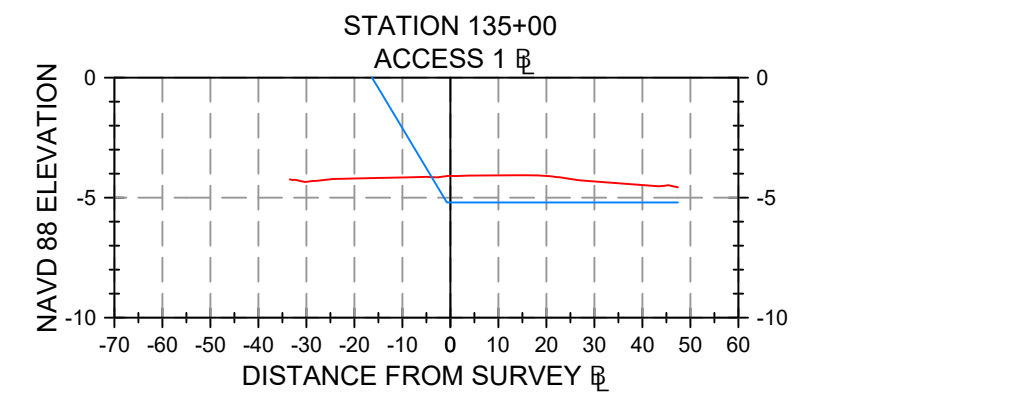
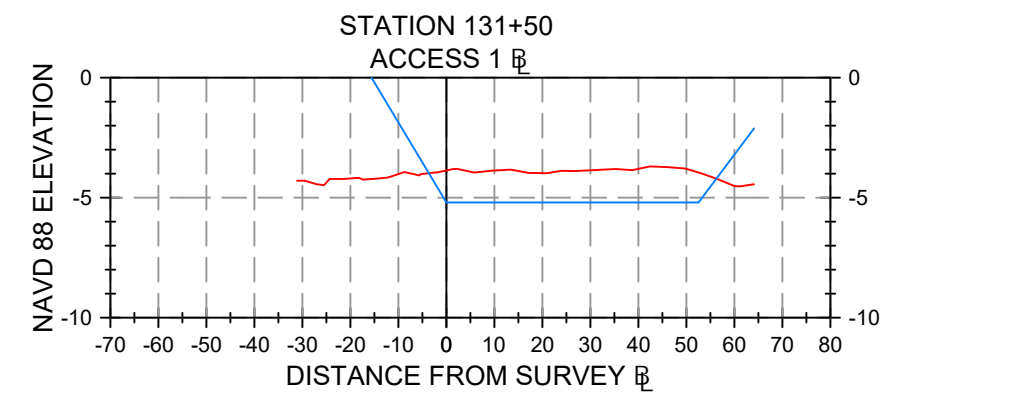
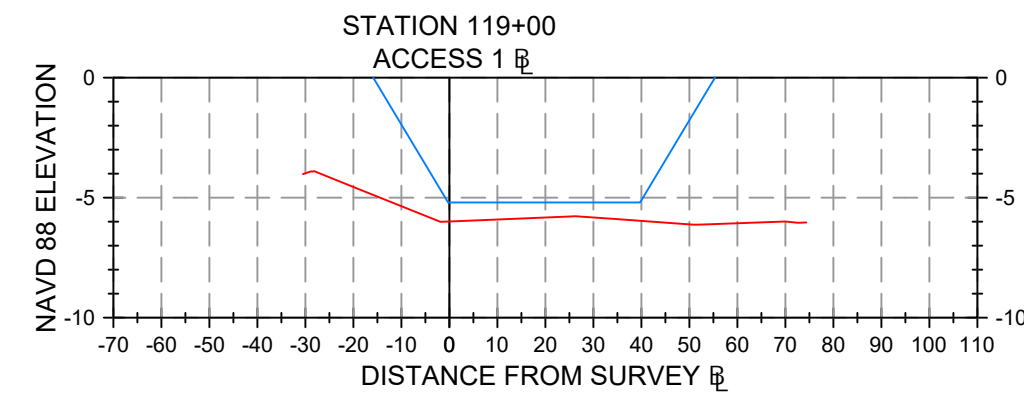
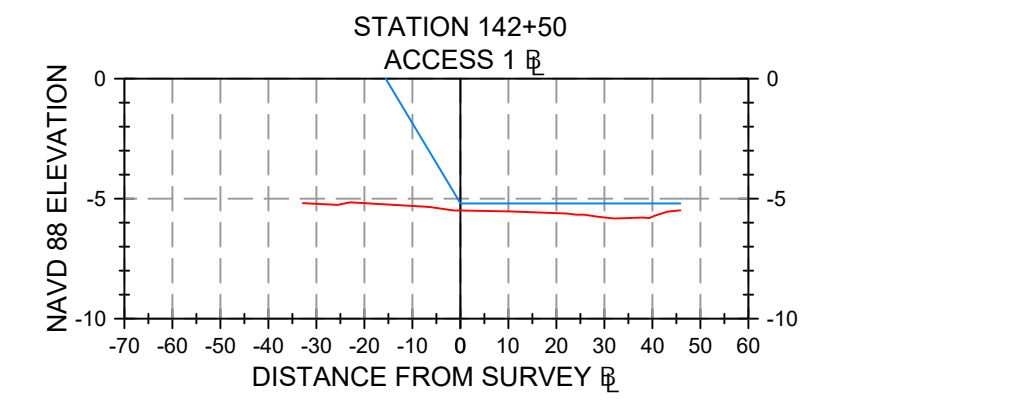
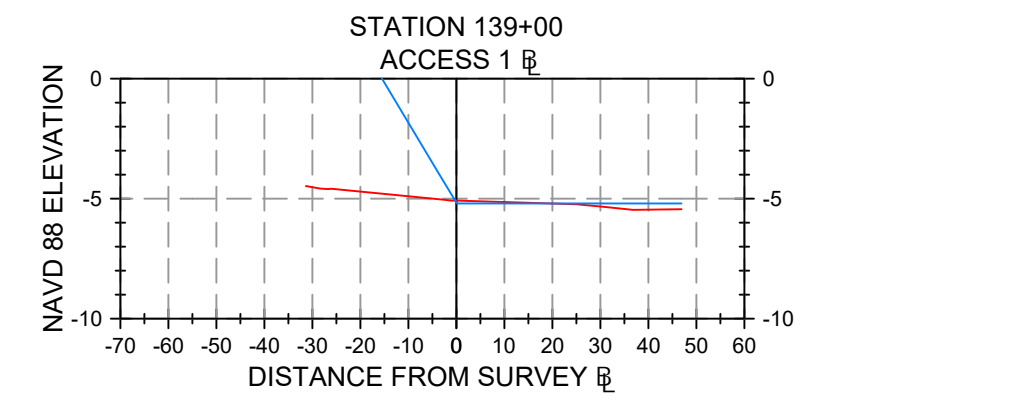
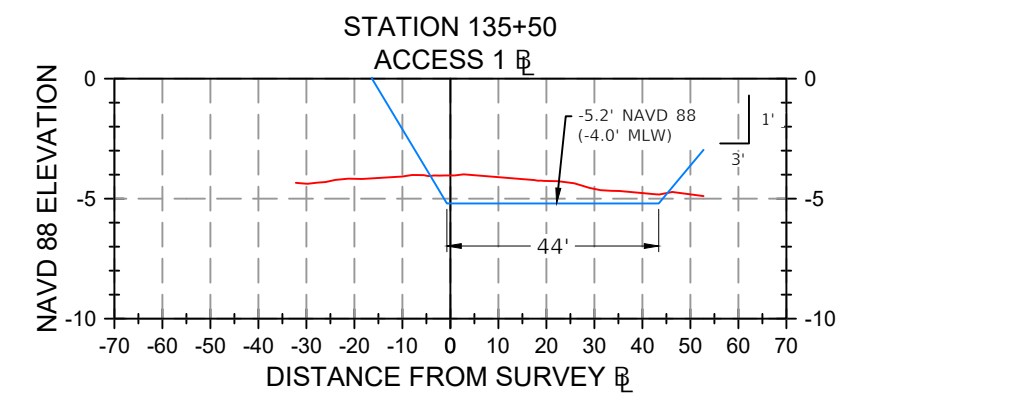
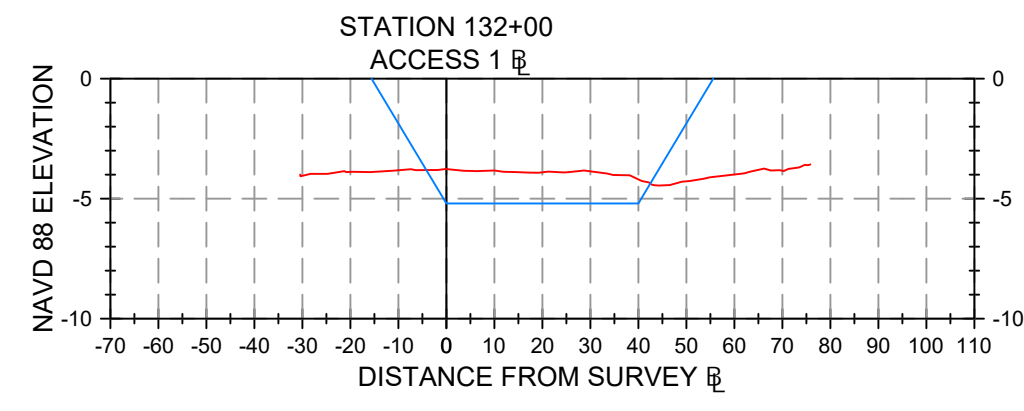
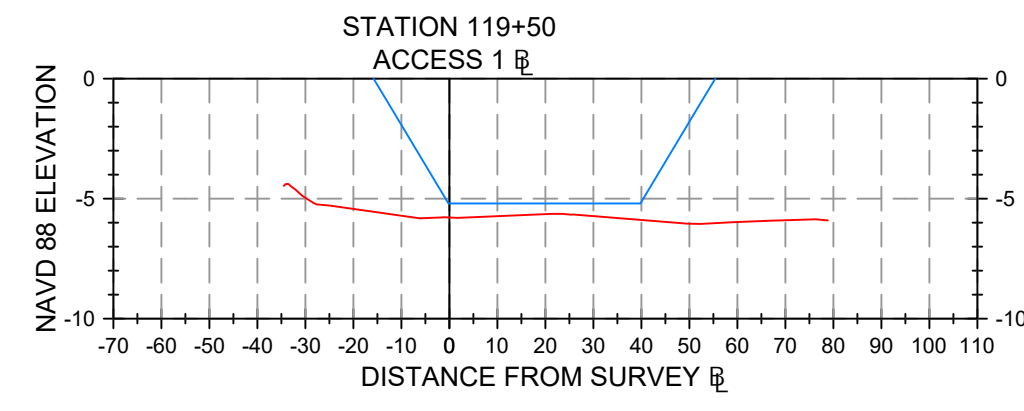
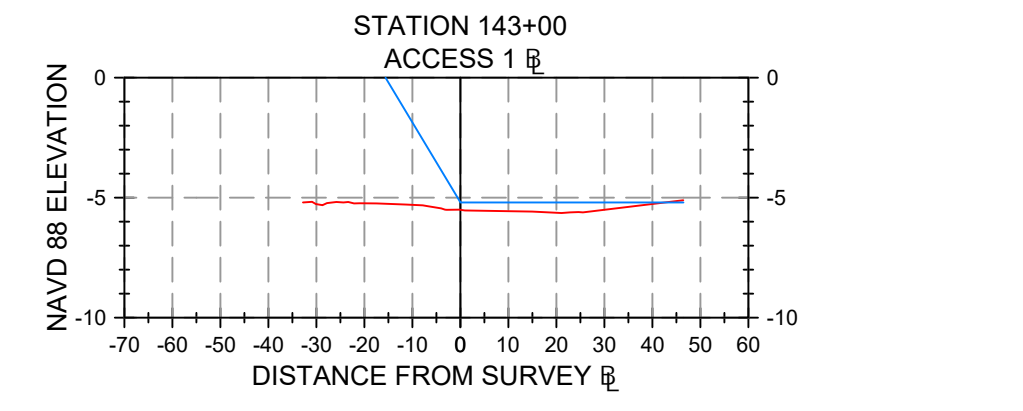
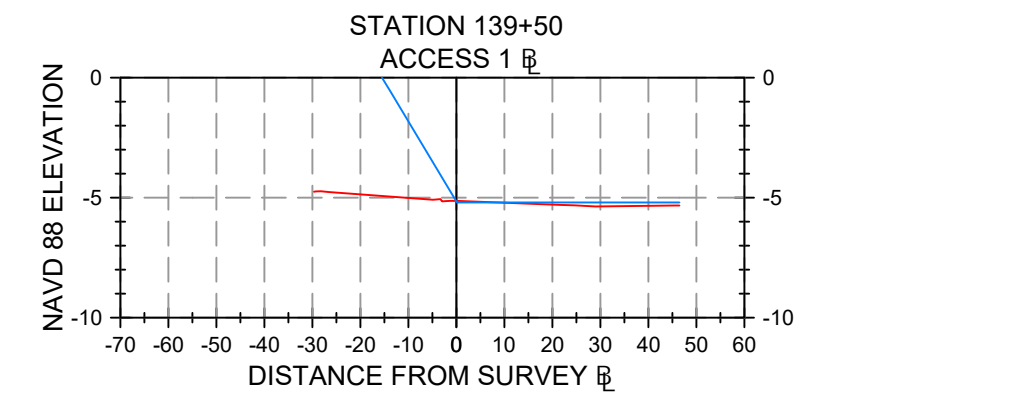
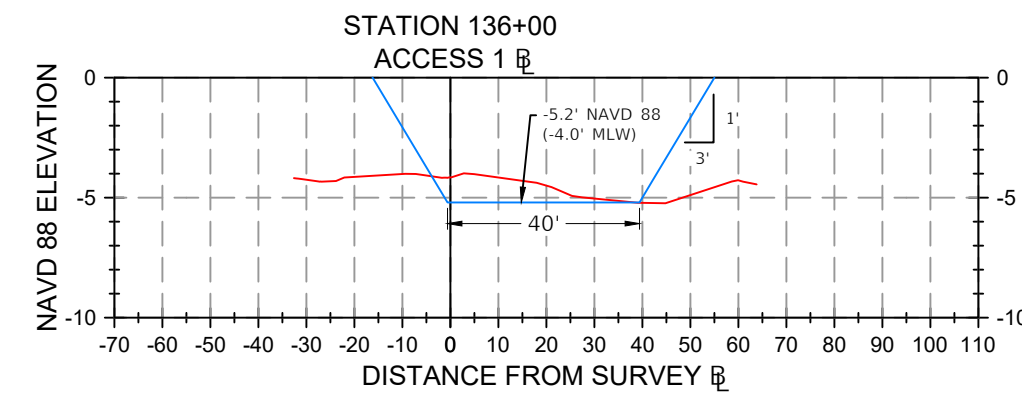
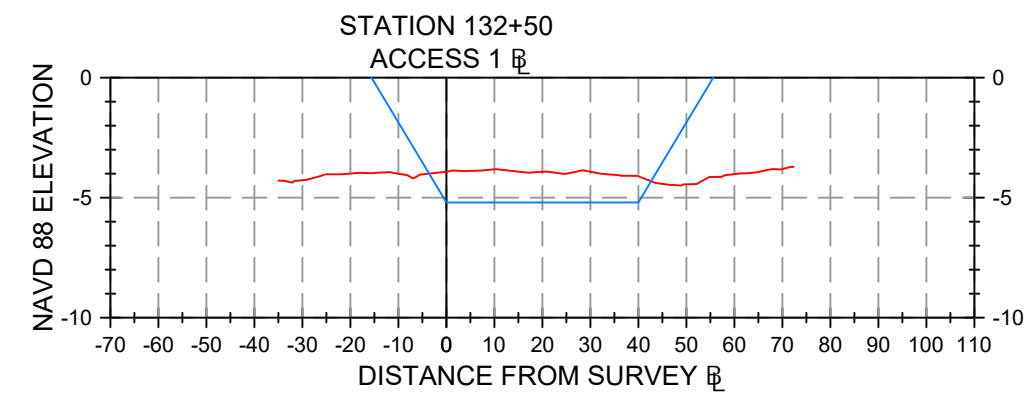
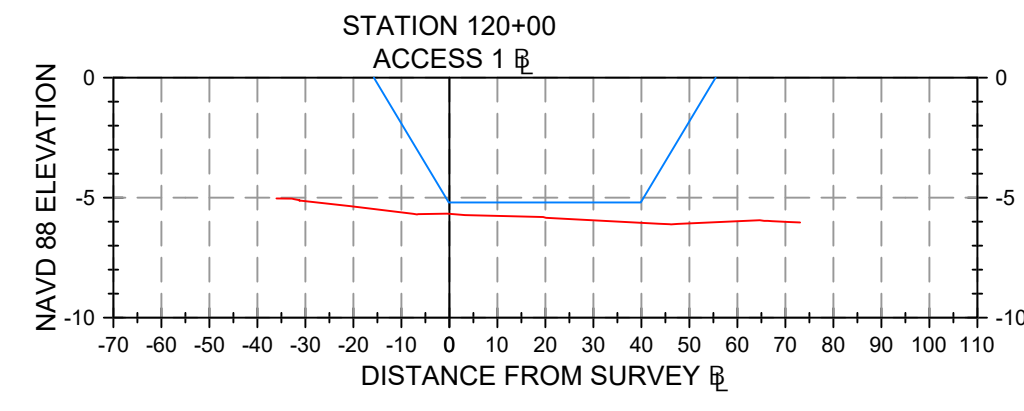
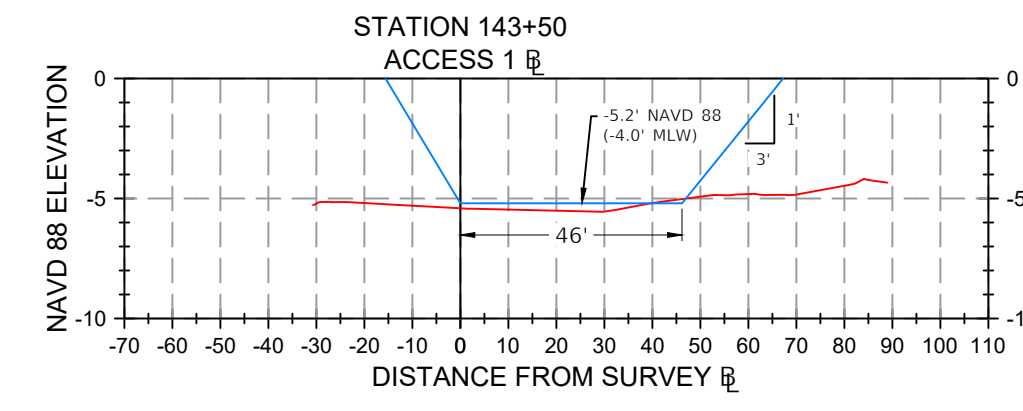
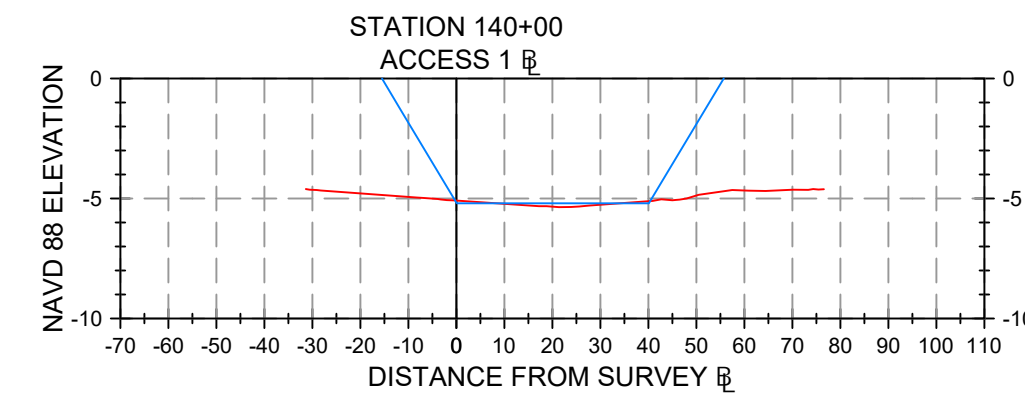
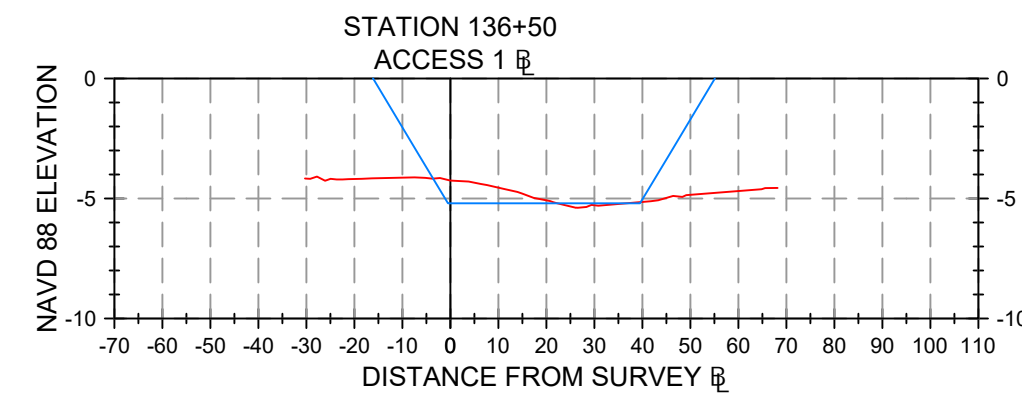
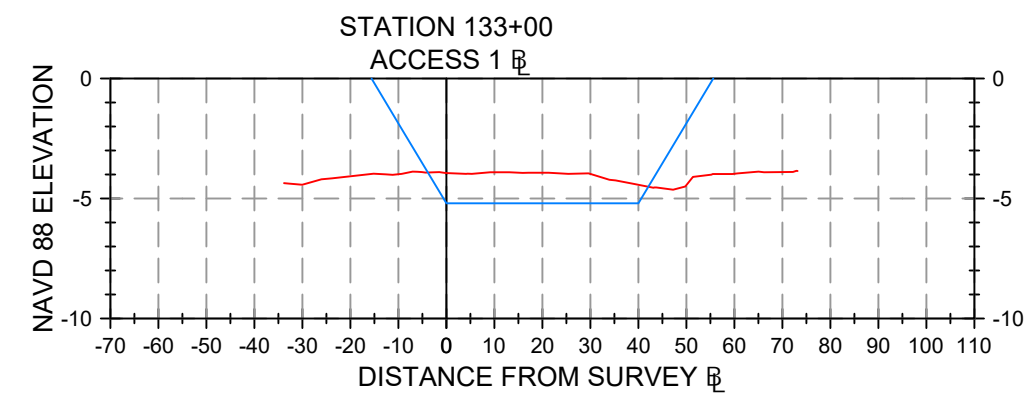
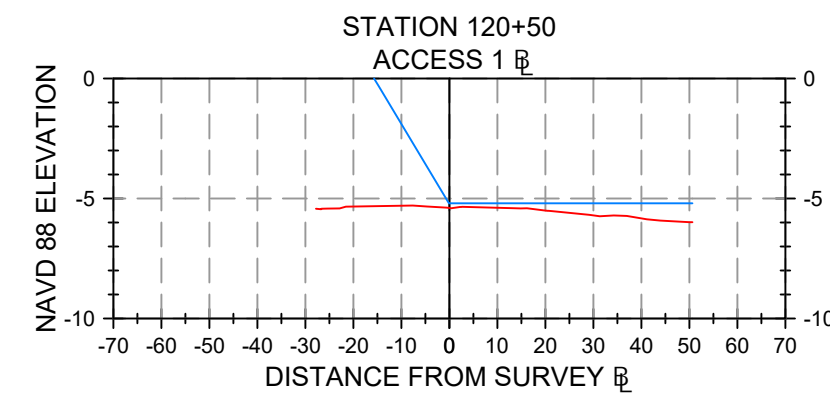
- = BASELINE
- = EXISTING BOTTOM SURFACE
- = DREDGE TEMPLATE
- MLW = MEAN LOW WATER
- NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|   |    |   |
|---|----|---|
| <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |    | DATE: 05/09/2025<br>DT: 04/21/2025<br>RH: |
| CLIENT: CHARLOTTE COUNTY  |    | CHECKED:                                  |
| PROJECT NAME: W04 322 PRE-STORM BATHYMETRIC SURVEYS<br>PREPARED BY: AIM ENGINEERING & SURVEYING, INC.   |    | DATE:                                     |
| SEE SHEET 1<br>DARREN TOWSE/END<br>PROFESSOR OF SURVEYING<br>FLORIDA CERTIFICATE NO. 4676   |    | DT:                                       |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) AND/OR CHANGES TO DRAWING(S) SHALL BE MADE TO THE ORIGINAL DRAWING(S) AND NOT TO THIS PRINTED COPY.  |    | DT:                                       |
| FIELD BOOK: SEE NOTE 11   |    | DT:                                       |
| REVISIONS:  |    | DT:                                       |
| No.   | BY | DATE                                      |
| 1   |    |   |
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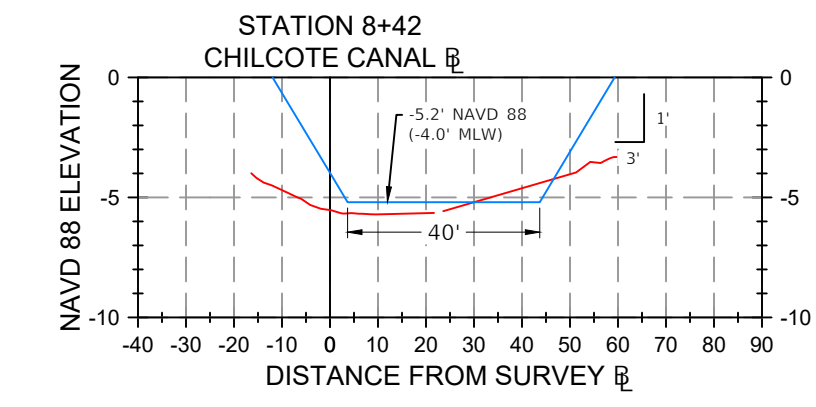
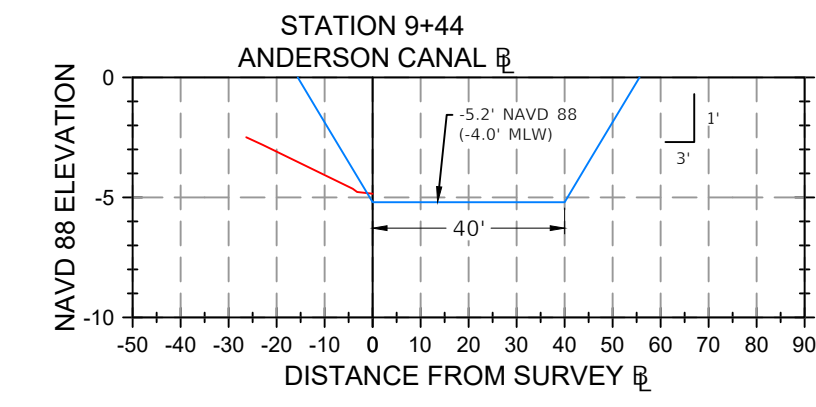
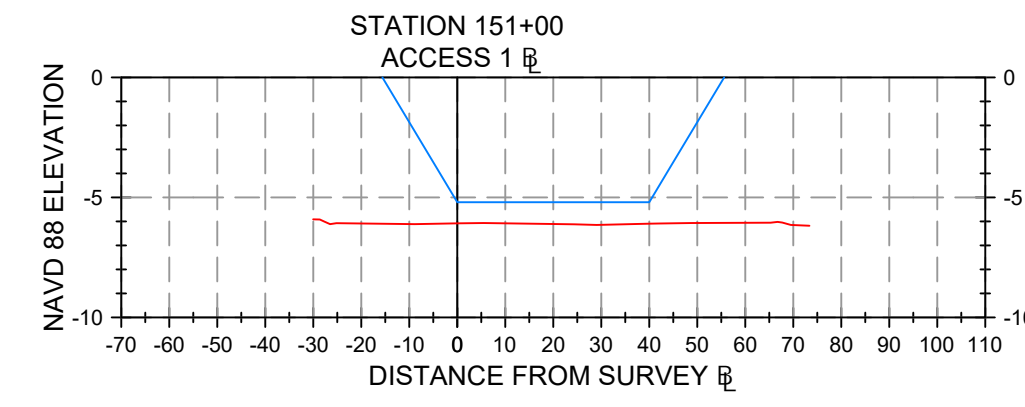
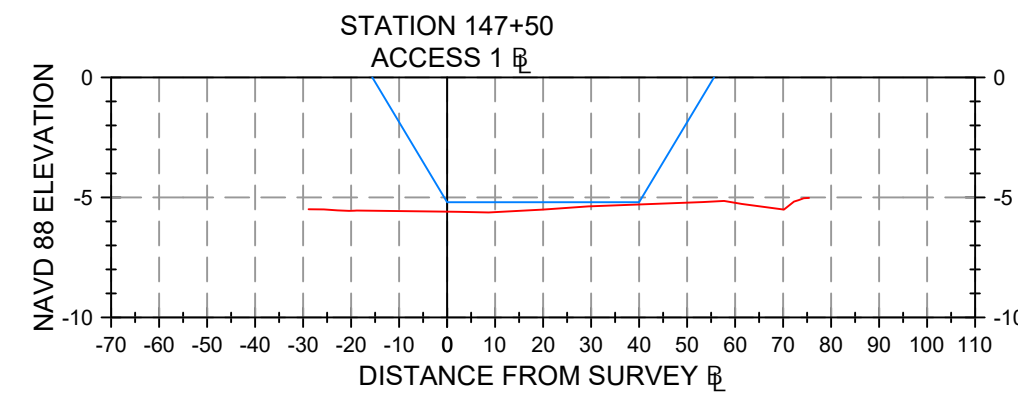
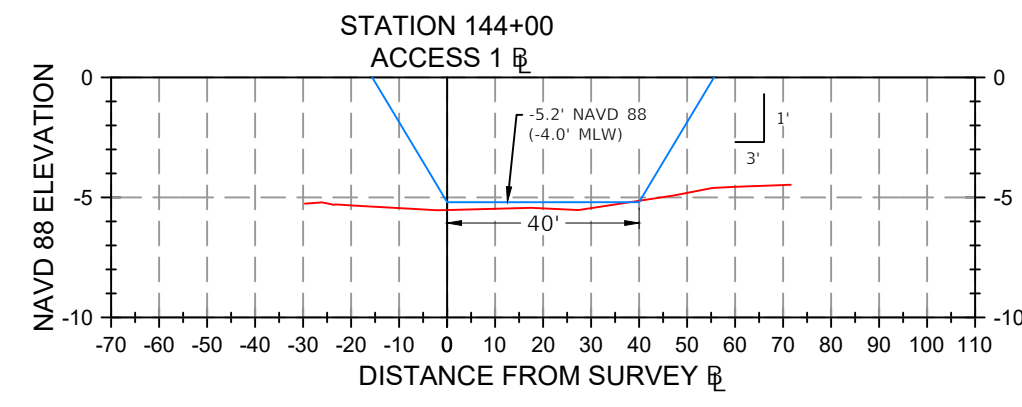
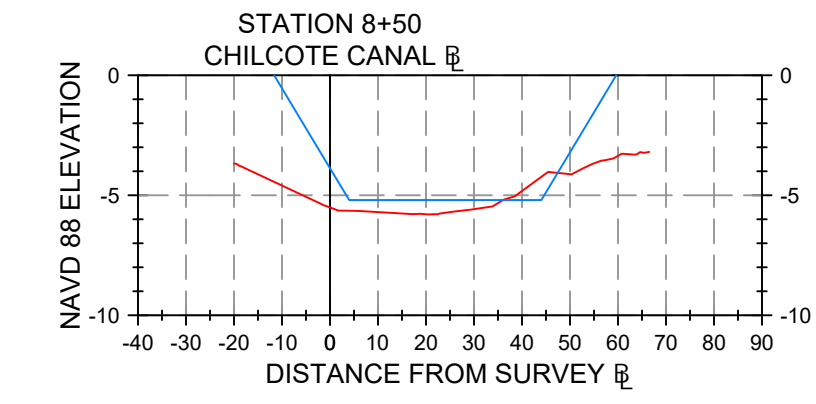
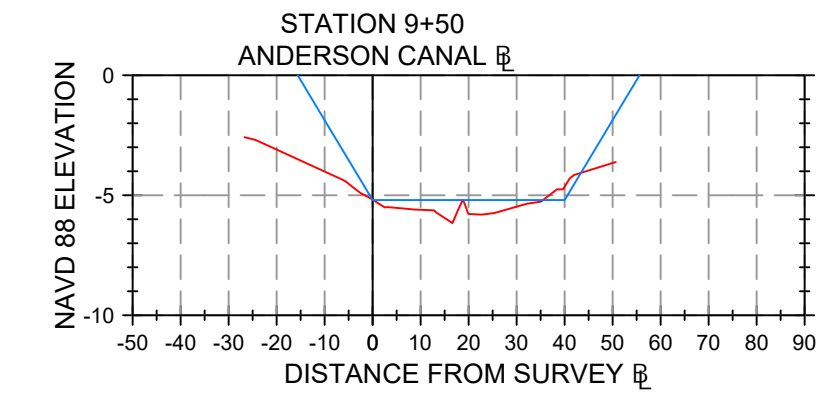
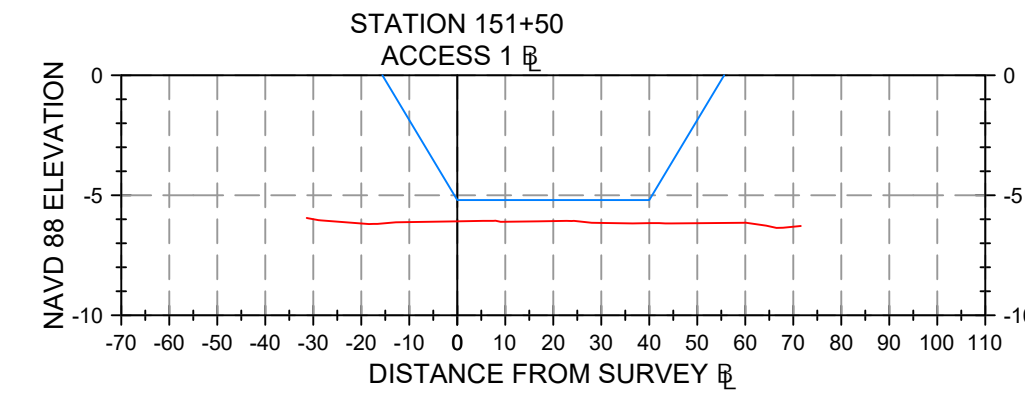
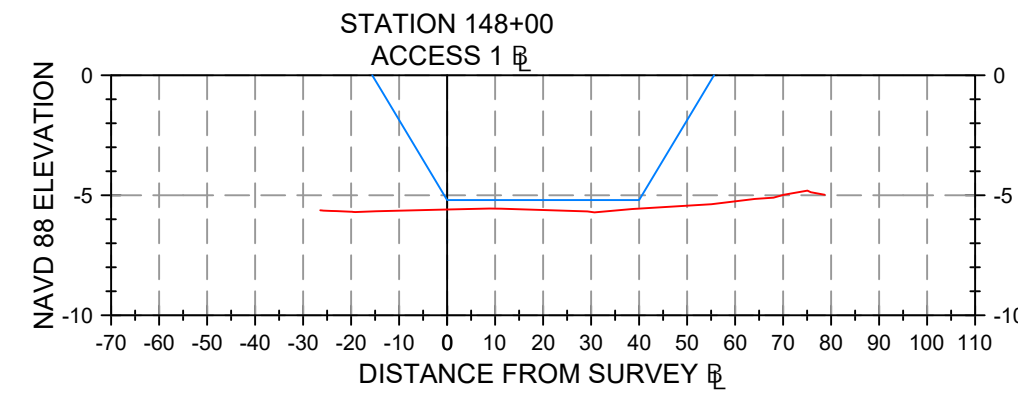
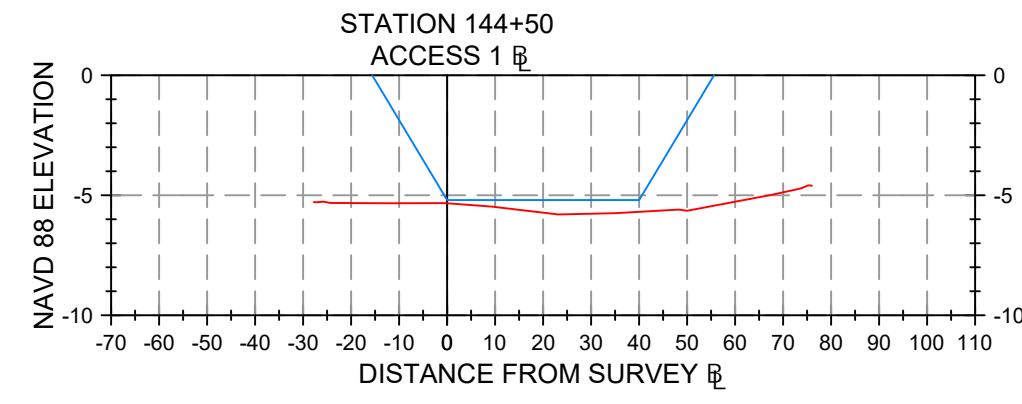
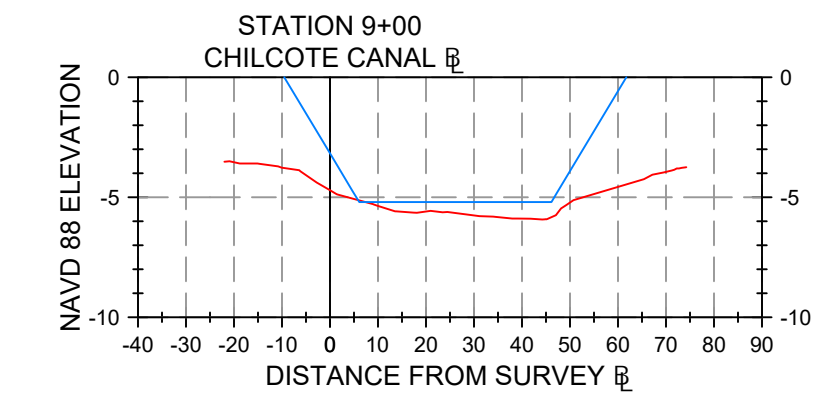
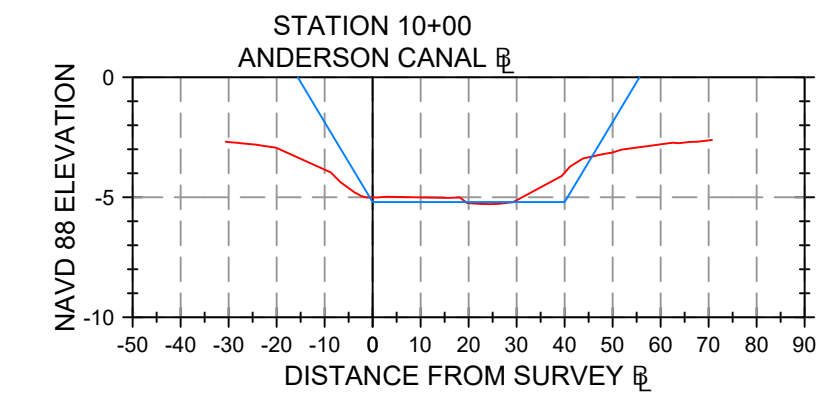
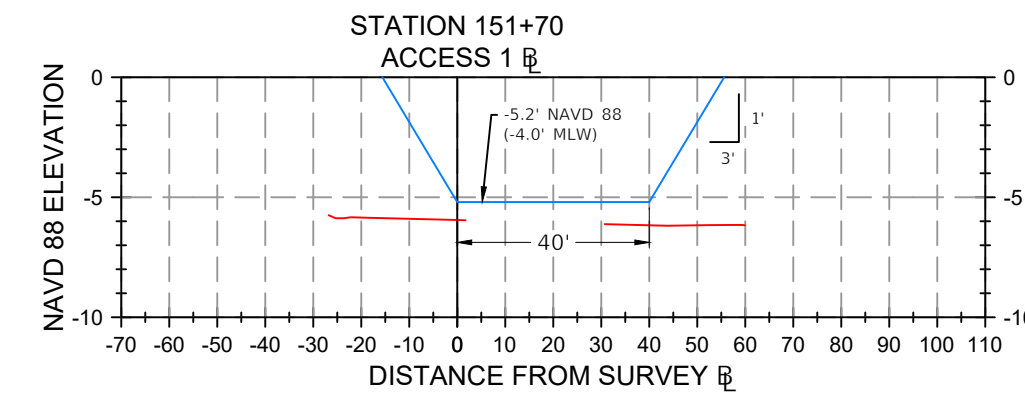
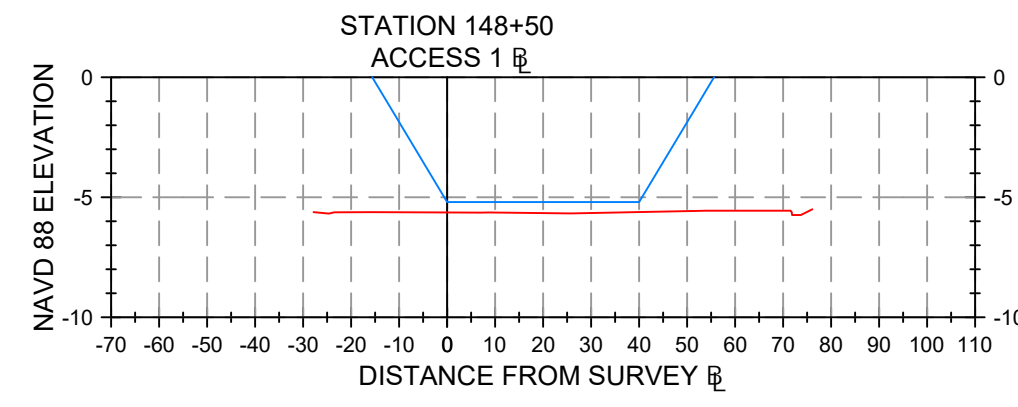
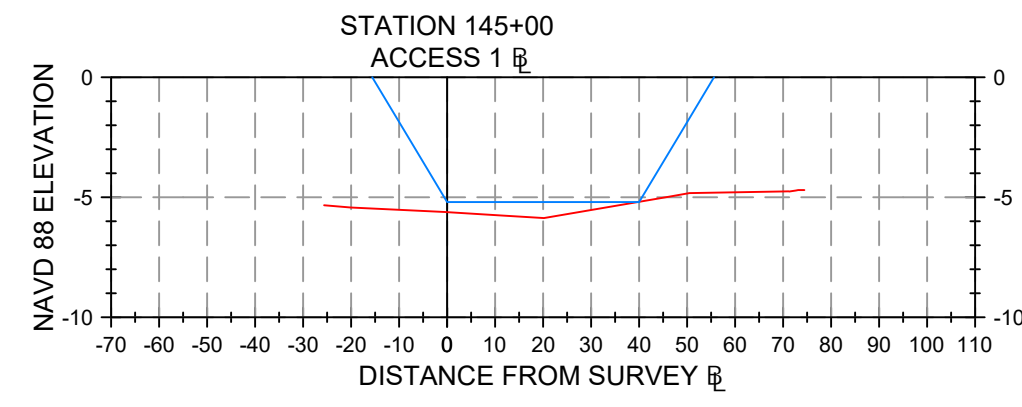
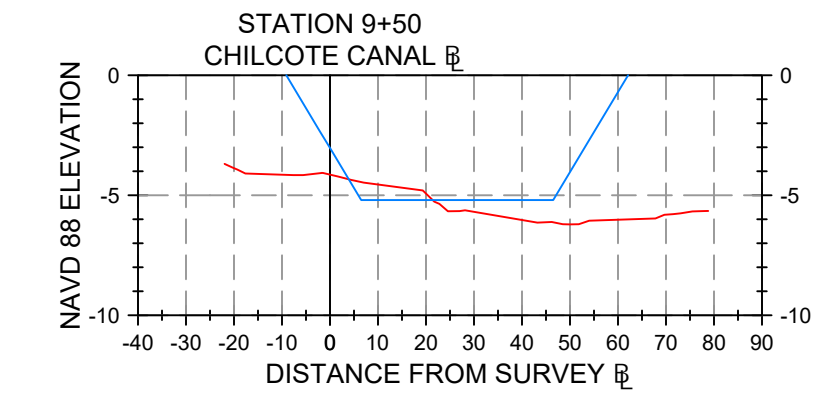
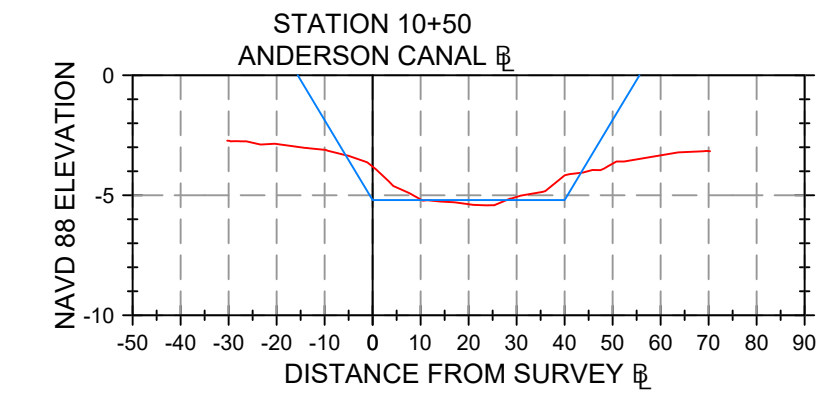
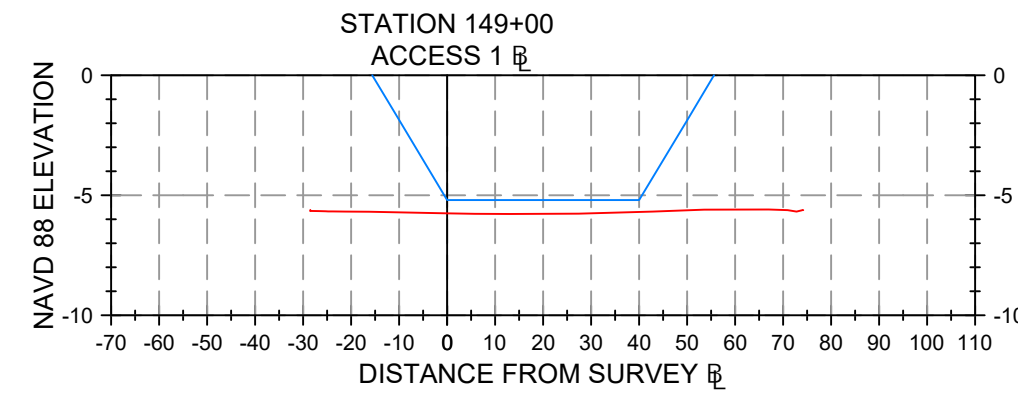
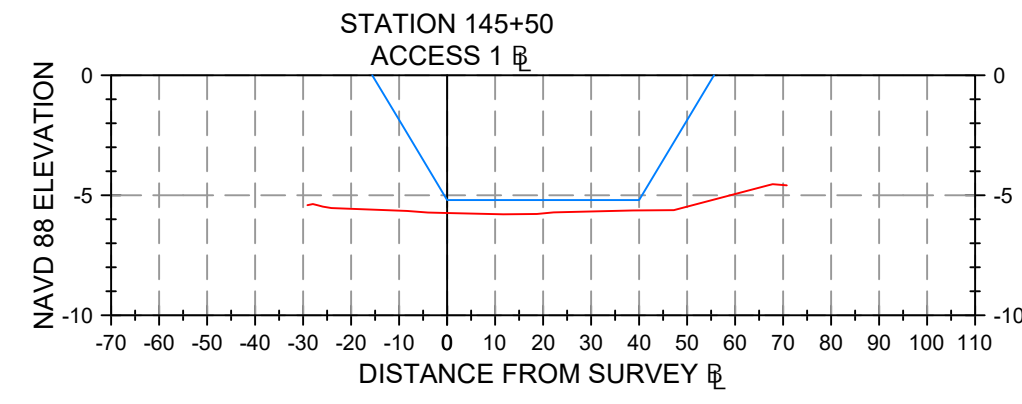
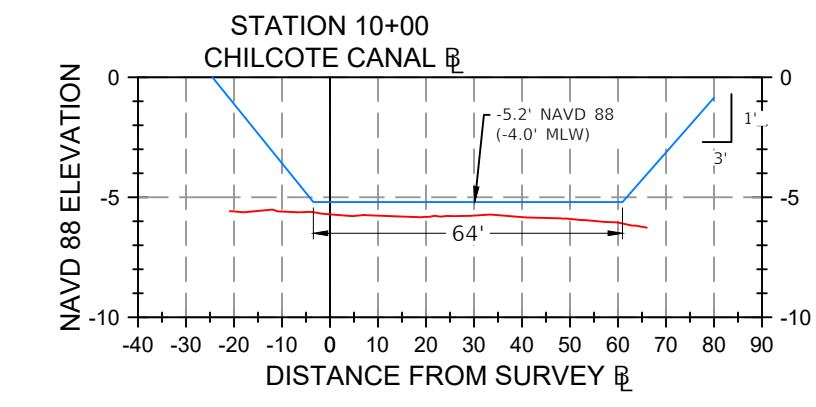
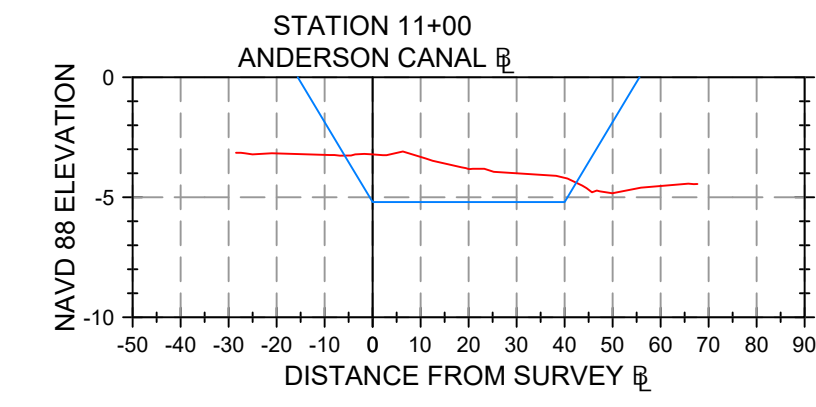
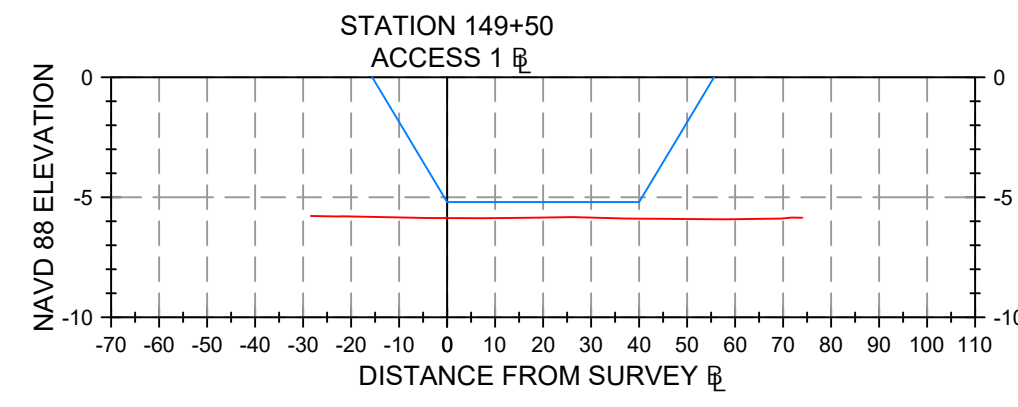
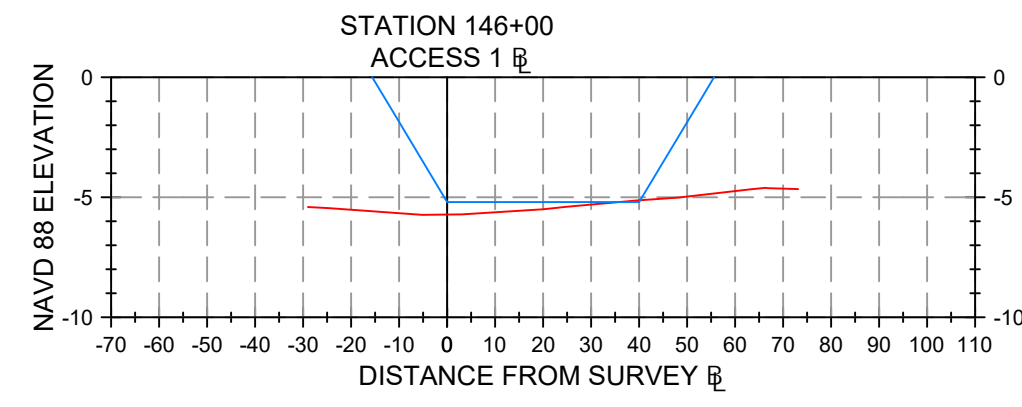
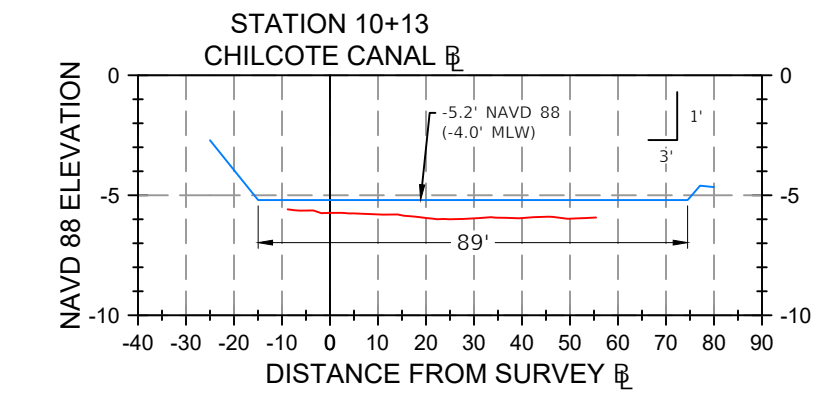
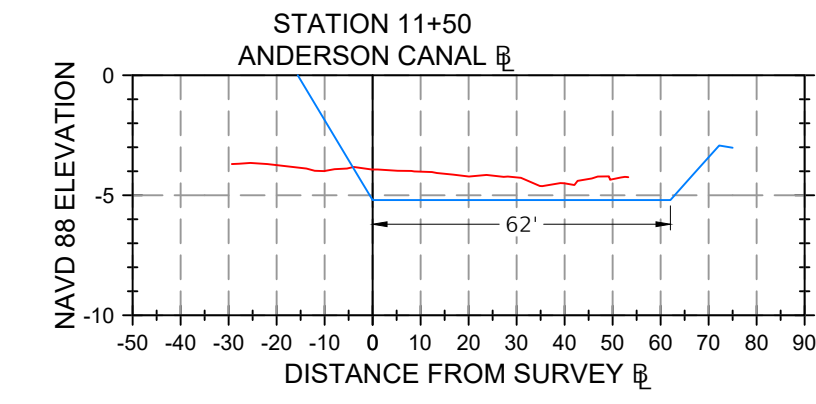
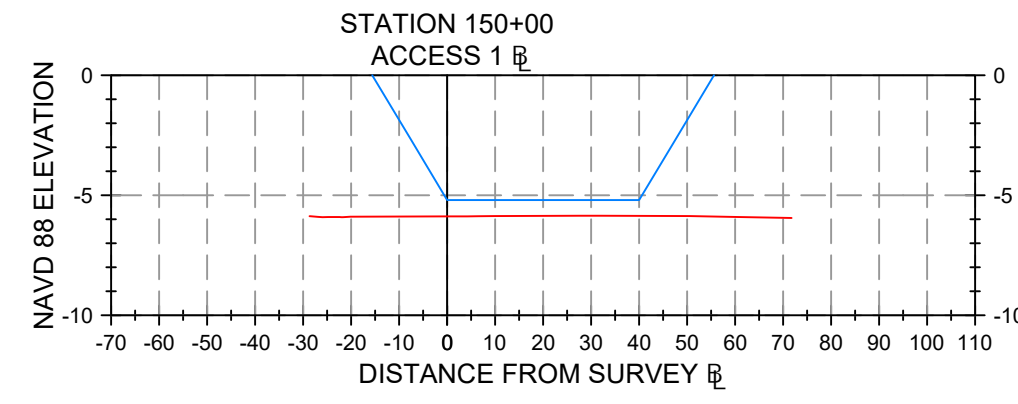
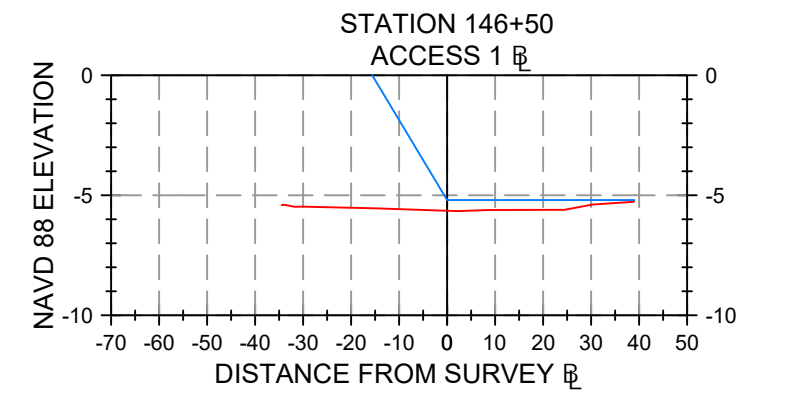
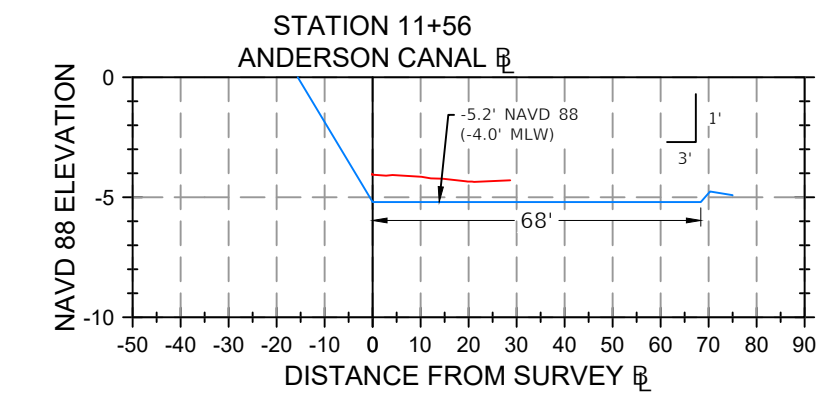
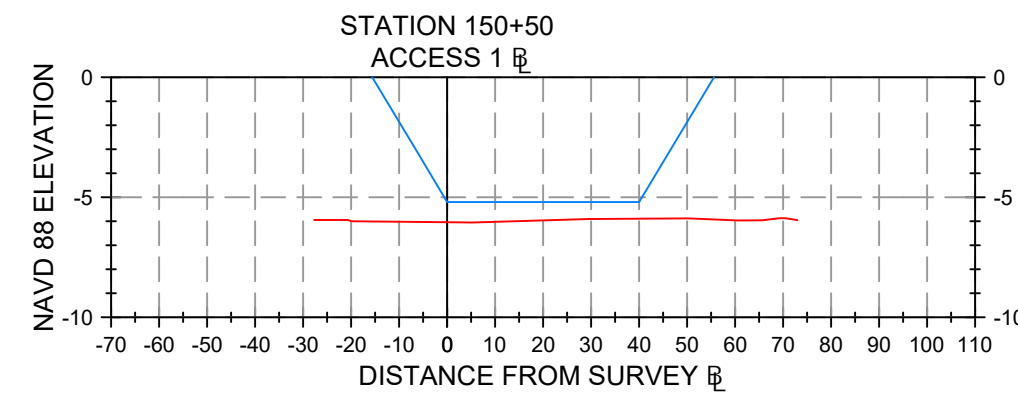
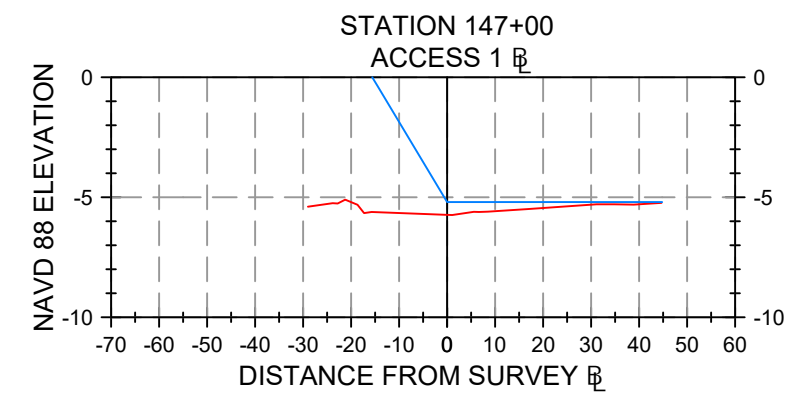
SECTION SHEET LEGEND:  
 — = BASELINE  
 — = EXISTING BOTTOM SURFACE  
 — = DREDGE TEMPLATE  
 MLW = MEAN LOW WATER  
 NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



| NO. | DATE | BY | REVISIONS |
|-----|------|----|-----------|
| 1   |      |    |           |
| 2   |      |    |           |
| 3   |      |    |           |
| 4   |      |    |           |
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| 6   |      |    |           |
| 7   |      |    |           |

ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) BY THE ORIGINAL SURVEYING, ENGINEERING & SURVEYING, INC. IS PROHIBITED.

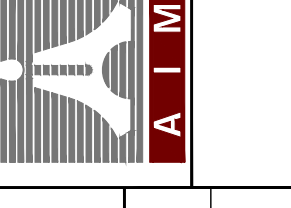
FIELD BOOK: SEE NOTE 13

PROJECT NAME: WOP# 322 PRE-STORM BATHYMETRIC SURVEYS  
 PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  
 SEE SHEET 1  
 DARREN TOWNSEND  
 PROFESSOR  
 FLORIDA CERTIFICATE NO. 46276  
 300 N. PALM WOODWAY, SUITE 100, FORT MYERS, FLORIDA 33901

AIM Engineering & Surveying, Inc.  
 CIVIL \* SANITARY \* TRANSPORTATION \* DEVELOPMENT \* PROJECT MANAGEMENT  
 3151 FOWLER STREET, SUITE 100  
 FORT MYERS, FLORIDA 33901  
 www.aimengr.com

CERTIFICATE OF AUTHORIZATION No. 3114  
 DATE: 04/21/2025  
 CHECKED: DT  
 DATE: 05/09/2025

DRAWN: RH  
 CLIENT: CHARLOTTE COUNTY



HYDROGRAPHIC SURVEY  
 GULF COVE WATERWAYS

PROJECT NO.: 24-1940\_PHS07  
 COUNTY: CHARLOTTE  
 SHEET: 21  
 OF: 43

FILE NAME: 24-1940\_PHS07  
 TOWNSHIP: S  
 RANGE: E

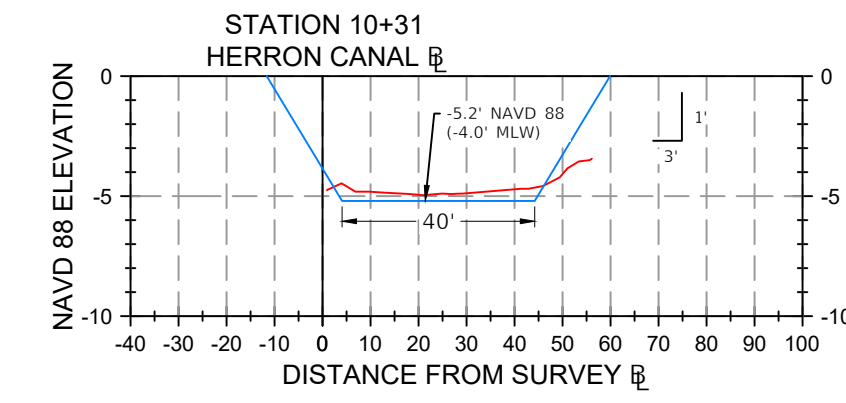
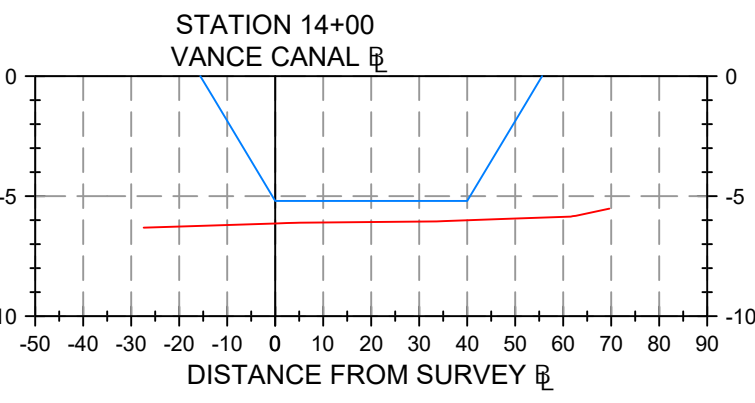
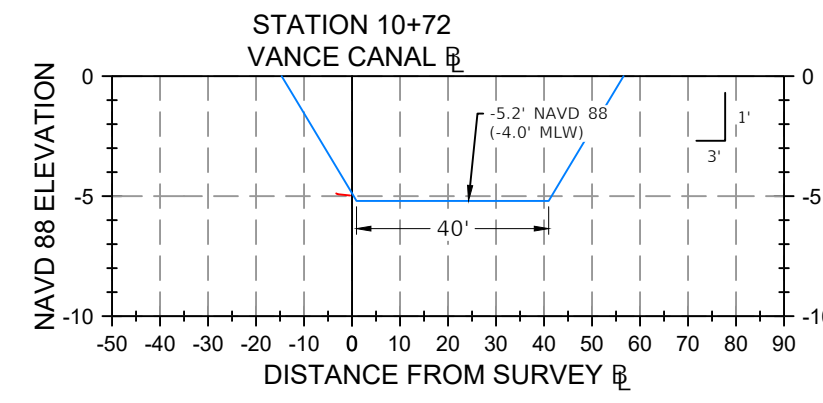
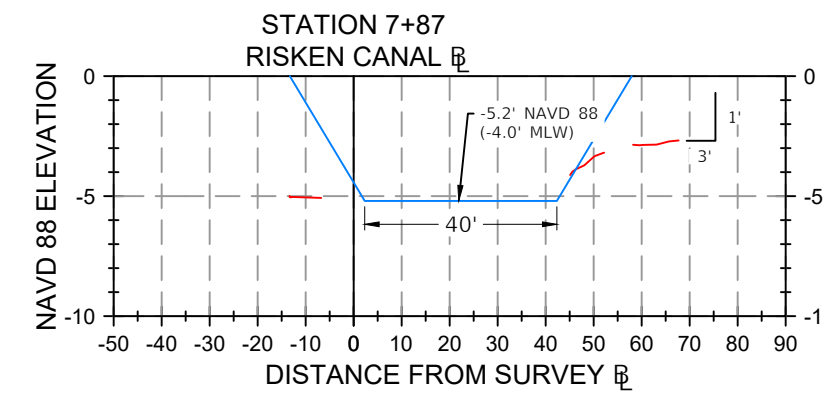
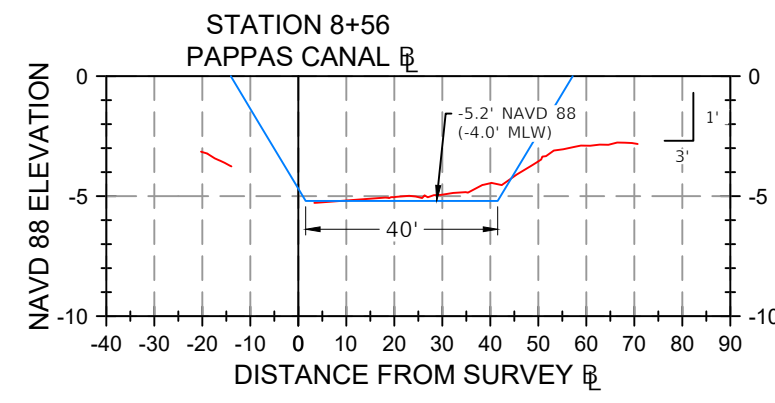
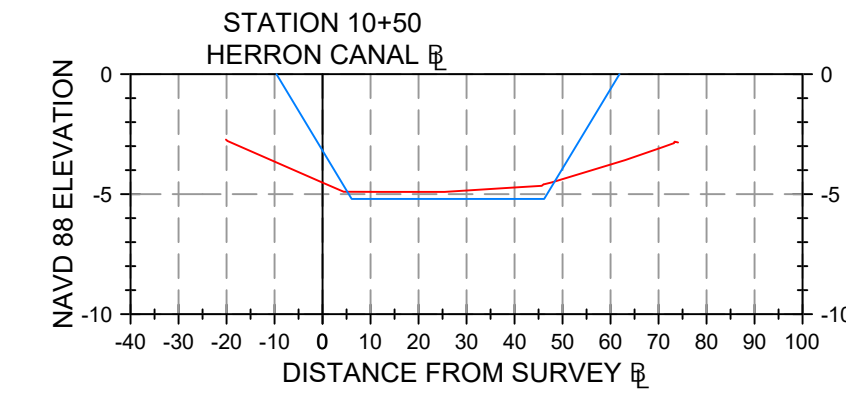
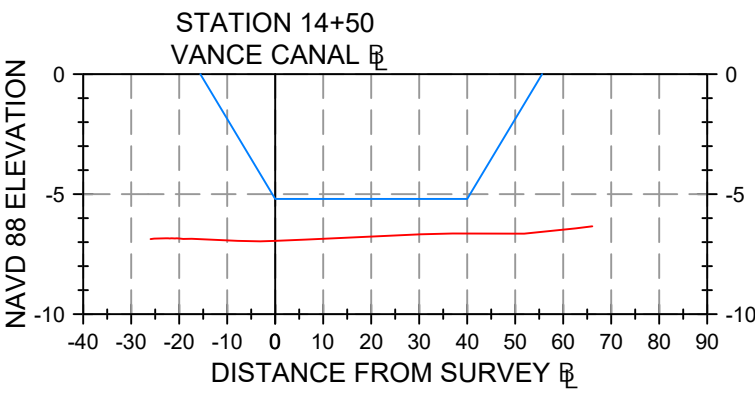
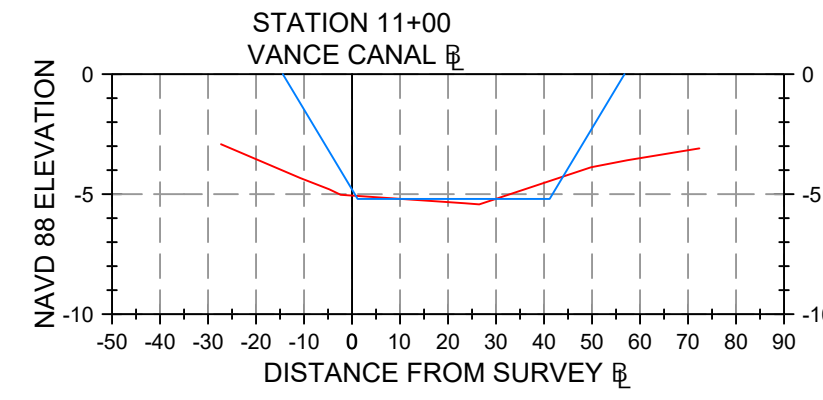
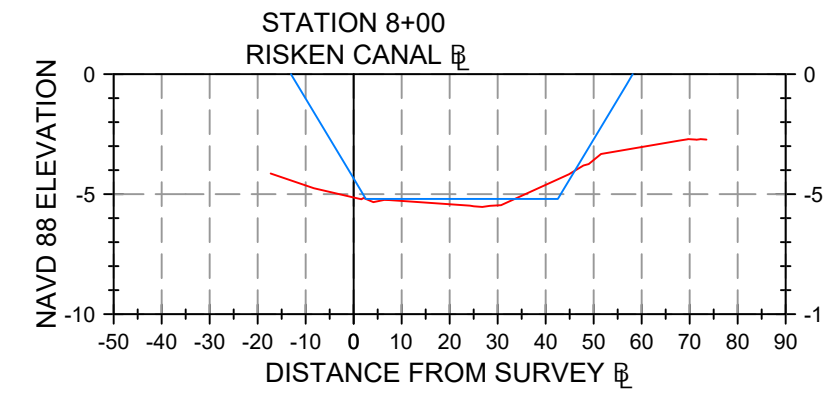
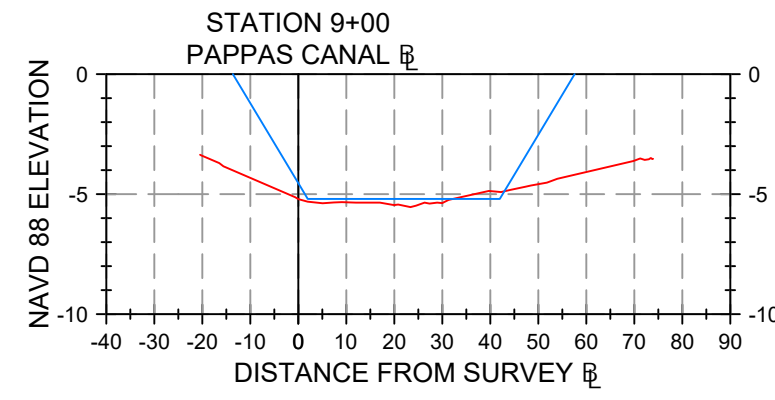
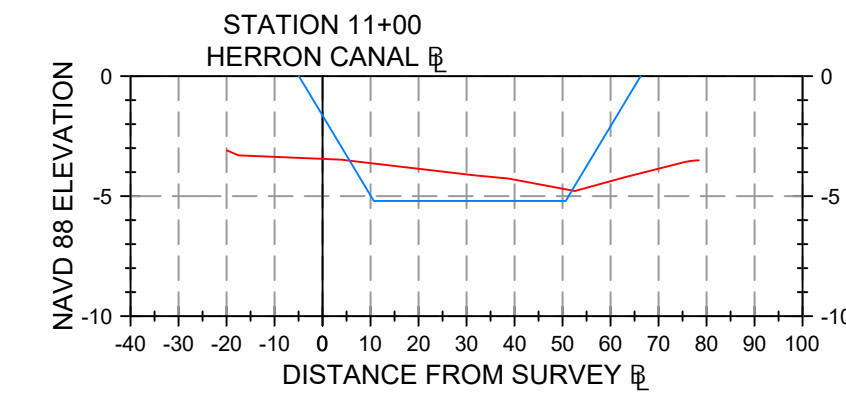
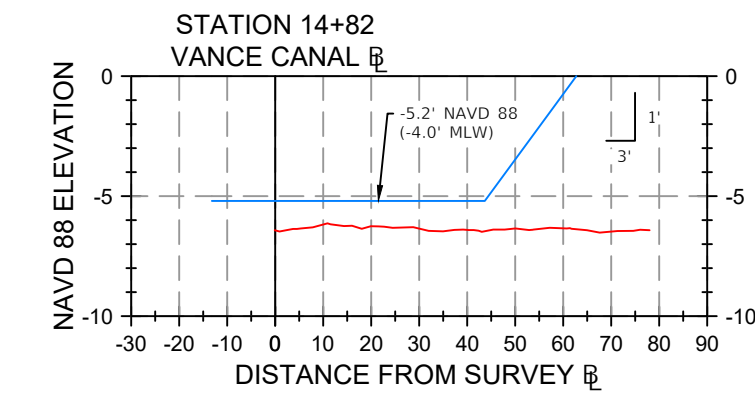
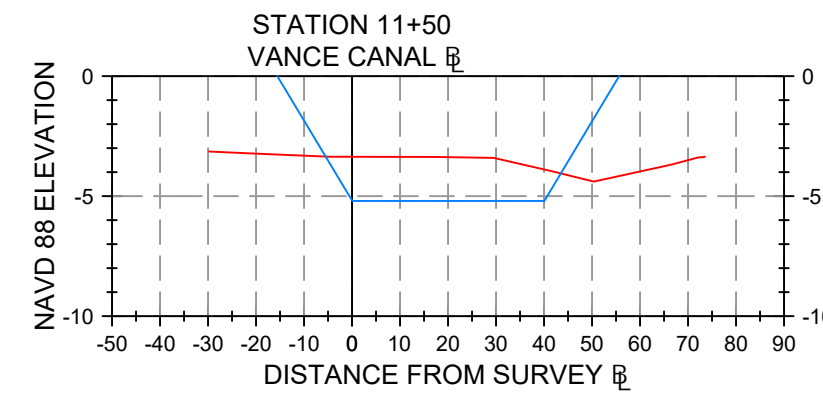
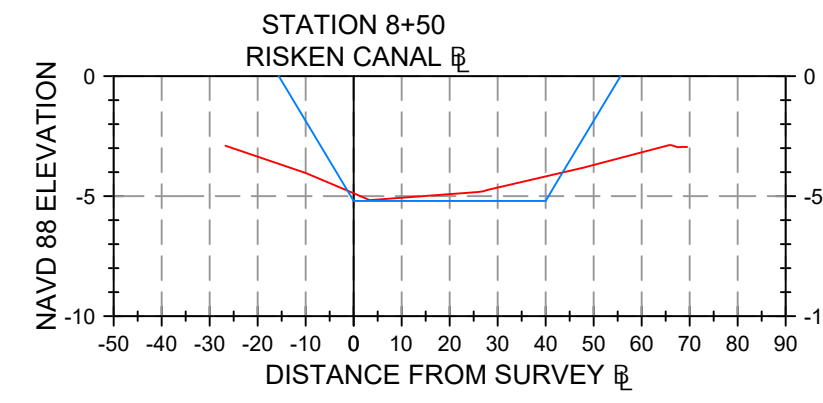
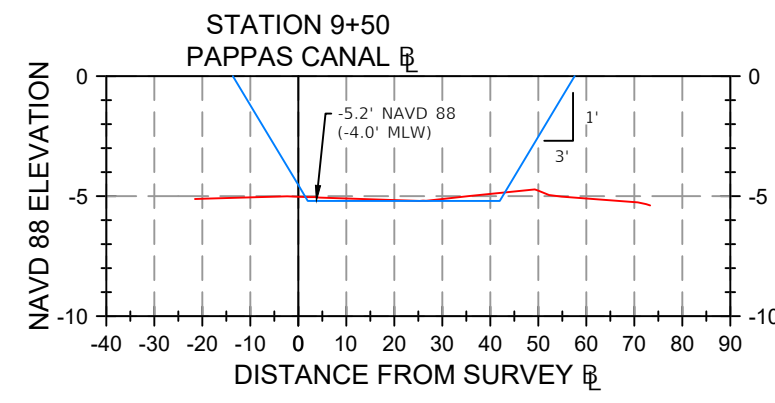
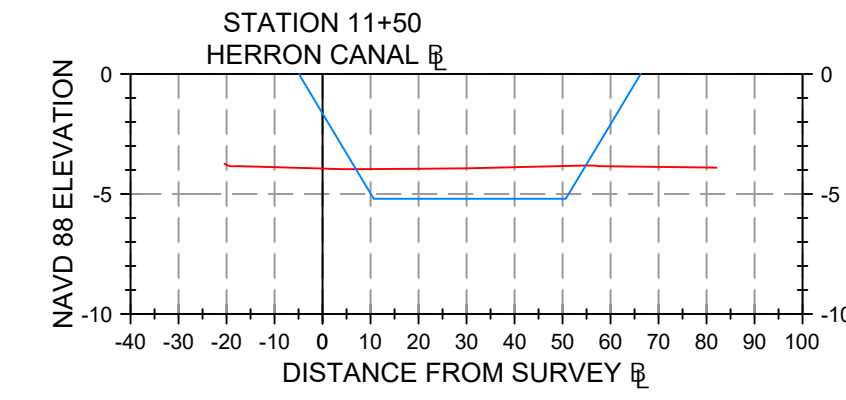
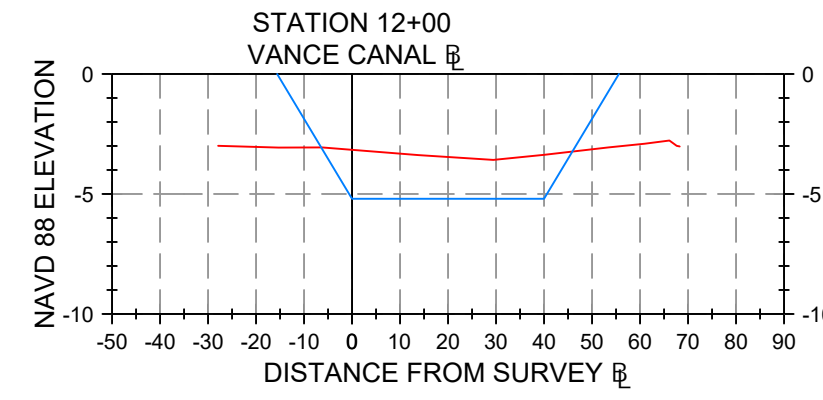
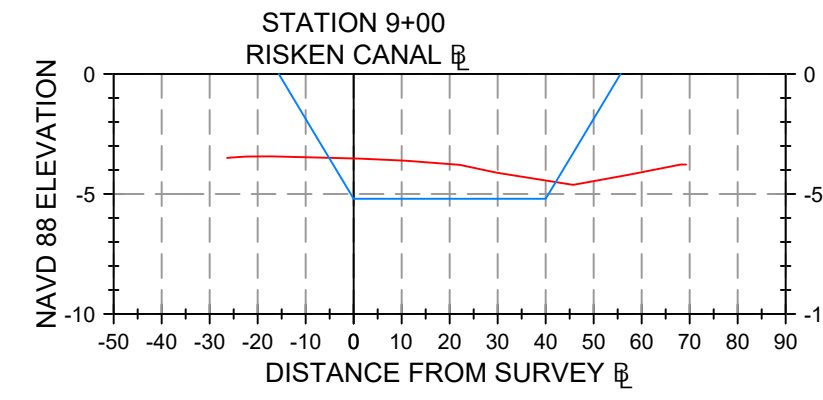
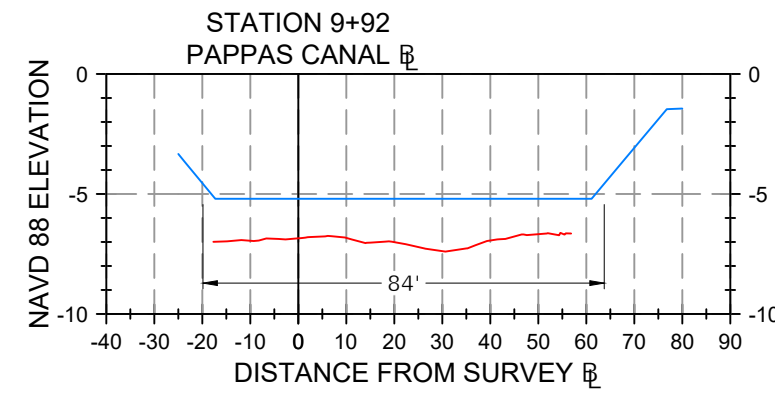
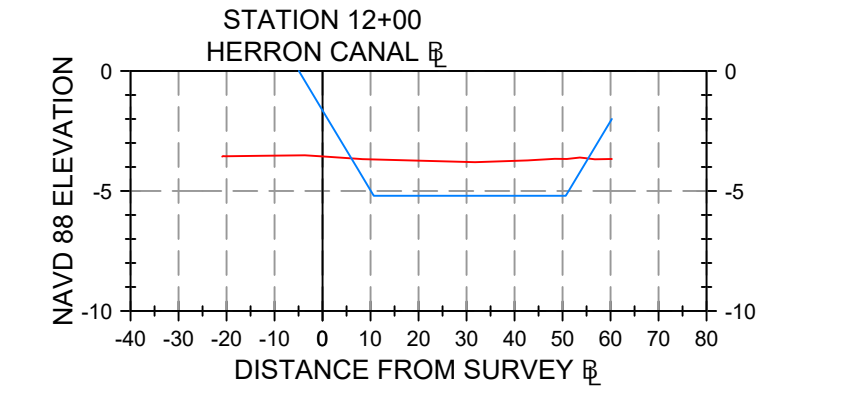
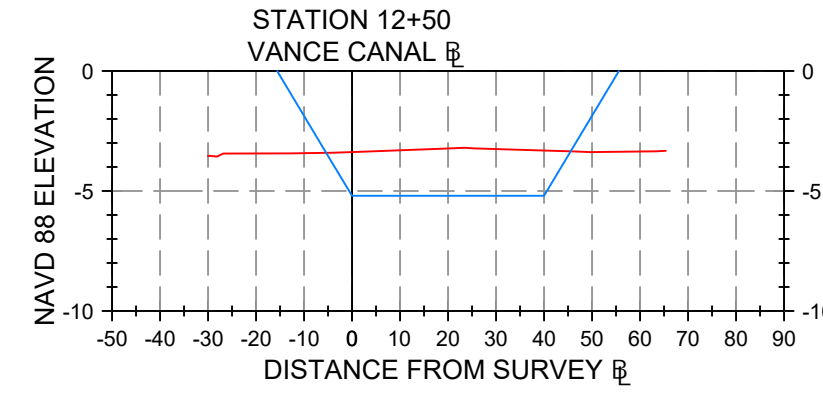
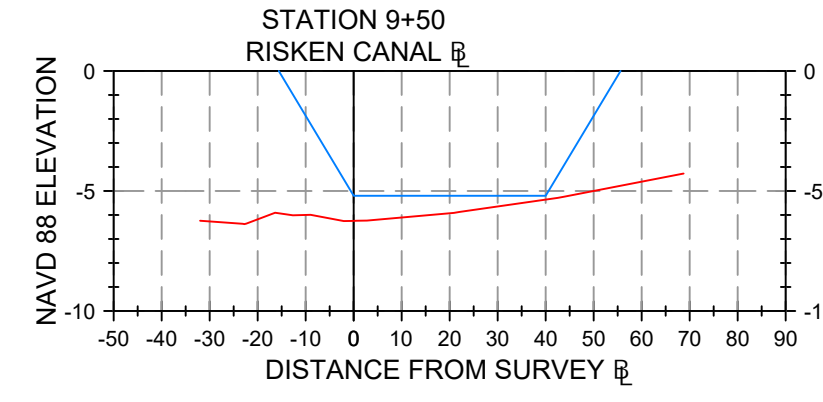
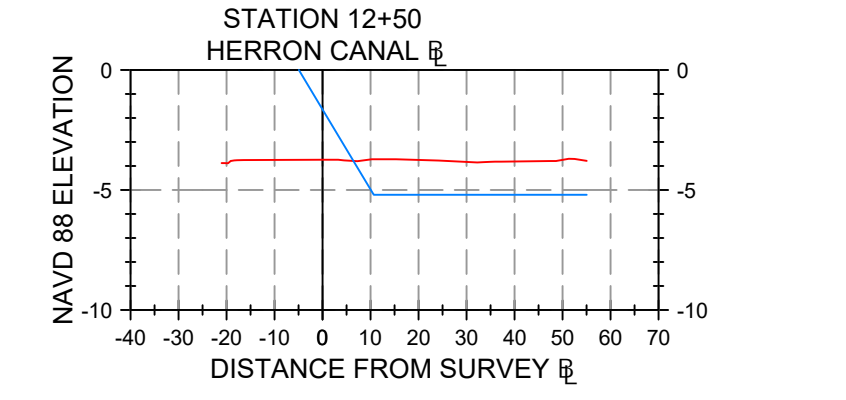
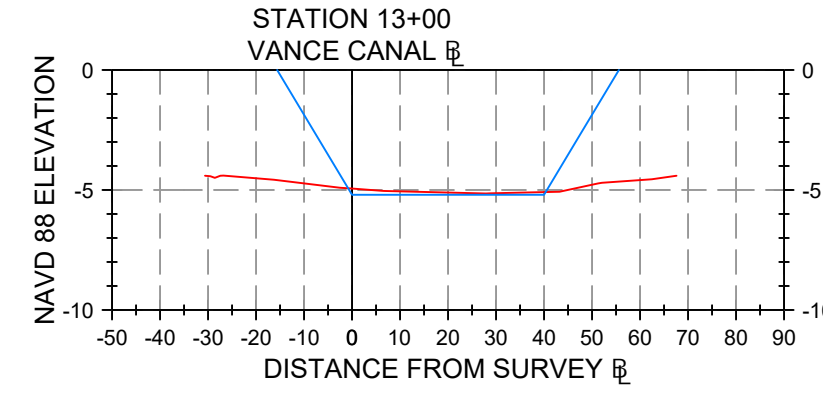
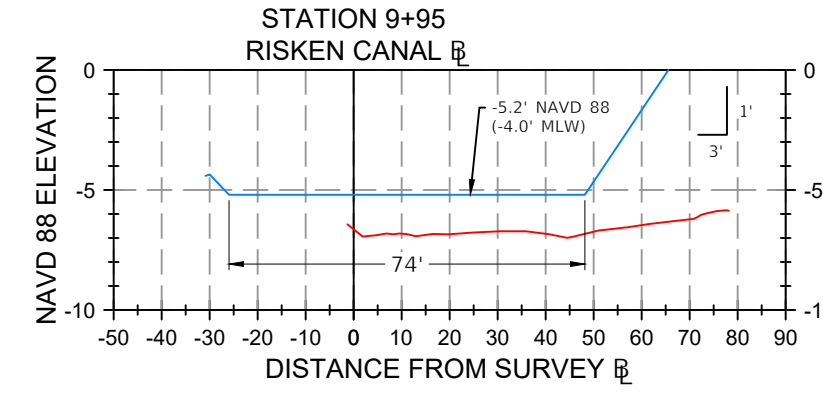
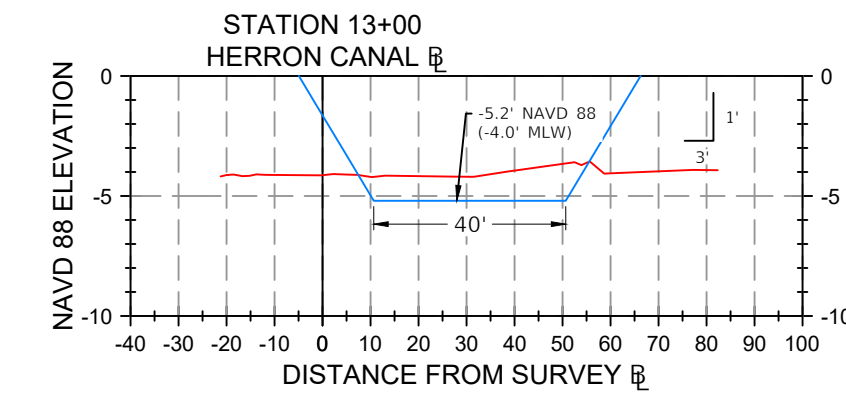
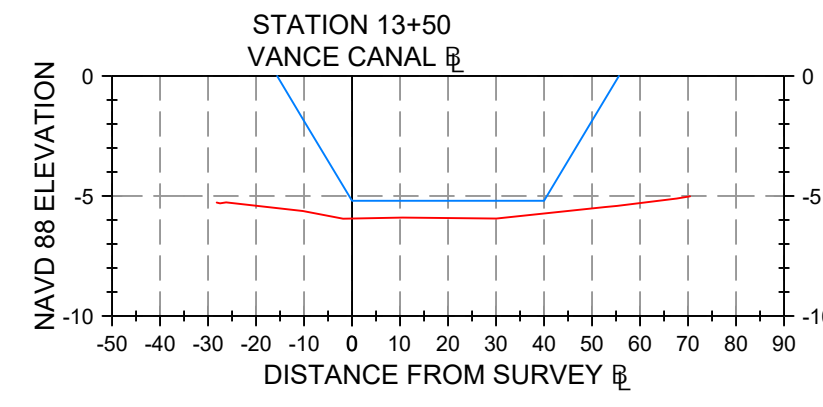
SECTION SHEET LEGEND:  
 ☐ = BASELINE  
 — = EXISTING BOTTOM SURFACE  
 — = DREDGE TEMPLATE  
 MLW = MEAN LOW WATER  
 NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|  |  |   |
|--|--|---|
| <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com  |  | CERTIFICATE OF AUTHORIZATION No. 3114<br>DATE: 04/21/2025<br>DT: 05/09/2025 |
| CLIENT: CHARLOTTE COUNTY   |  | DRAWN: RH<br>CHECKED: DT  |
| PROJECT NAME:<br>WOP 322 PRE-STORM BATHYMETRIC SURVEYS<br>PREPARED BY: AIM ENGINEERING & SURVEYING, INC.   |  | DATE: 05/09/2025  |
| PROJECT NO.:<br>24-1940  |  | SHEET: 22   |
| COUNTY: CHARLOTTE  |  | RANGE: S E  |
| SECTION:   |  | TOWNSHIP: 5   |
| FILE NAME:<br>24-1940_PHS07  |  | SHEET: 43   |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE MADE IN THE ORIGINAL DRAWING AND THE ORIGINAL DRAWING AND ALL FIELD BOOKS SHALL BE MAINTAINED ACCORDING TO THE PROFESSIONAL STANDARDS OF THE BOARD OF PROFESSIONAL ENGINEERS AND SURVEYORS, INC. IS PROHIBITED. |  | SEE NOTE 11   |
| PROJECT NO.:<br>24-1940  |  | PAGE: 6   |
| PROJECT NAME:<br>WOP 322 PRE-STORM BATHYMETRIC SURVEYS   |  | FIELD BOOK:   |
| PREPARED BY: AIM ENGINEERING & SURVEYING, INC.   |  | SEE SHEET 1   |
| PROFESSIONAL SEAL:<br>DARREN TOWSEND, P.E.<br>FLORIDA CERTIFICATE NO. 6676   |  | NO. 1<br>NO. 2<br>NO. 3<br>NO. 4<br>NO. 5<br>NO. 6<br>NO. 7                 |
| DATE:  |  | BY:   |

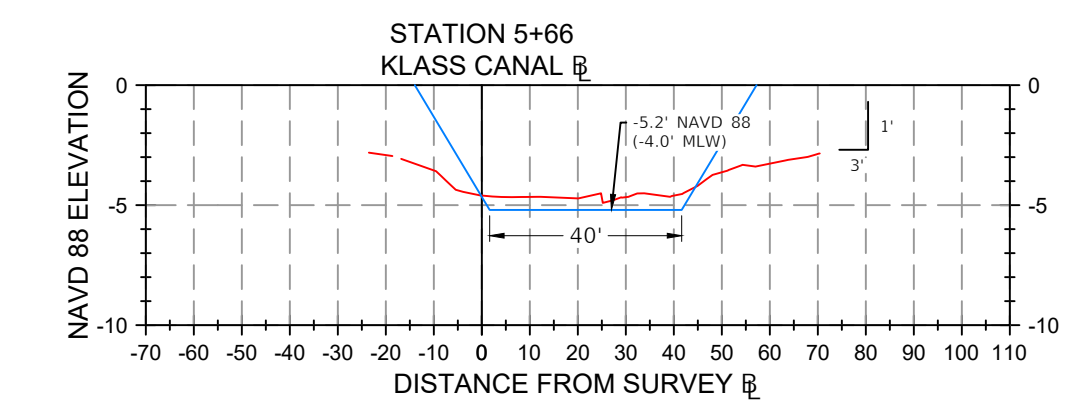
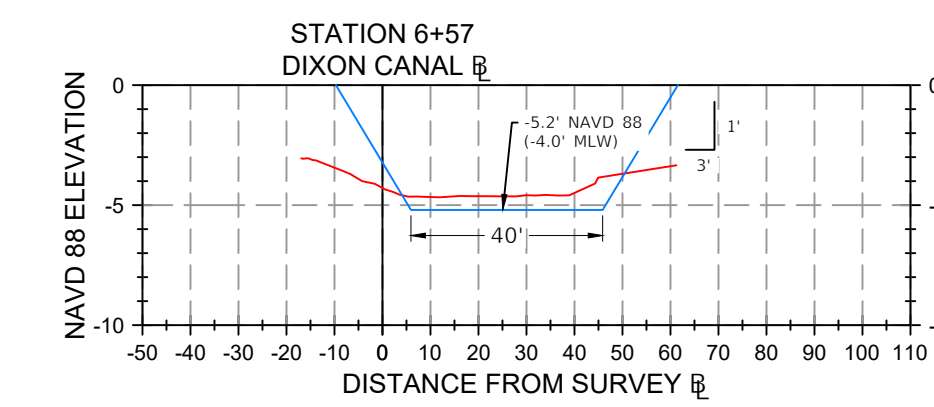
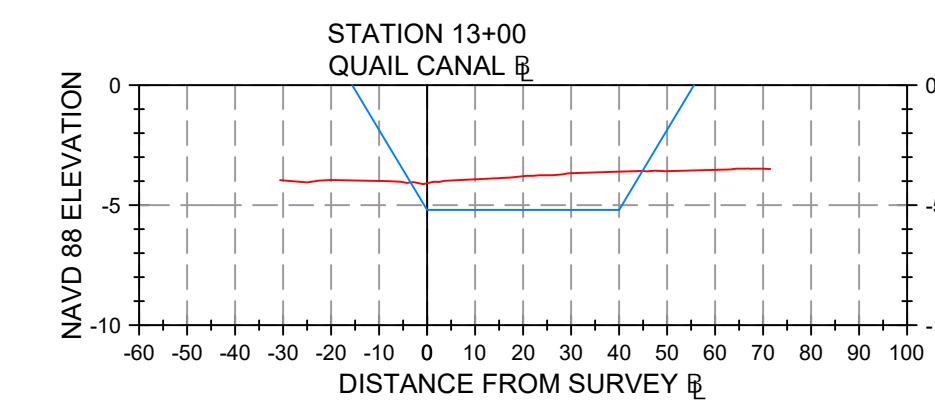
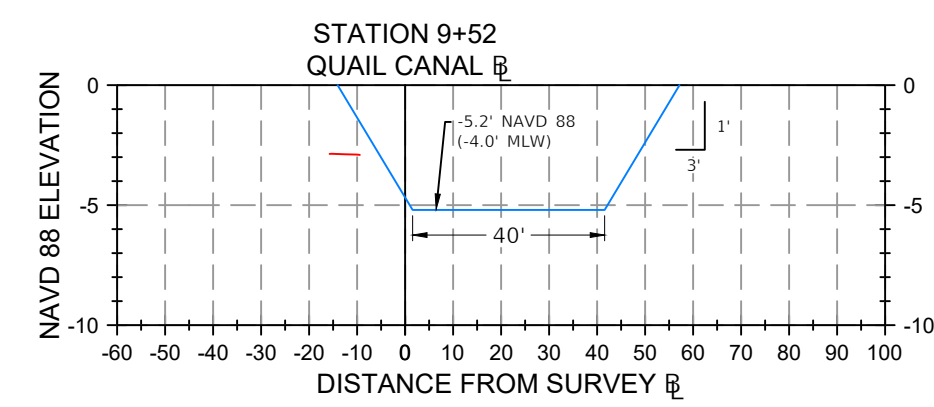
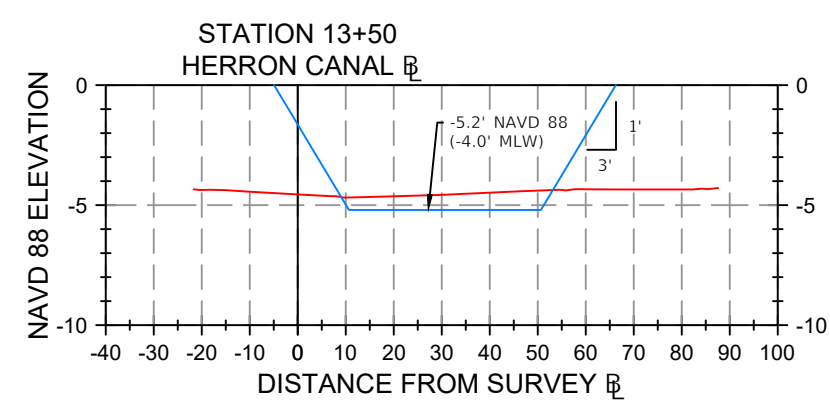
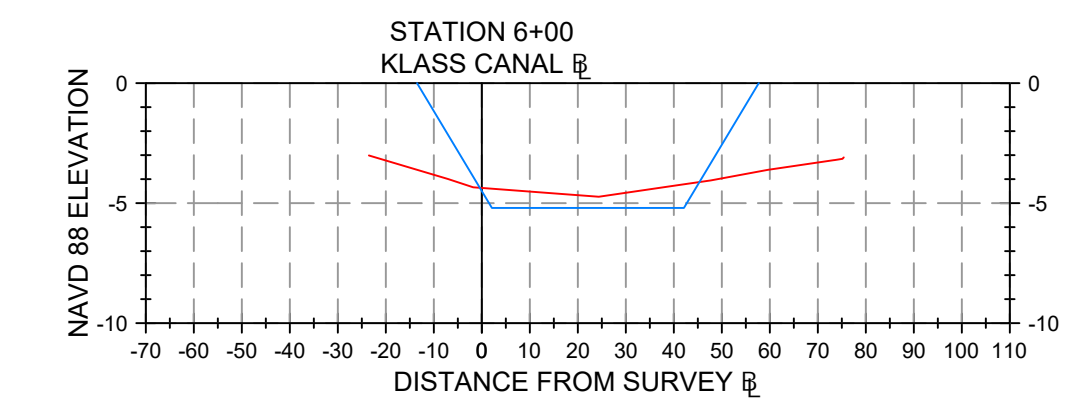
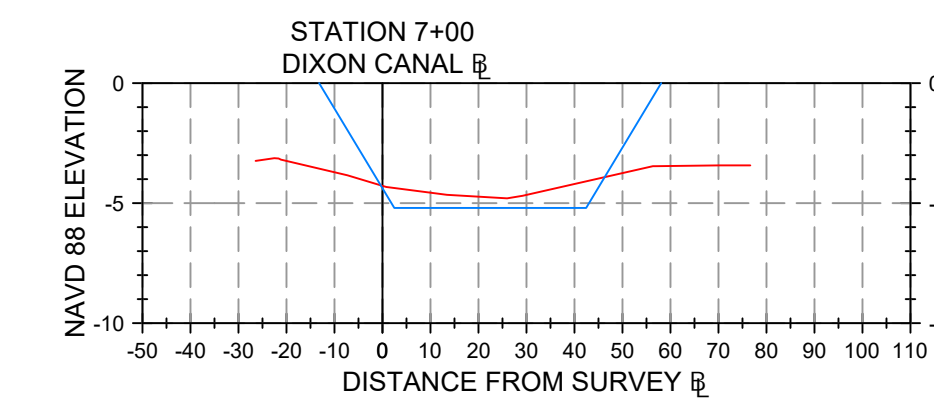
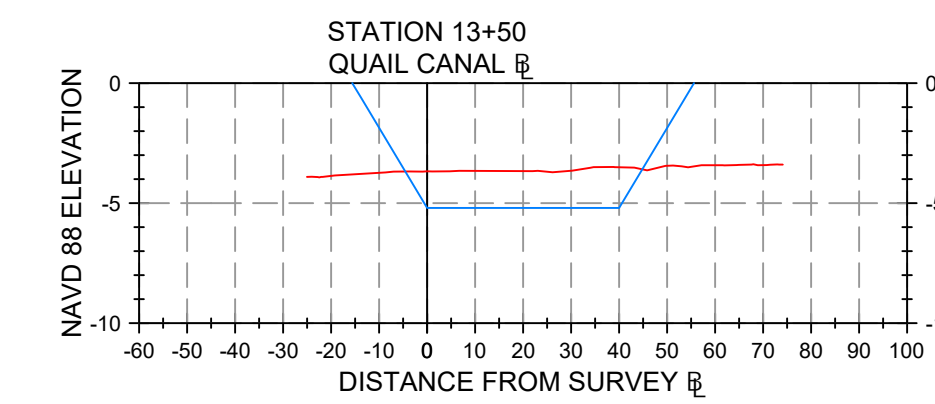
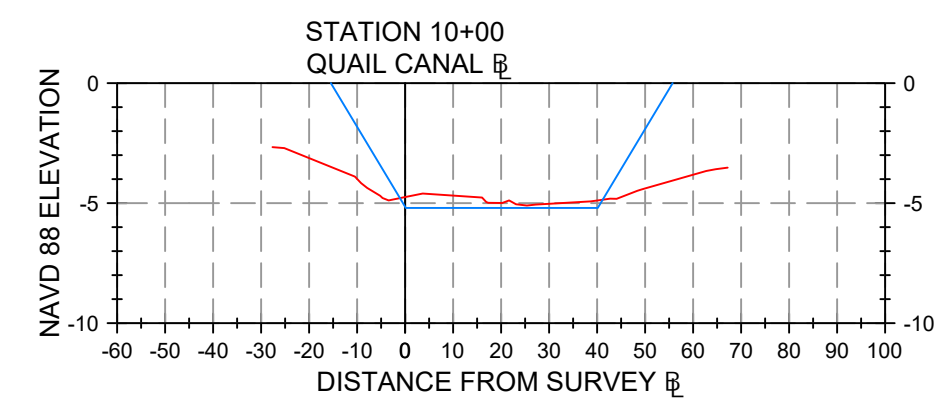
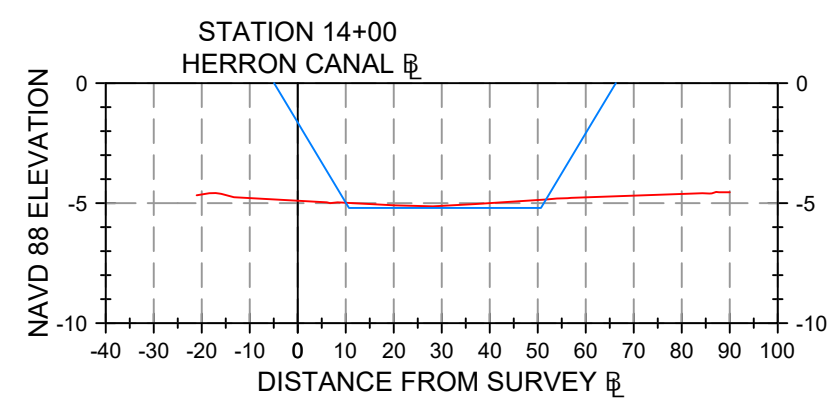
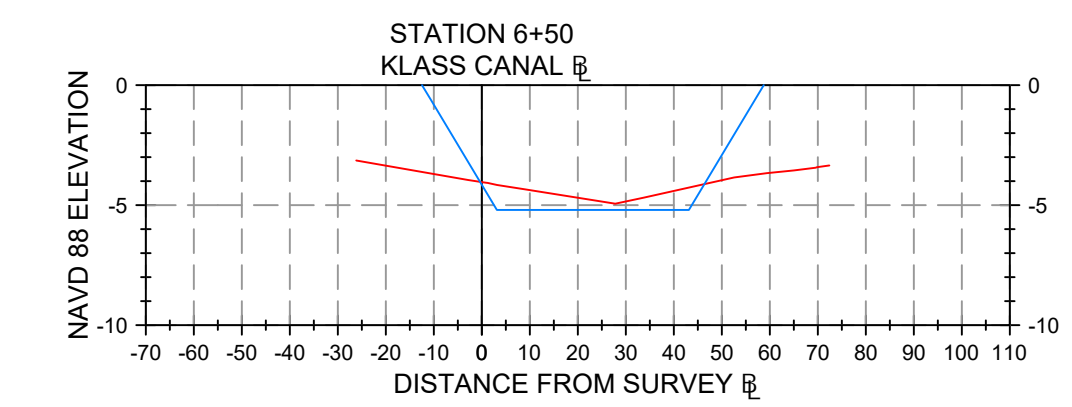
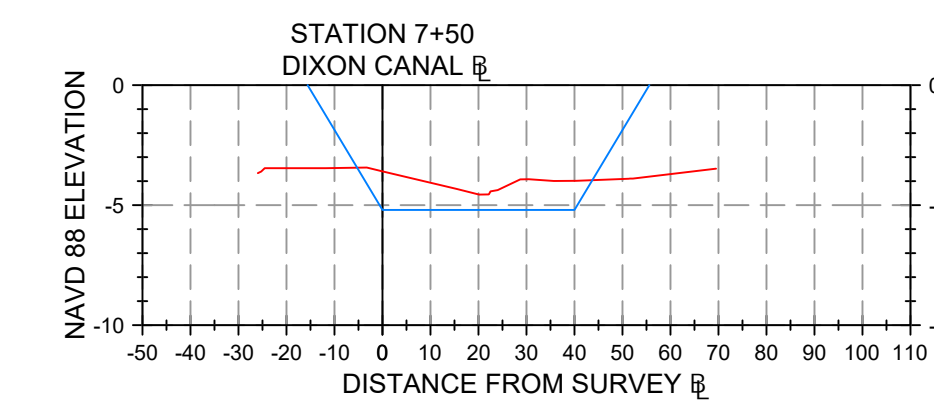
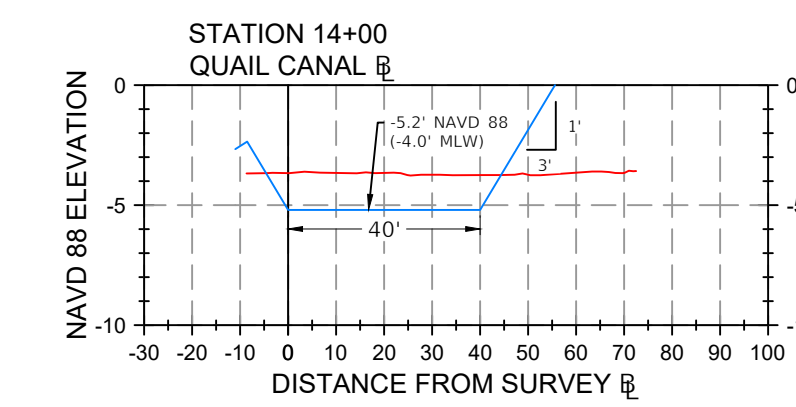
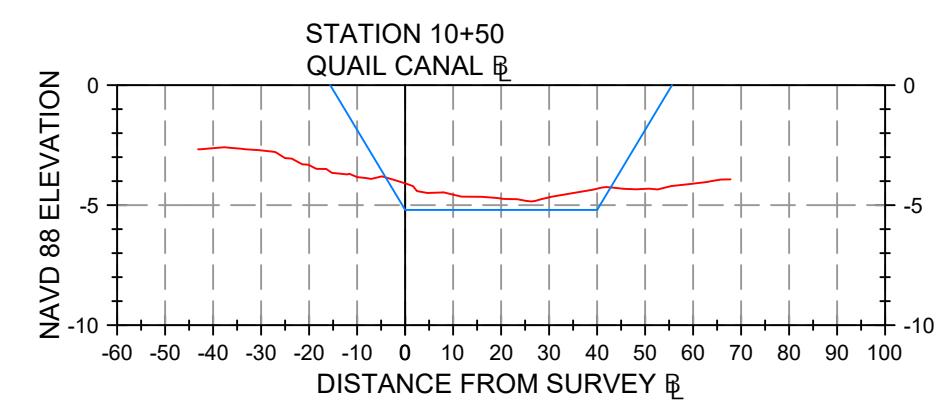
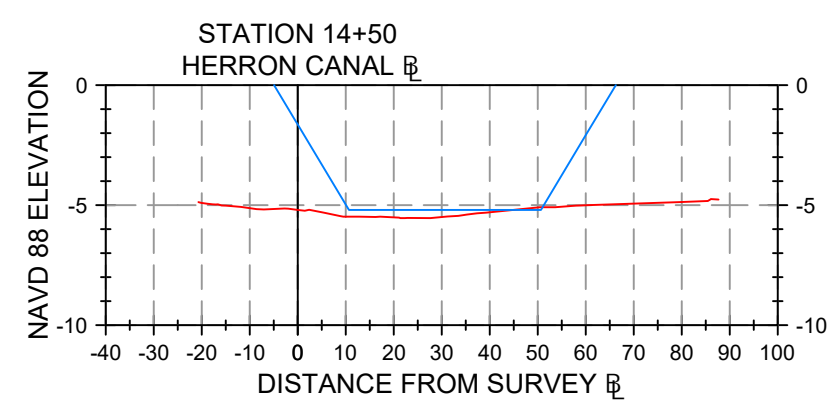
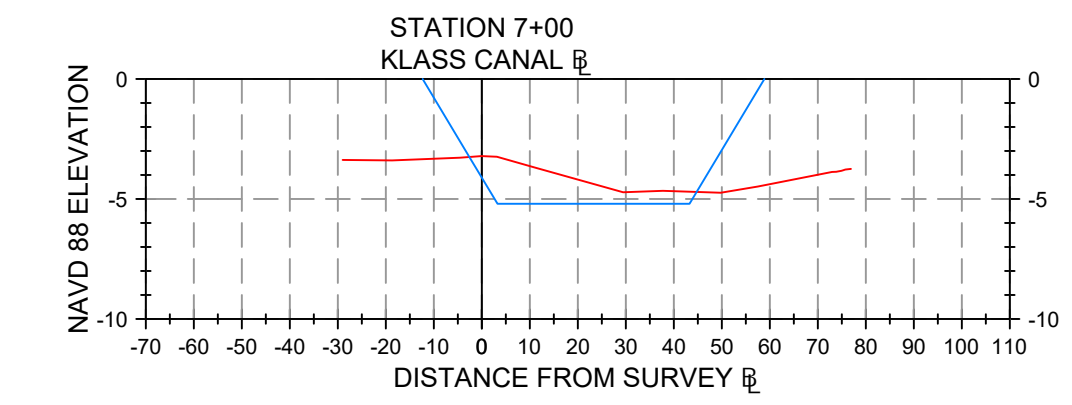
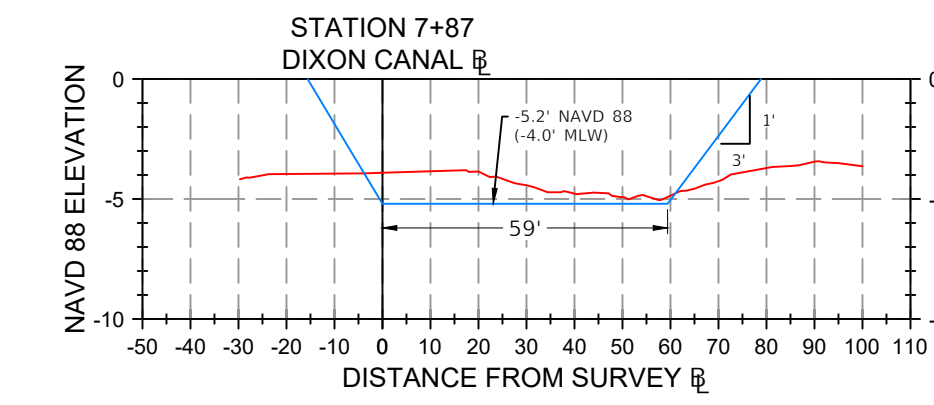
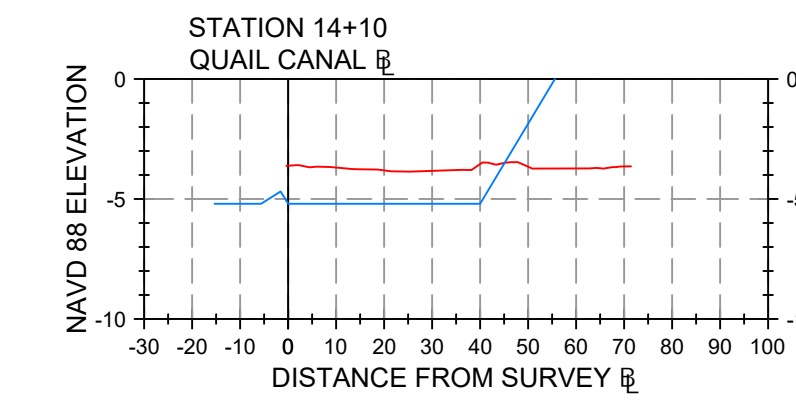
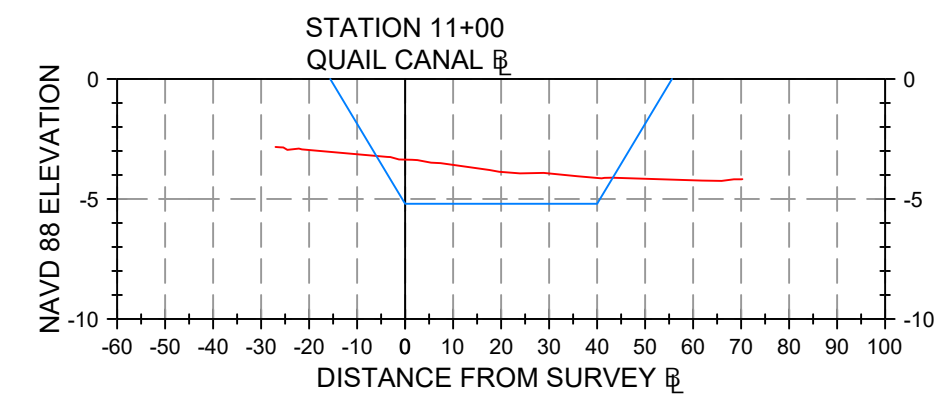
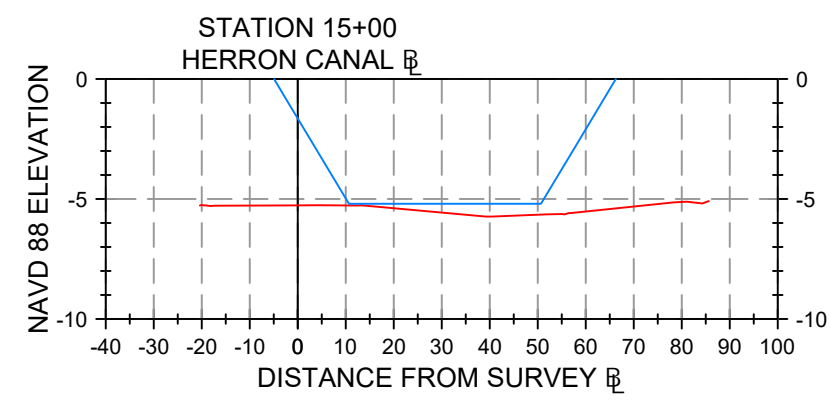
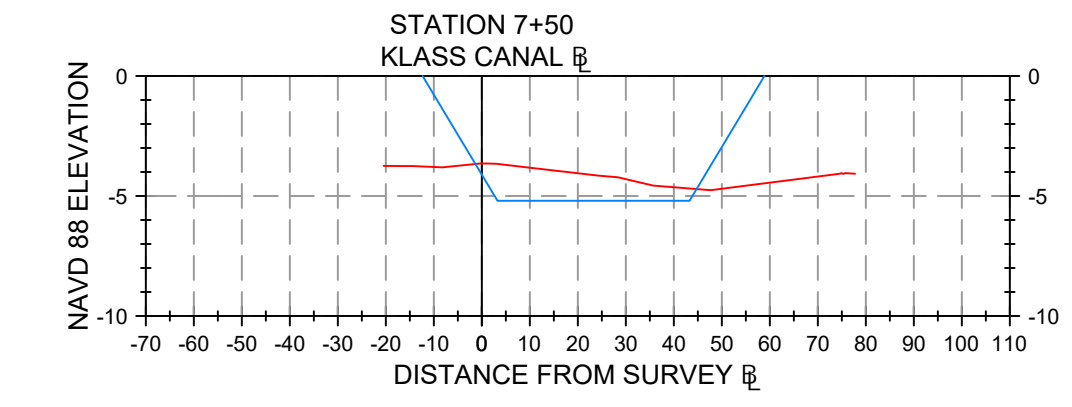
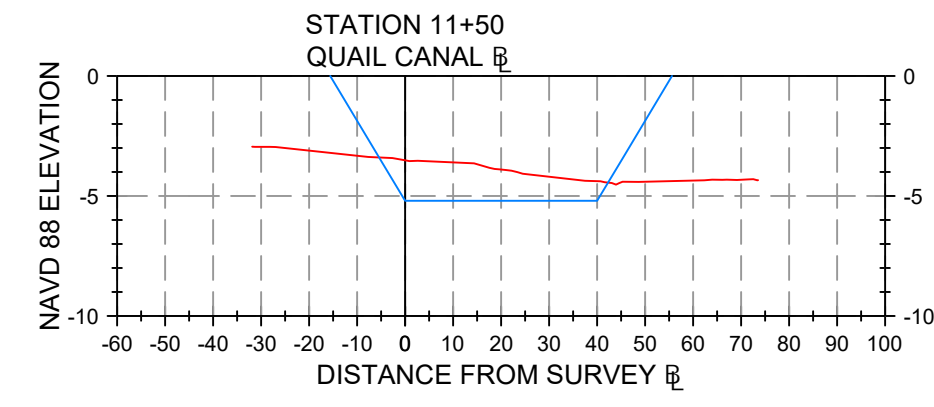
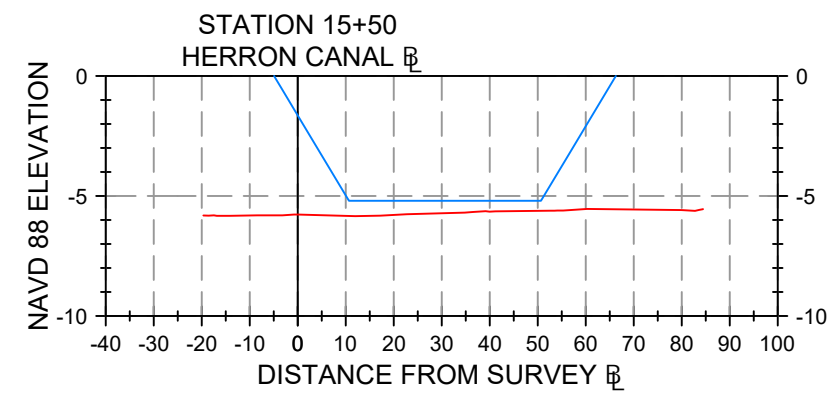
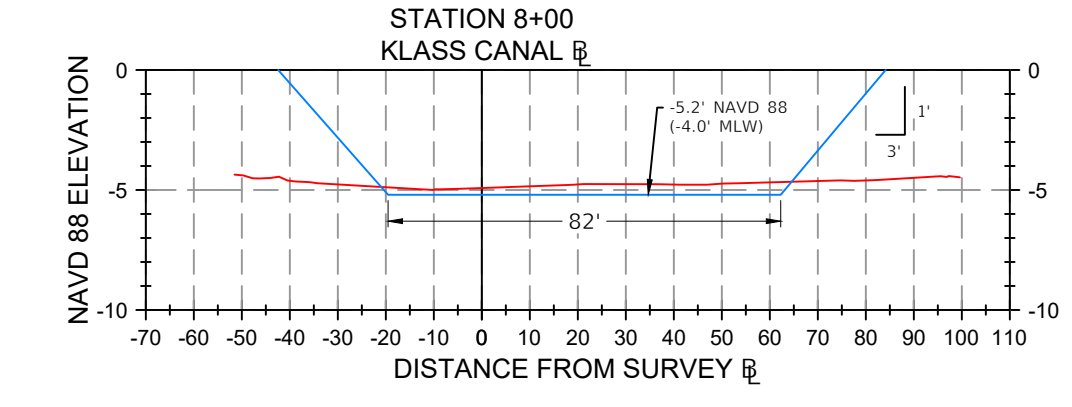
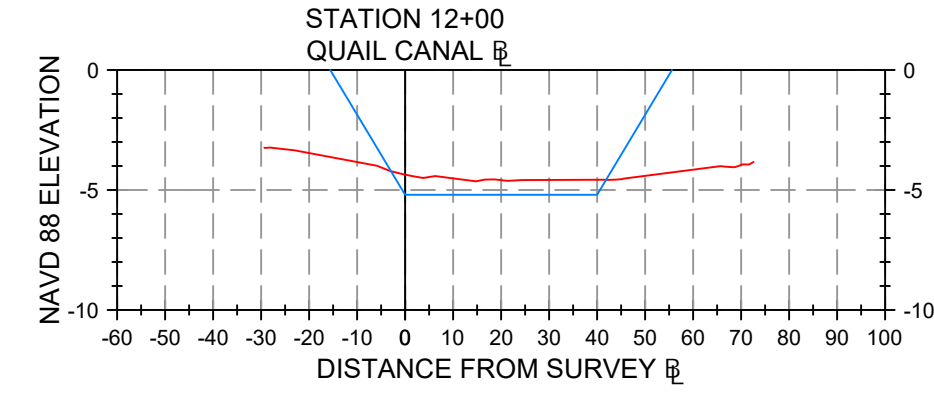
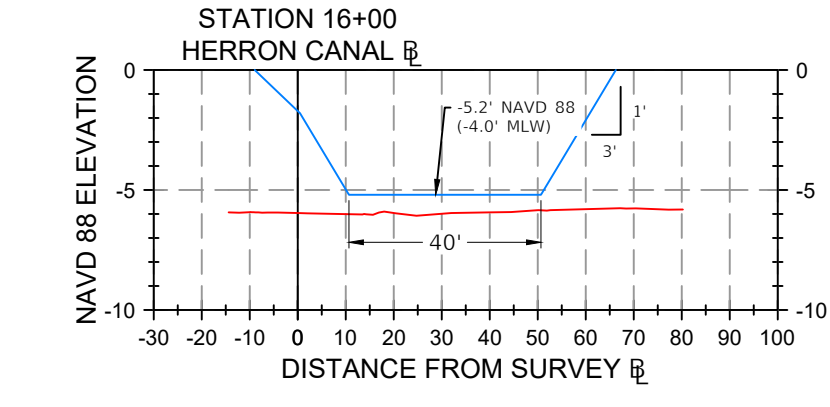
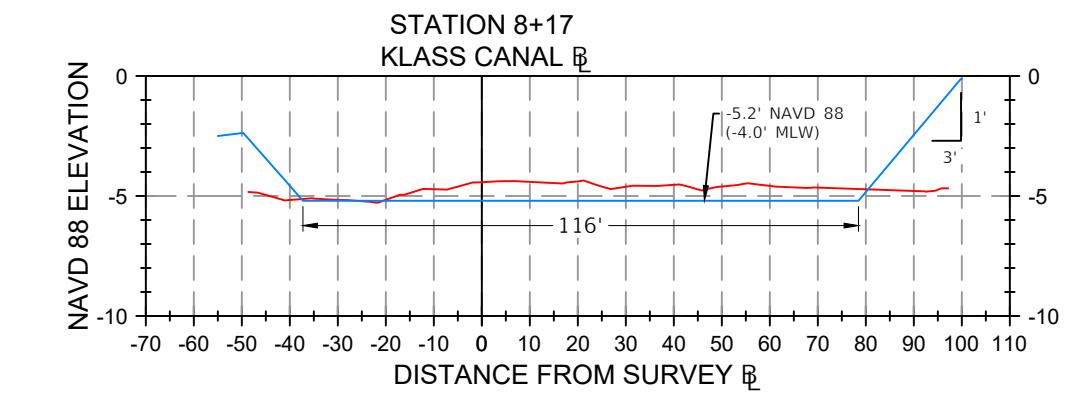
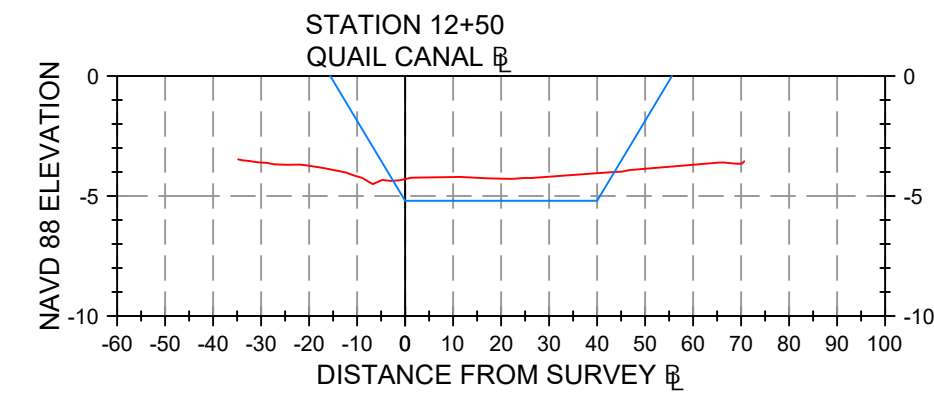
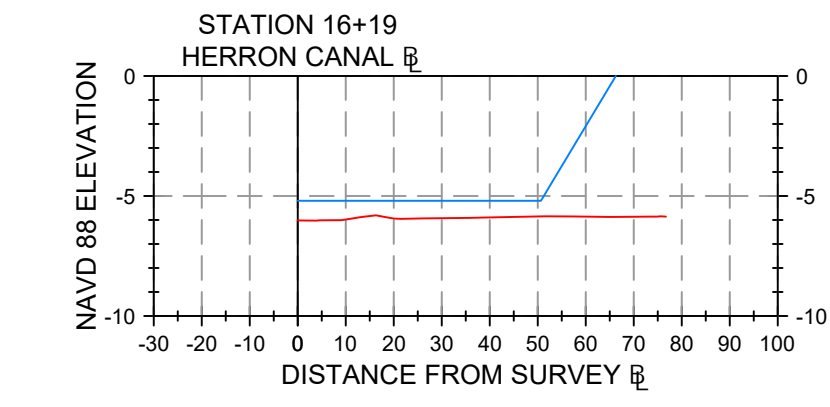
SECTION SHEET LEGEND:  
 — = BASELINE  
 — = EXISTING BOTTOM SURFACE  
 — = DREDGE TEMPLATE  
 MLW = MEAN LOW WATER  
 NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|  |    |                                       |                  |
|--|----|---------------------------------------|------------------|
| HYDROGRAPHIC SURVEY  |    | FILE NAME                             | 24-1940_PHS07    |
| GULF COVE WATERWAYS  |    | PROJECT NO.                           | 24-1940          |
|  |    | COUNTY                                | CHARLOTTE        |
|  |    | SECTION                               | S                |
|  |    | TOWNSHIP                              | E                |
|  |    | RANGE                                 |                  |
|  |    | SHEET                                 | 23               |
|  |    | OF                                    | 43               |
| AIM Engineering & Surveying, Inc.                                    |    | CERTIFICATE OF AUTHORIZATION No. 3114 | DATE: 04/21/2025 |
| CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT |    | TOLL FREE 800-376-4569                | DT 05/09/2025    |
| 3161 FOWLER STREET, SUITE 100  |    | PHONE 239-332-4569                    |                  |
| FORT MYERS, FLORIDA 33901  |    | WWW.AIMENGR.COM                       |                  |
| CLIENT   |    | DRAWN                                 | RH               |
| CHARLOTTE COUNTY   |    | CHECKED                               | DT               |
| PROJECT NAME   |    | DATE                                  |                  |
| WOP 322 PRE-STORM BATHYMETRIC SURVEYS                                |    |                                       |                  |
| PREPARED BY: AIM ENGINEERING & SURVEYING, INC.                       |    |                                       |                  |
| SEE SHEET 1  |    |                                       |                  |
| DARREN TOWNSEND  |    |                                       |                  |
| PROFESSOR  |    |                                       |                  |
| FLORIDA CERTIFICATE NO. 6676   |    |                                       |                  |
| DATE OF EXPIRATION: 06/30/2026                                       |    |                                       |                  |
| FIELD BOOK   |    |                                       |                  |
| SEE NOTE 13  |    |                                       |                  |
| REVISIONS:   |    |                                       |                  |
| NO.  | BY | DATE                                  |                  |
| 1  |    |                                       |                  |
| 2  |    |                                       |                  |
| 3  |    |                                       |                  |
| 4  |    |                                       |                  |
| 5  |    |                                       |                  |
| 6  |    |                                       |                  |
| 7  |    |                                       |                  |

# HYDROGRAPHIC SURVEY

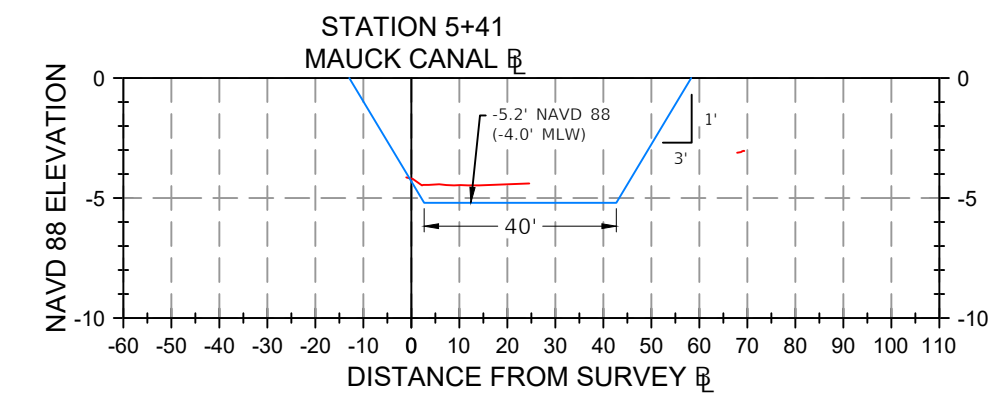
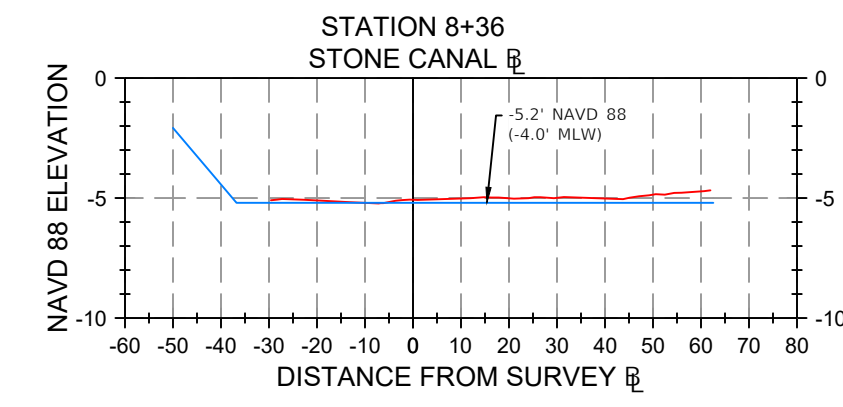
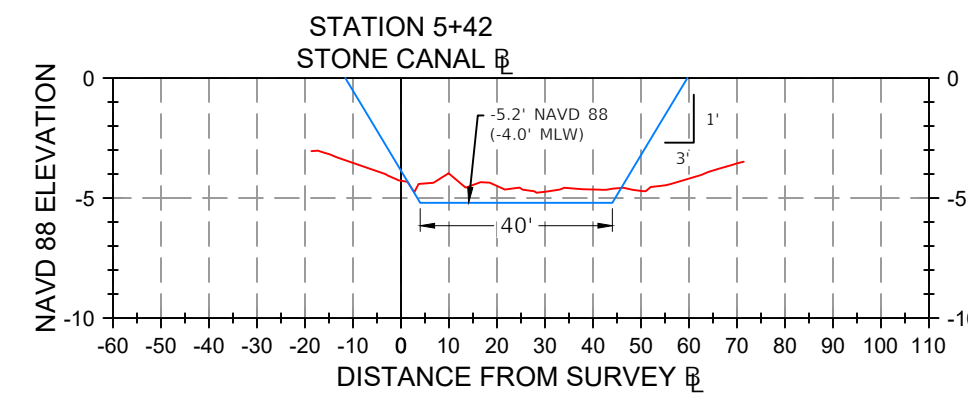
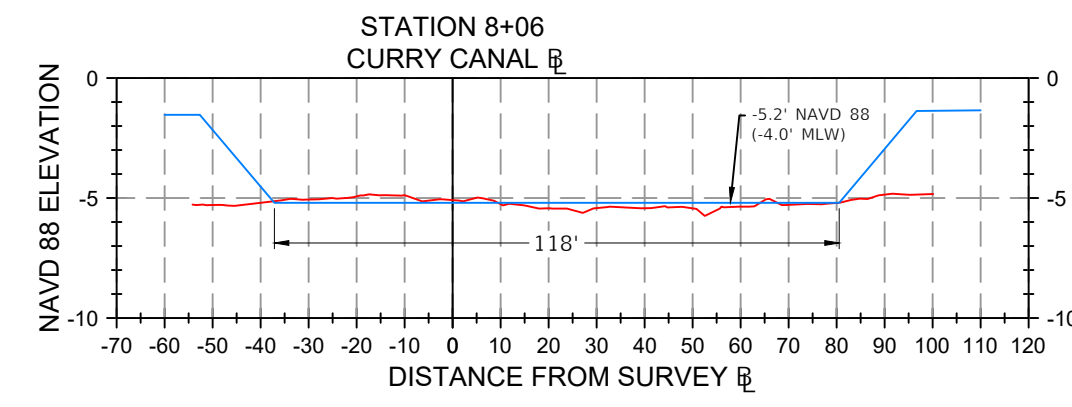
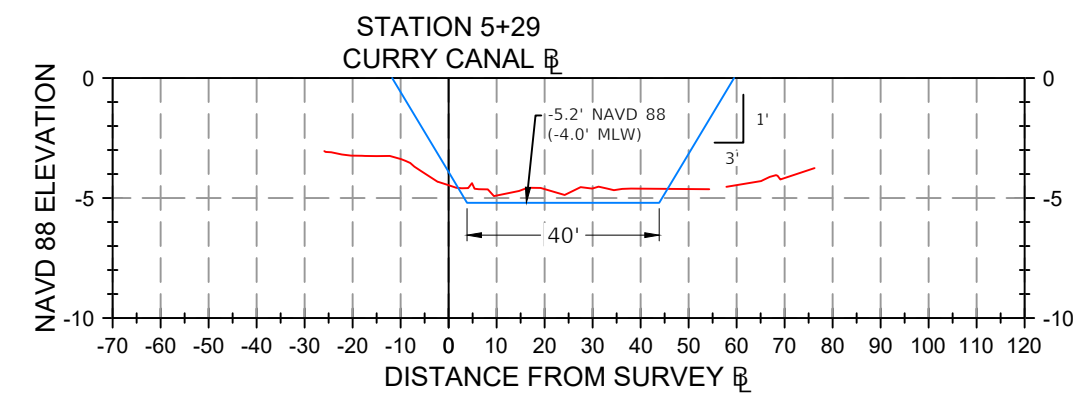
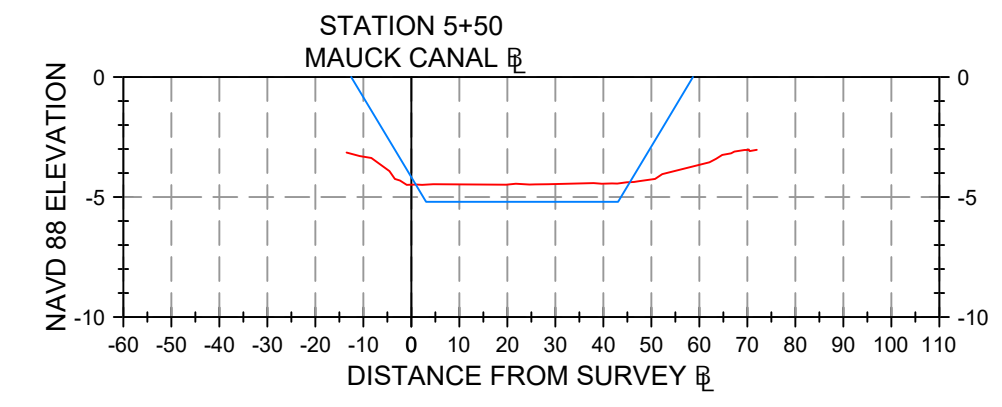
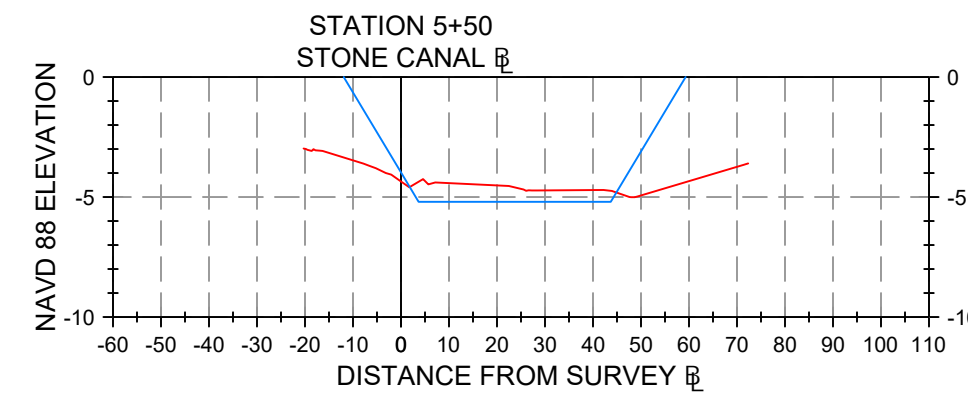
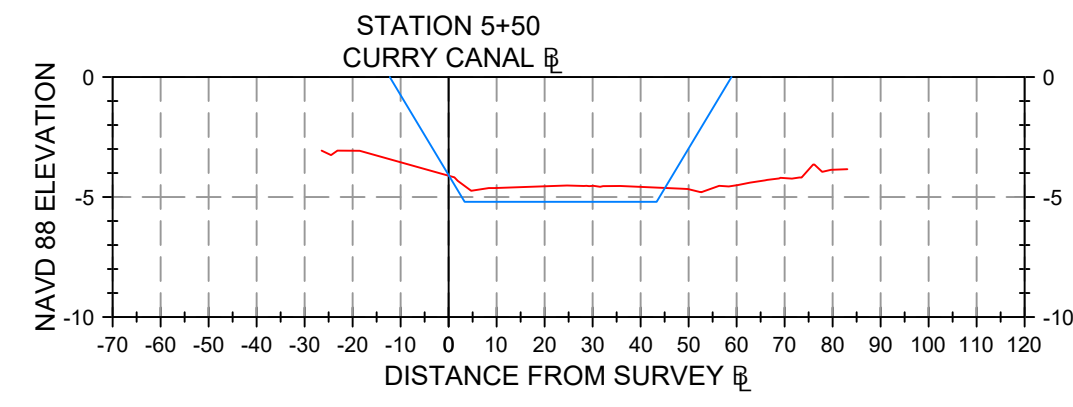
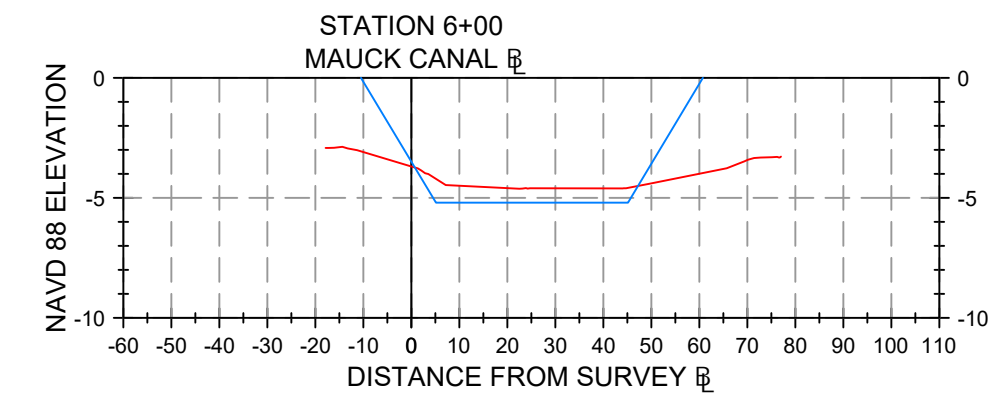
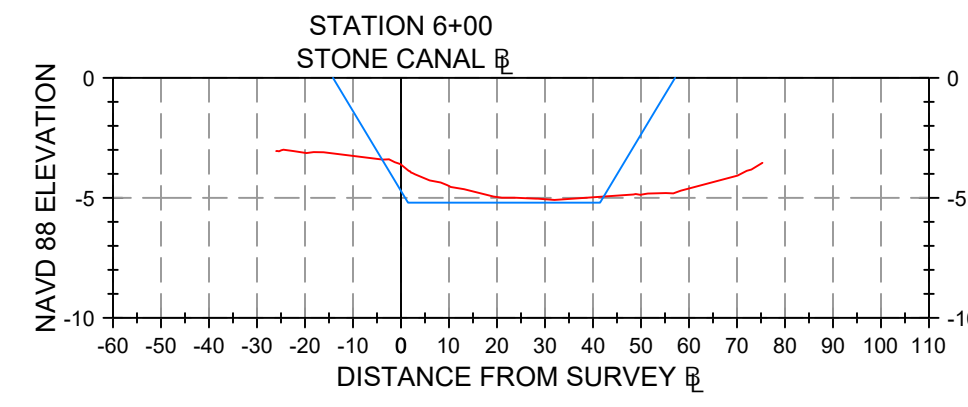
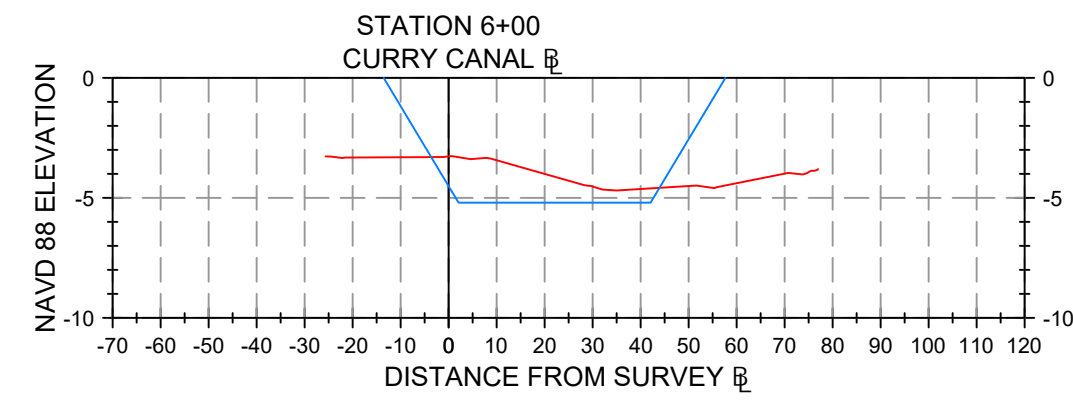
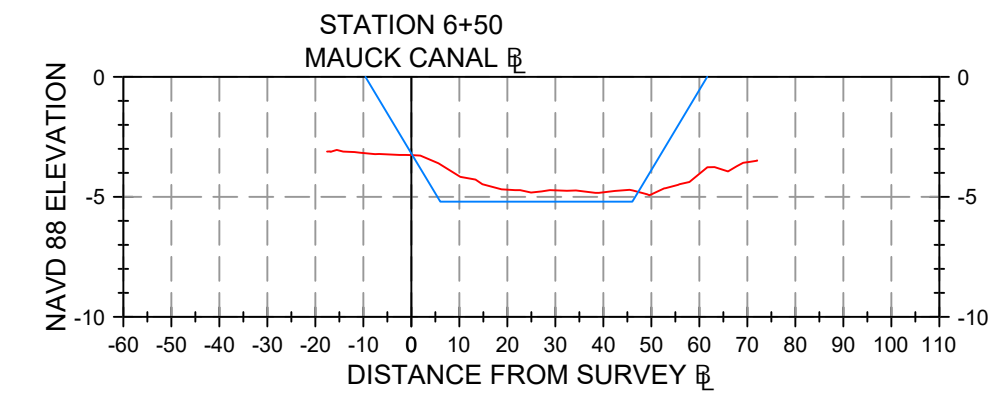
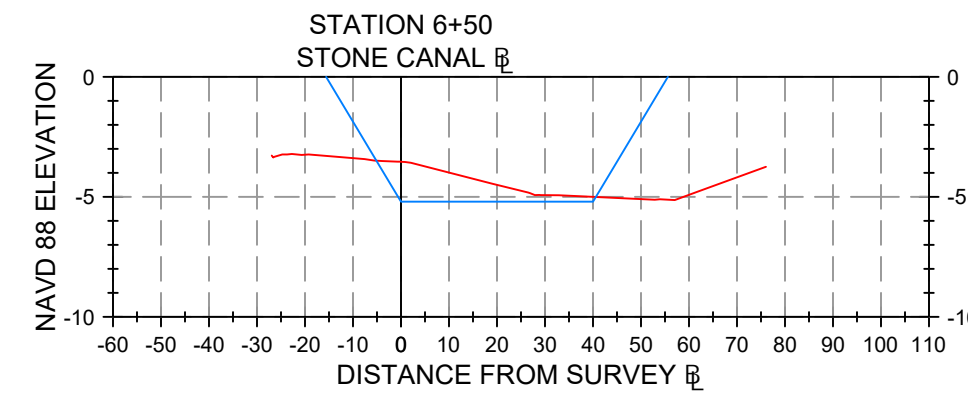
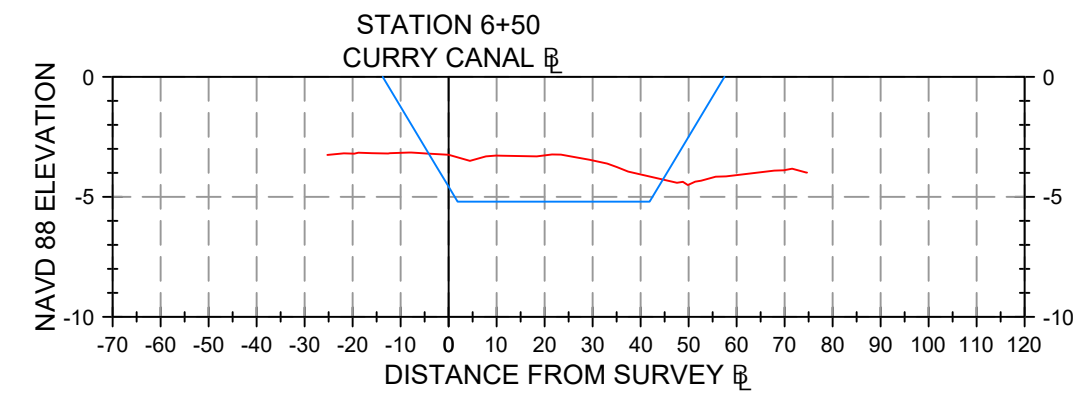
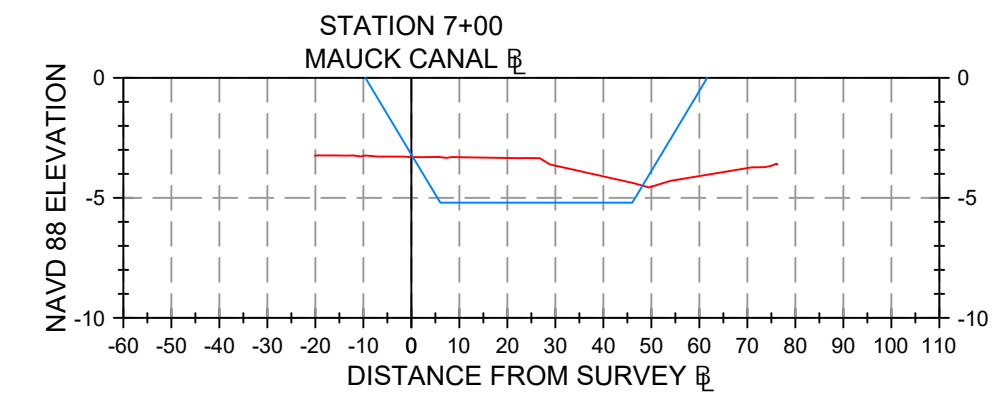
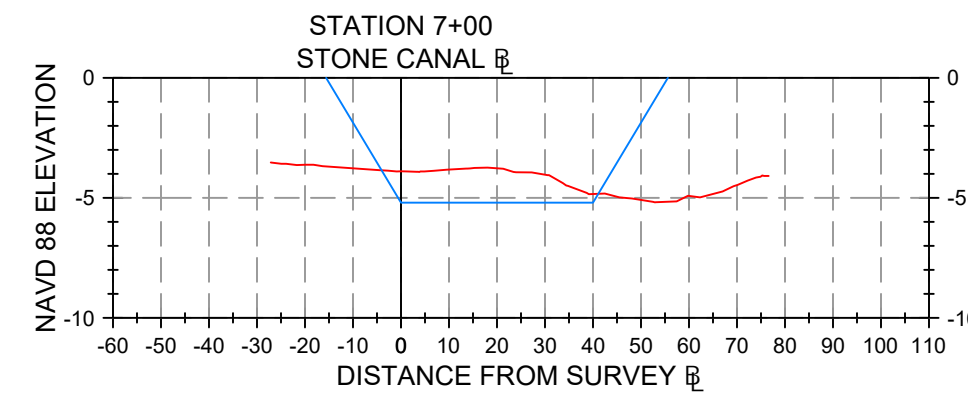
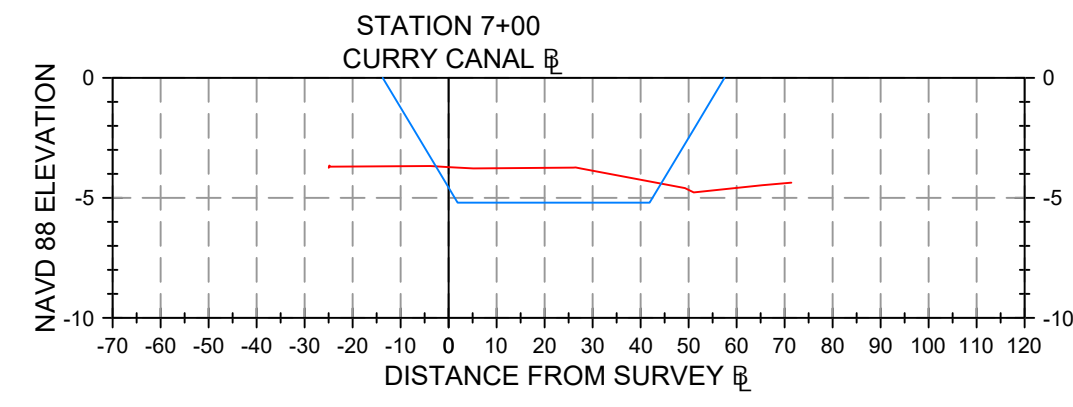
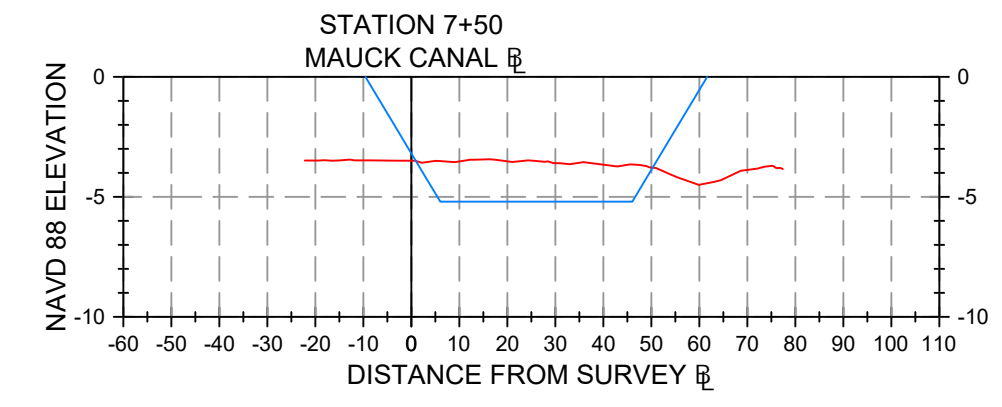
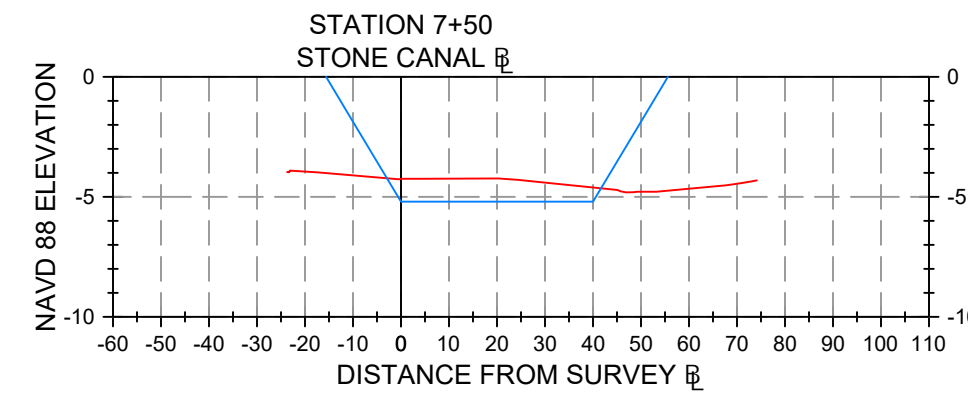
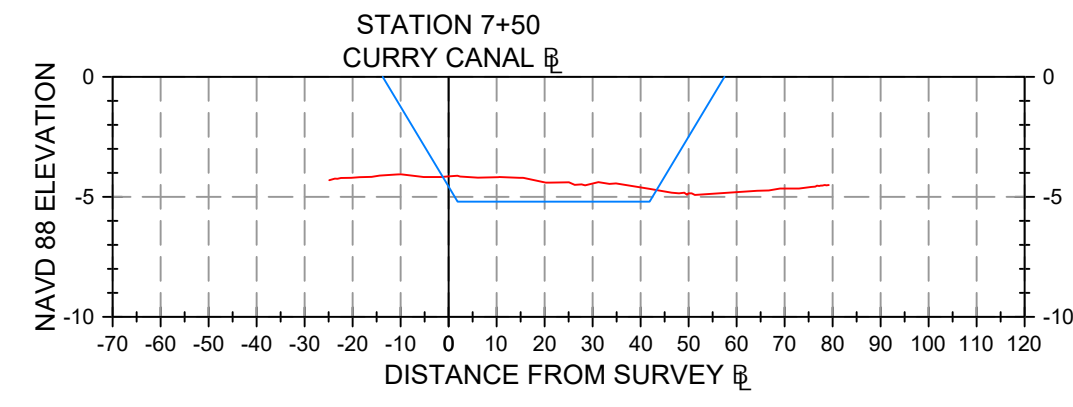
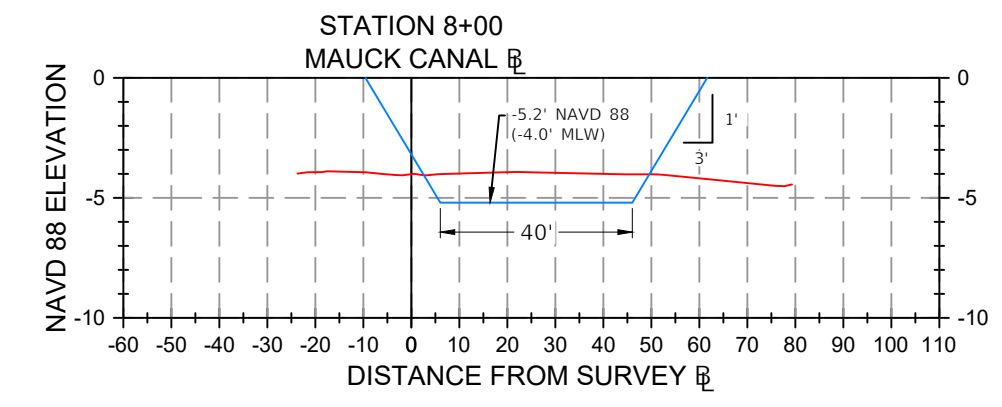
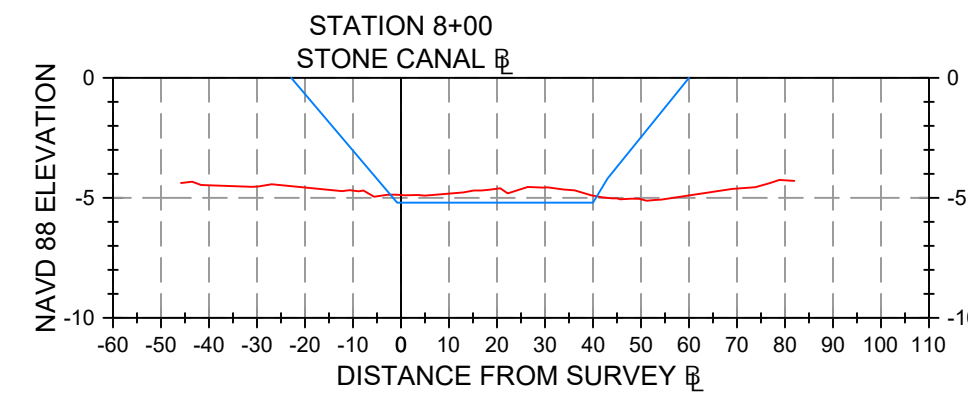
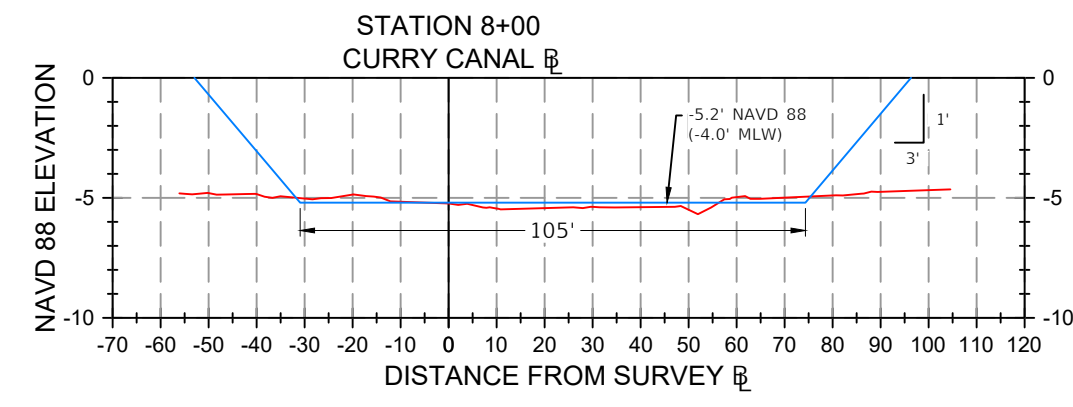
## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA

**SECTION SHEET LEGEND:**

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

**SCALE:**  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'



|   |   |   |
|---|---|---|
| <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT WHEELER, FLORIDA 32901<br>www.aimengr.com |   | CLIENT: CHARLOTTE COUNTY  |
| PROJECT NAME:<br>W08 322 PRE-STORM BATHYMETRIC SURVEYS  | PREPARED BY: AIM ENGINEERING & SURVEYING, INC.<br>SEE SHEET 1<br>DARREN TOWNSEND<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. 6676 | CERTIFICATE OF AUTHORIZATION No. 3114<br>DATE: 04/21/2025<br>DT: 05/09/2025 |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE APPROVED BY THE ORIGINAL DESIGNER AND FIELD BOOK. INC. IS PROHIBITED.   |   | FIELD BOOK: SEE NOTE 13   |
| PROJECT NO.: 24-1940  | SHEET: 24   | OF: 43  |
| SECTION: S  | COUNTY: CHARLOTTE   | RANGE: E  |
| HYDROGRAPHIC SURVEY<br>GULF COVE WATERWAYS  |   |   |
| FILE NAME: 24-1940_PHS07  |   |   |

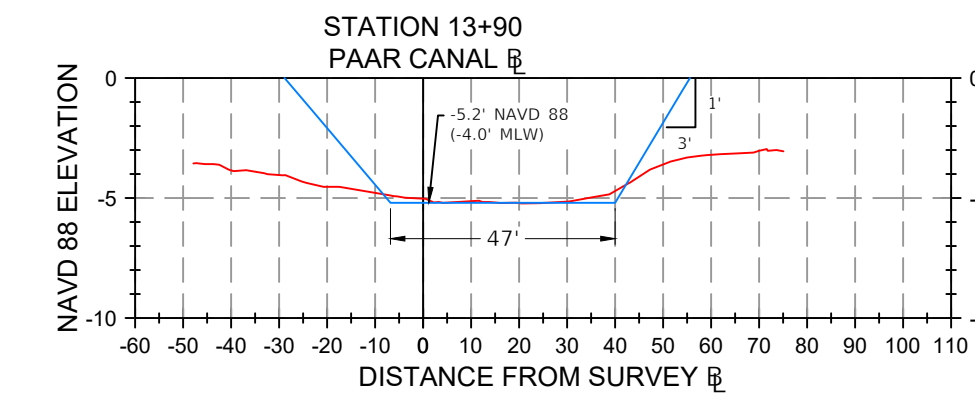
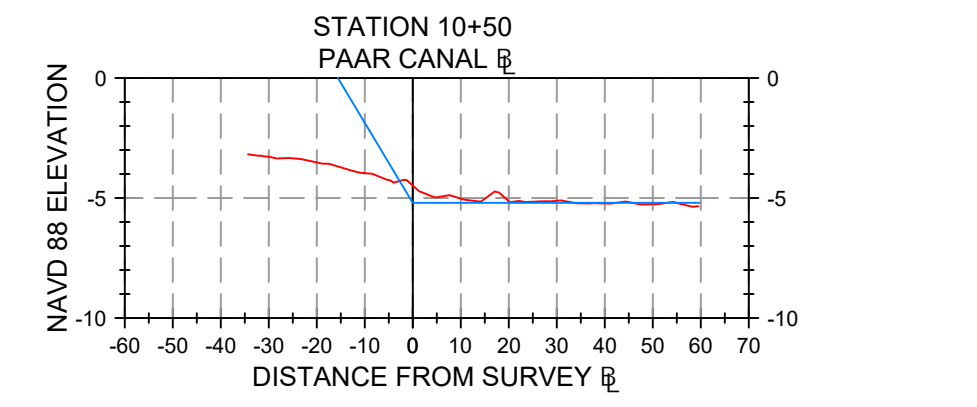
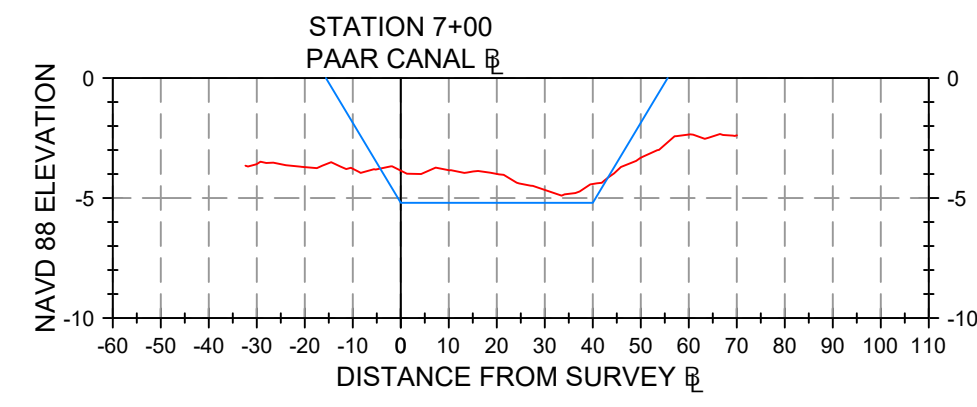
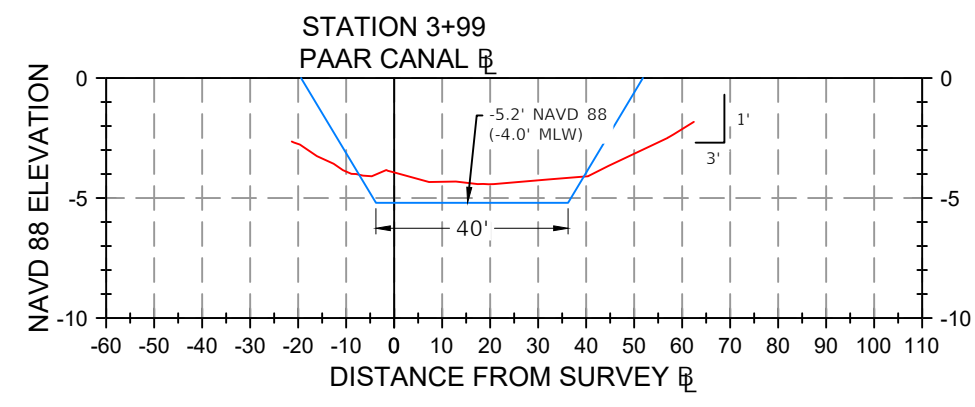
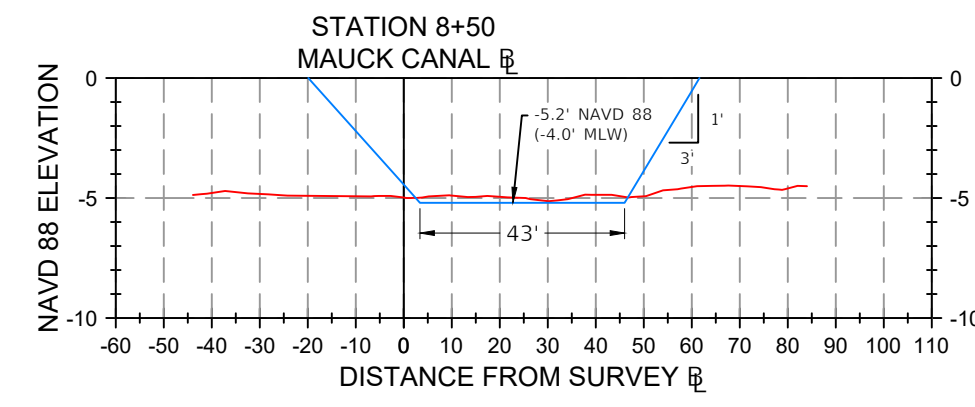
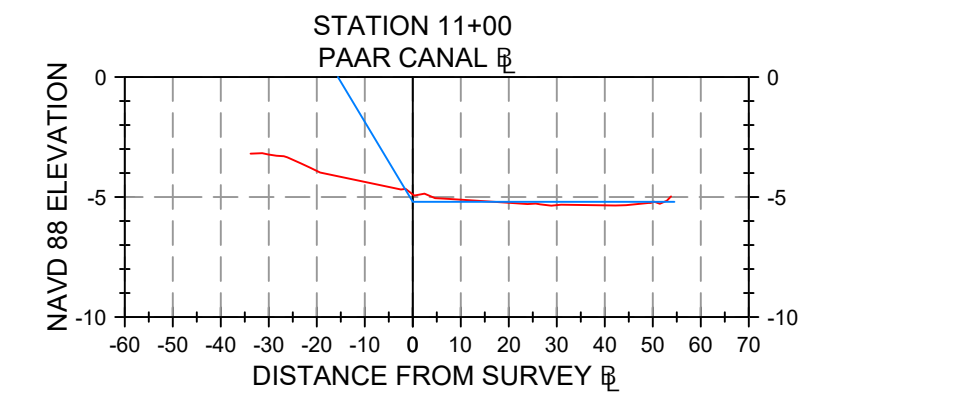
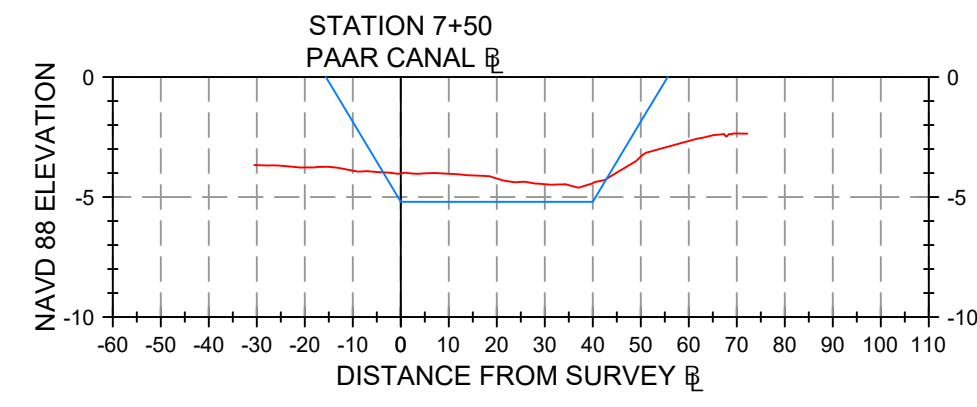
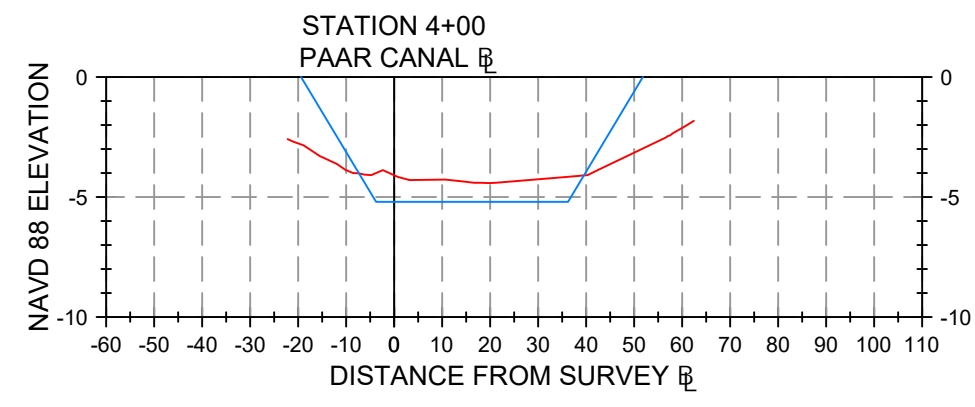
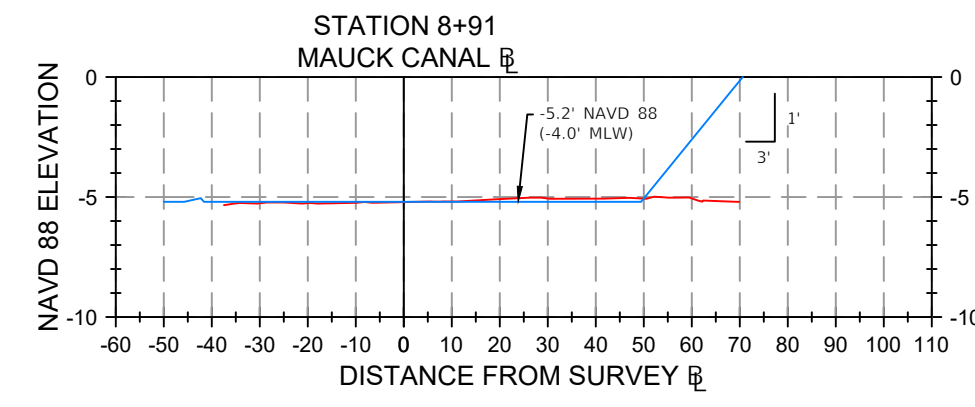
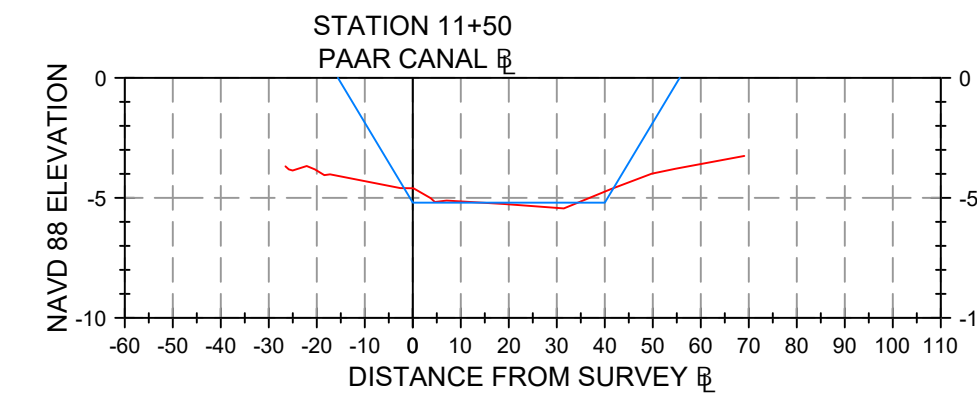
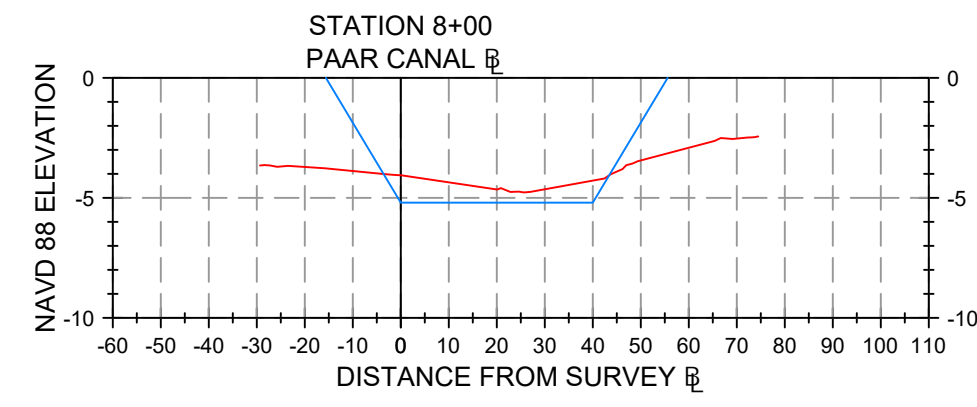
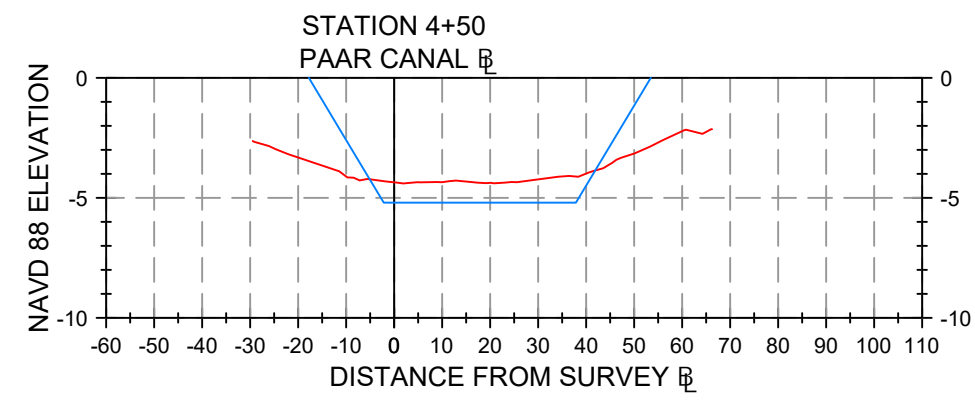
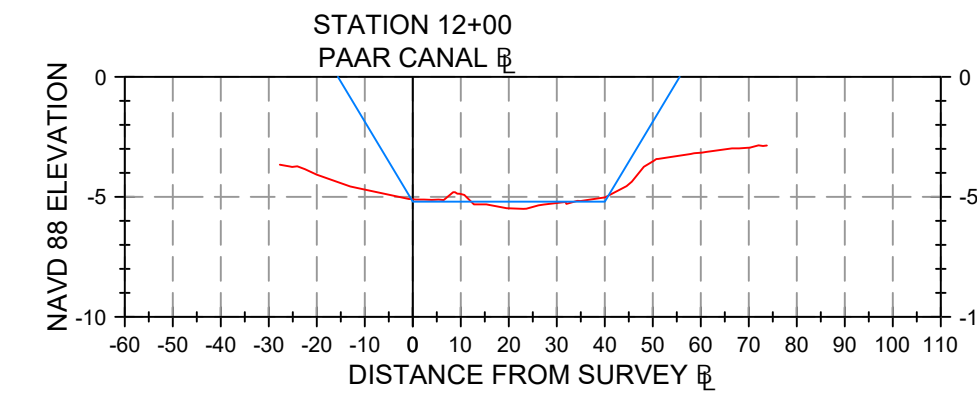
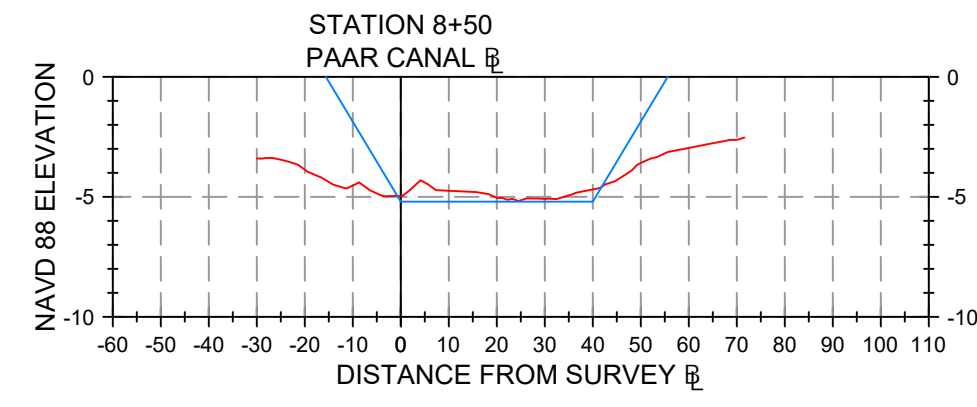
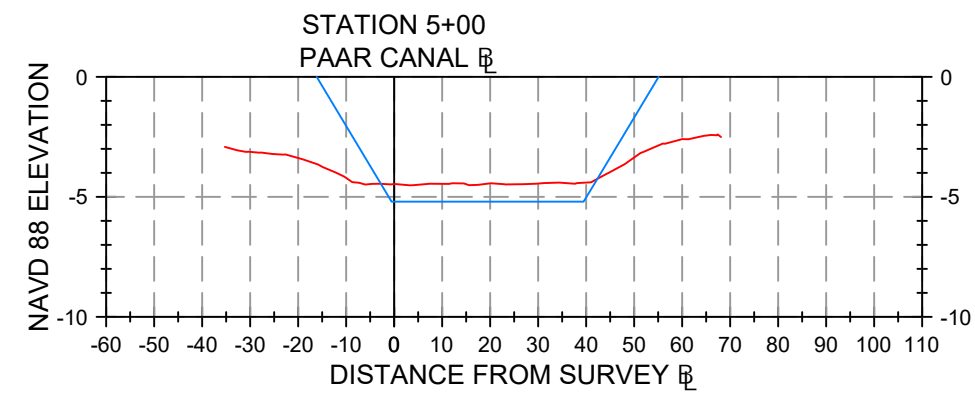
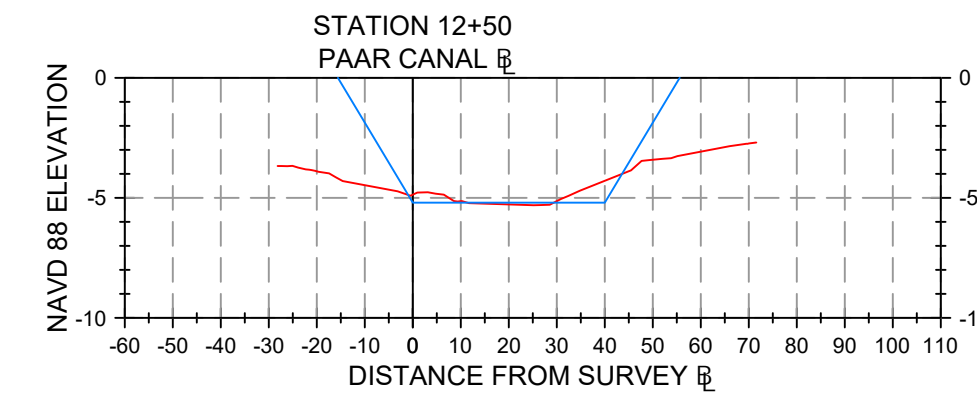
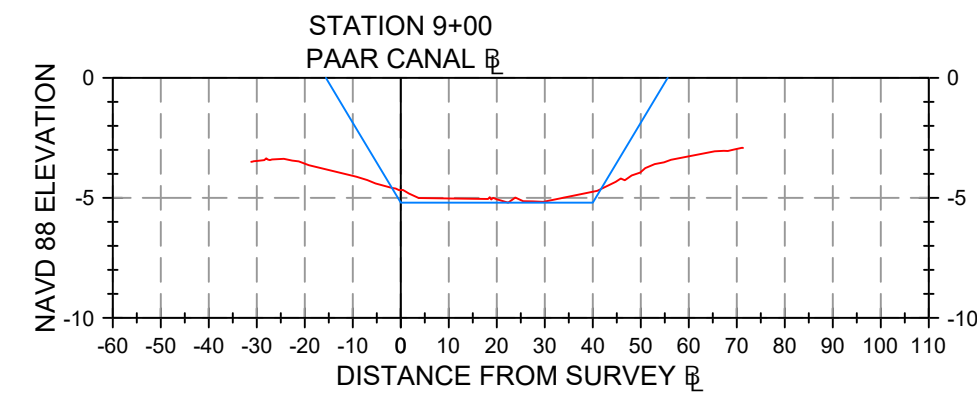
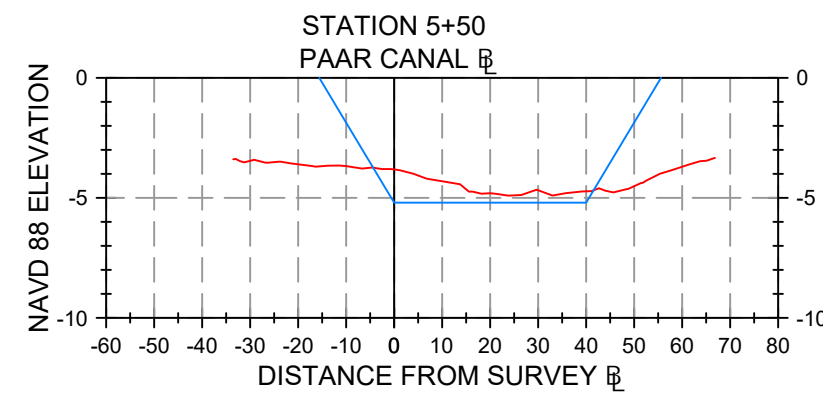
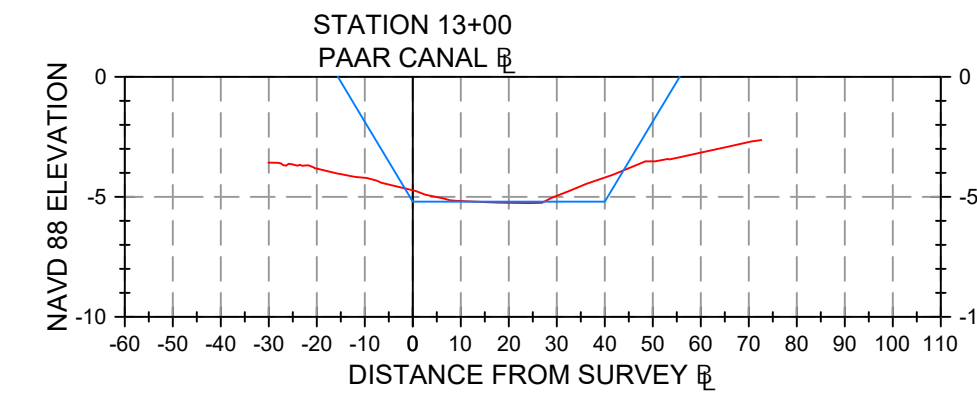
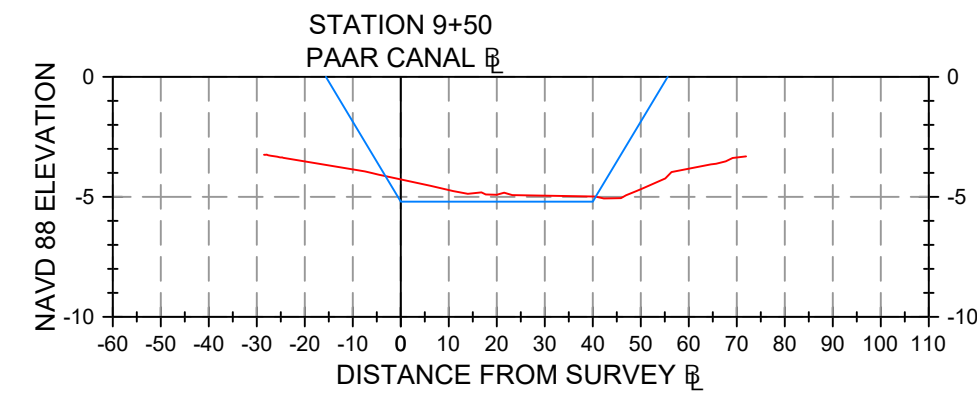
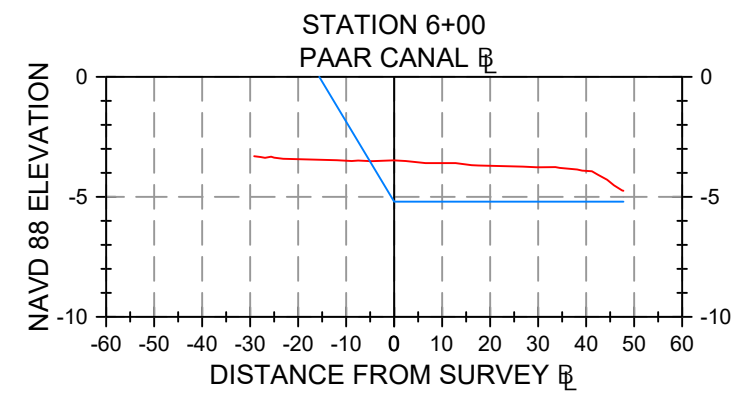
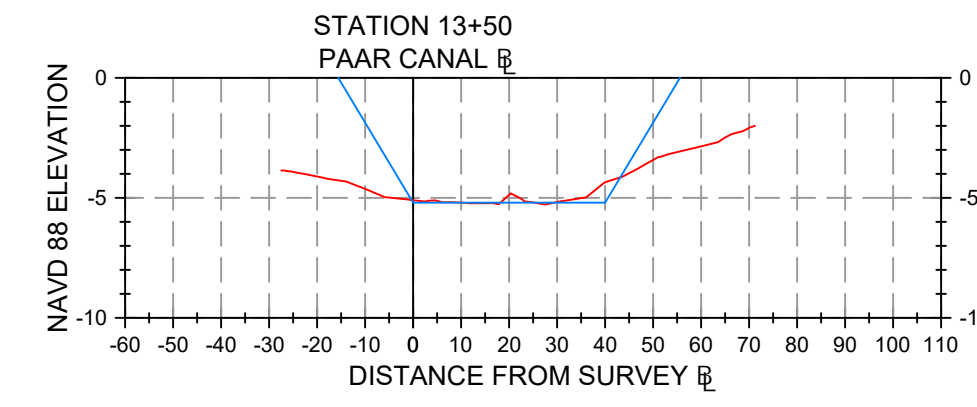
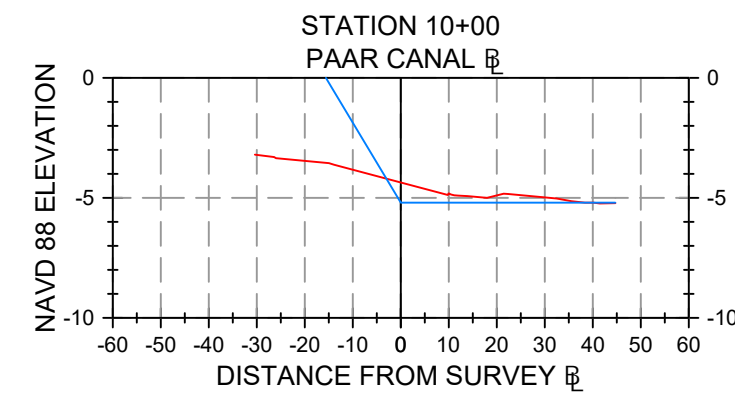
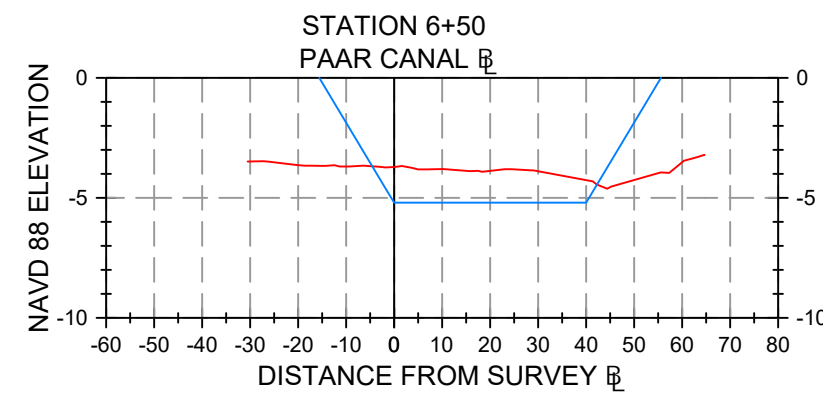
SECTION SHEET LEGEND:  
 ☐ = BASELINE  
 — = EXISTING BOTTOM SURFACE  
 — = DREDGE TEMPLATE  
 MLW = MEAN LOW WATER  
 NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



| NO. | DATE | BY | REVISIONS |
|-----|------|----|-----------|
| 1   |      |    |           |
| 2   |      |    |           |
| 3   |      |    |           |
| 4   |      |    |           |
| 5   |      |    |           |
| 6   |      |    |           |
| 7   |      |    |           |

ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND THE ORIGINAL SURVEYING, ENGINEERING & SURVEYING, INC. IS PROHIBITED.

FIELD BOOK: SEE NOTE 13

PROJECT NAME: W08 322 PRE-STORM BATHYMETRIC SURVEYS  
 PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  
 SEE SHEET 1  
 DARREN TOWSE/END MAPPER  
 PROFESSIONAL SEAL NO. PA 6676  
 FLORIDA CERTIFICATE NO. 3114

CIVIL \* SANITARY \* TRANSPORTATION \* DEVELOPMENT \* PROJECT MANAGEMENT  
 3151 FOWLER STREET, SUITE 100  
 FORT MYERS, FLORIDA 33901  
 www.aimengr.com

HYDROGRAPHIC SURVEY  
 GULF COVE WATERWAYS

PROJ. NO.: 24-1940 PH307  
 COUNTY: CHARLOTTE  
 SHEET: 25  
 OF: 43

DATE: 05/09/2025  
 DT  
 CHECKED: 04/21/2025  
 RH  
 DRAWN: 04/21/2025  
 DT  
 CLIENT: CHARLOTTE COUNTY

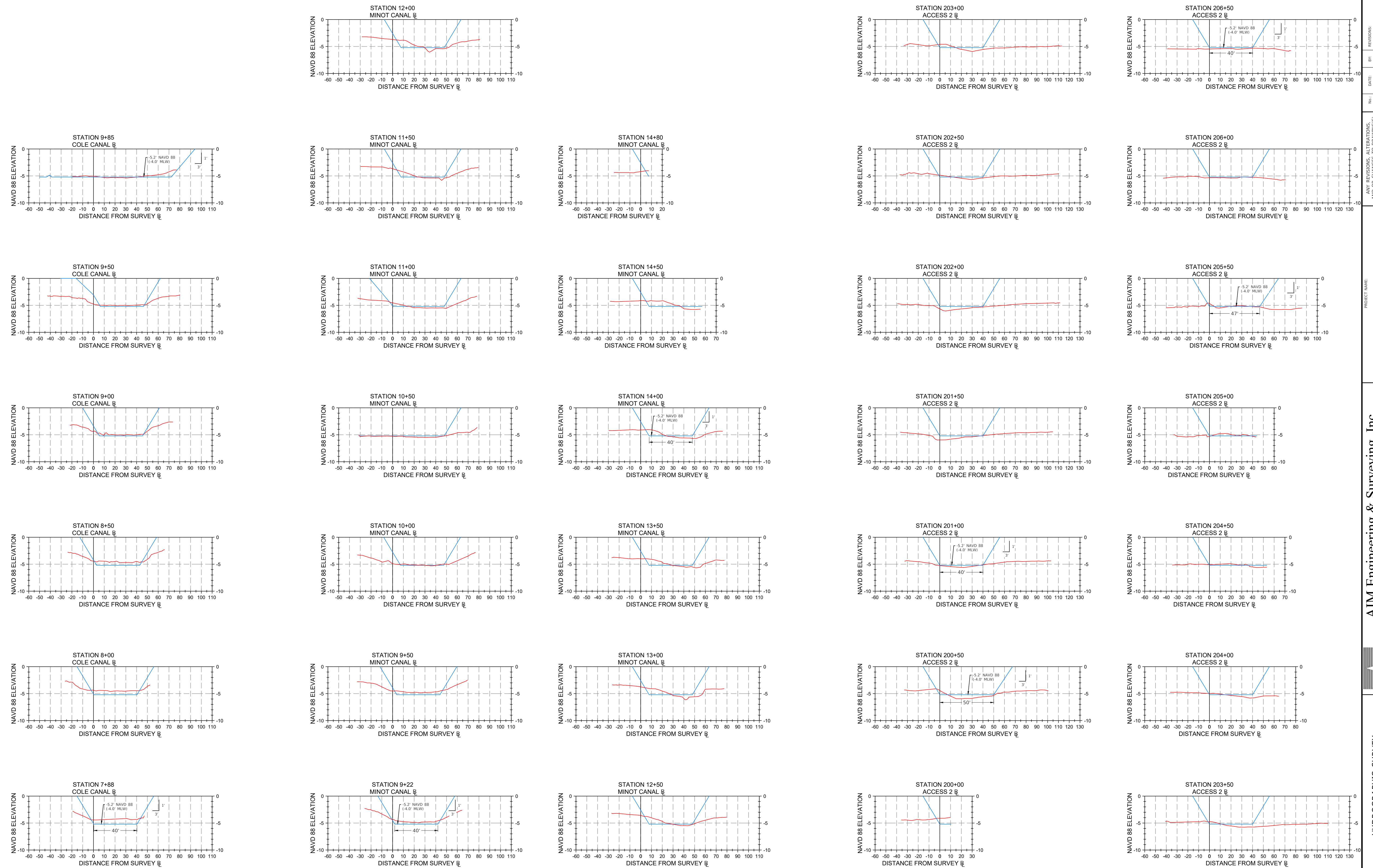
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# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|   |  |
|---|--|
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) AND/OR CHANGES TO DRAWING(S) FOR THE PROJECT SHALL BE MADE BY THE ORIGINAL SURVEYING AND SURVEYING, INC. IS PROHIBITED. |  |
| PROJECT NAME<br>WOP 322 PRE-STORM BATHYMETRIC SURVEYS   | PREPARED BY<br>AIM ENGINEERING & SURVEYING, INC. |
| FIELD BOOK<br>SEE SHEET 1   | PAGE<br>SEE NOTE 13                              |
| PROJECT NO.<br>24-1940  | DATE<br>05/09/2025                               |
| COUNTY<br>CHARLOTTE   | DT<br>04/21/2025                                 |
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| SECTION<br>CHARLOTTE  | DRAWN<br>RH                                      |
| TOWNSHIP<br>S   | CLIENT<br>CHARLOTTE COUNTY                       |
| RANGE<br>5  | ELEVATION<br>E                                   |
| SHEET<br>43   | FILE NAME<br>24-1940_PHS07                       |

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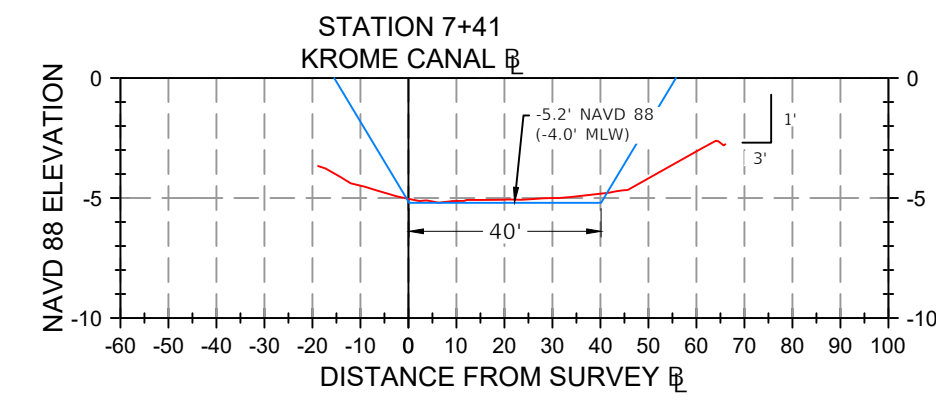
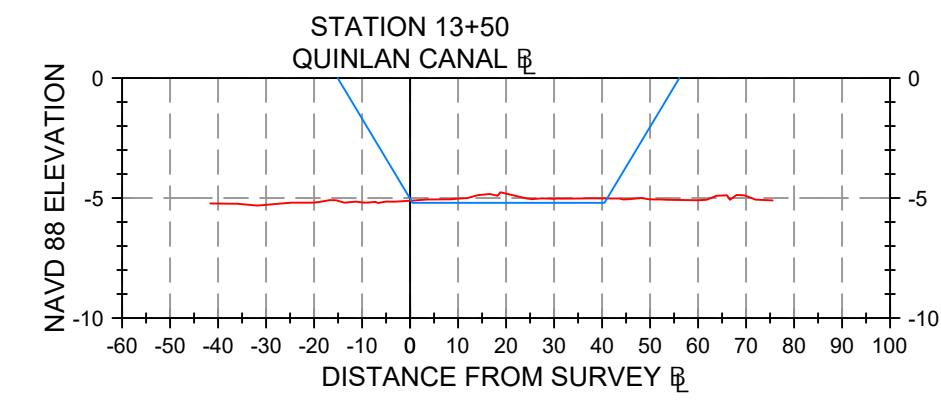
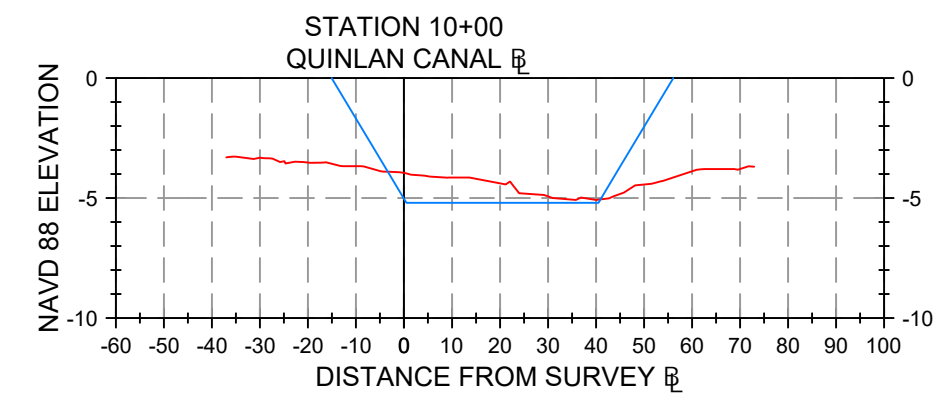
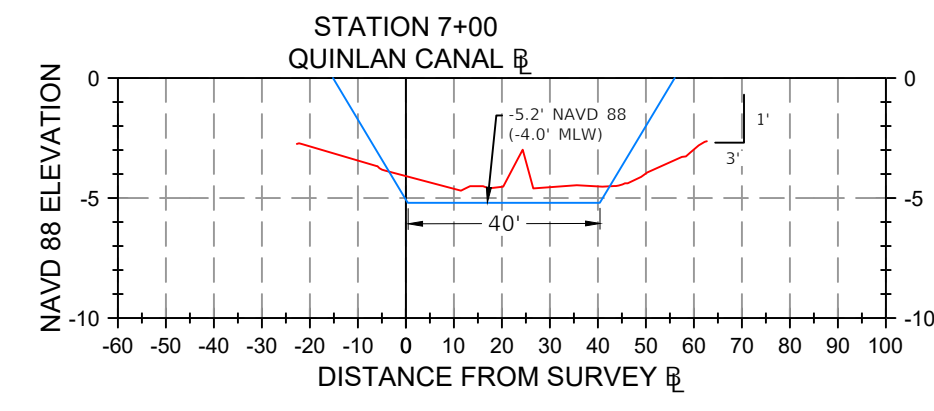
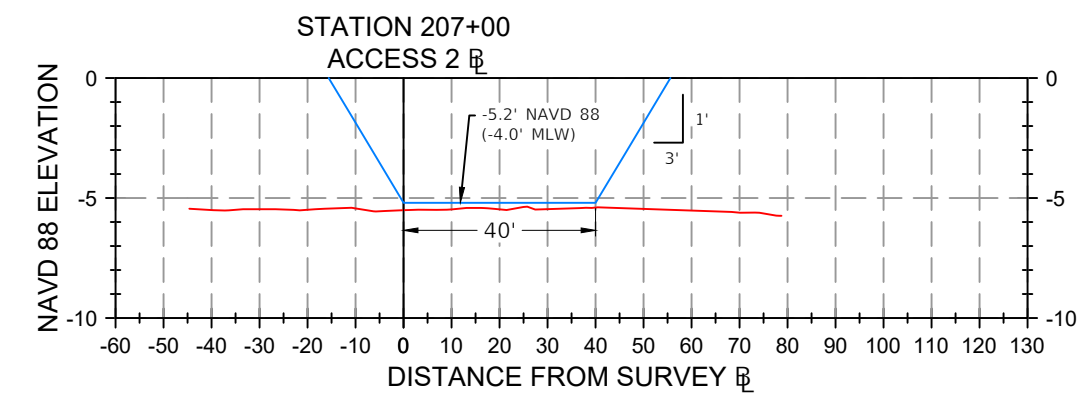
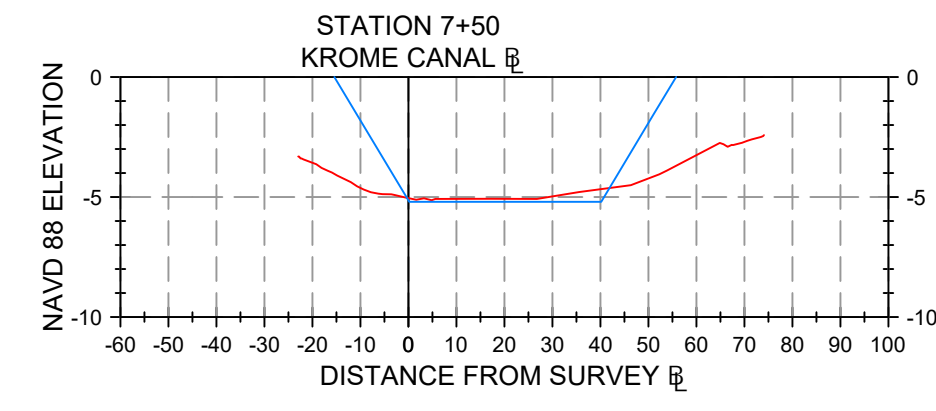
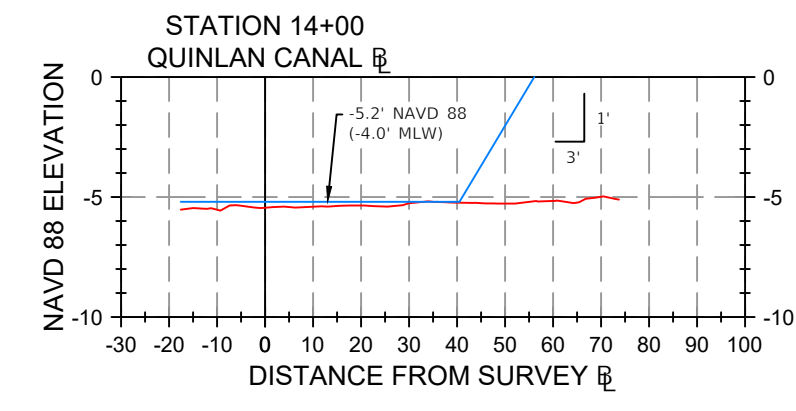
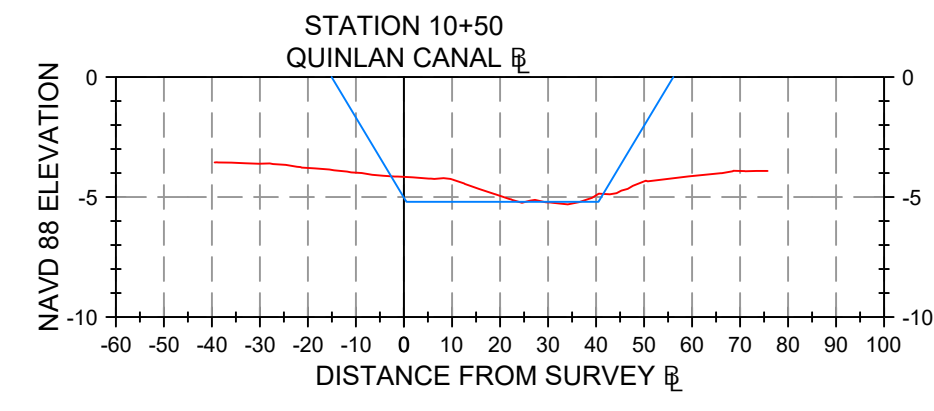
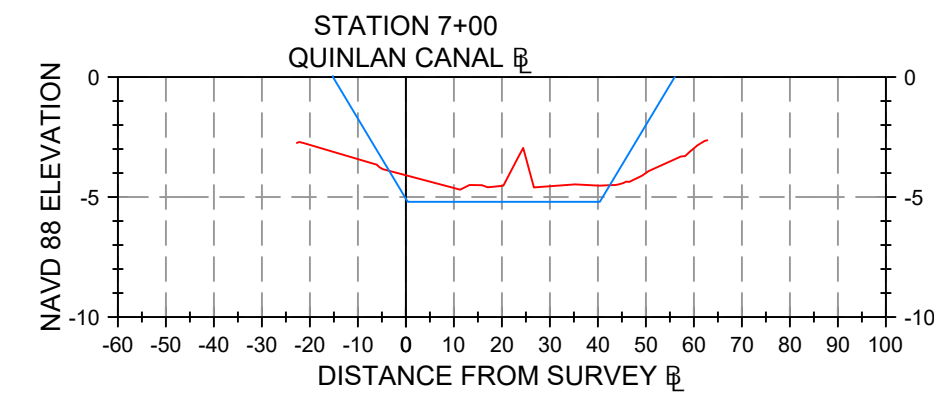
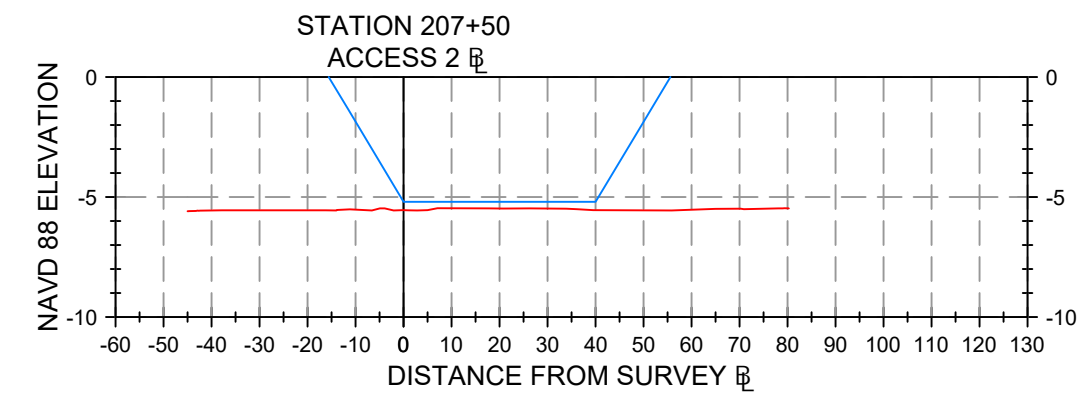
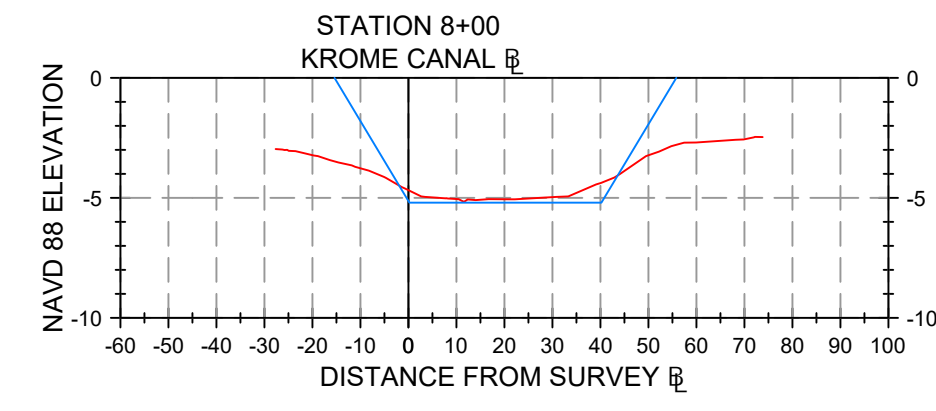
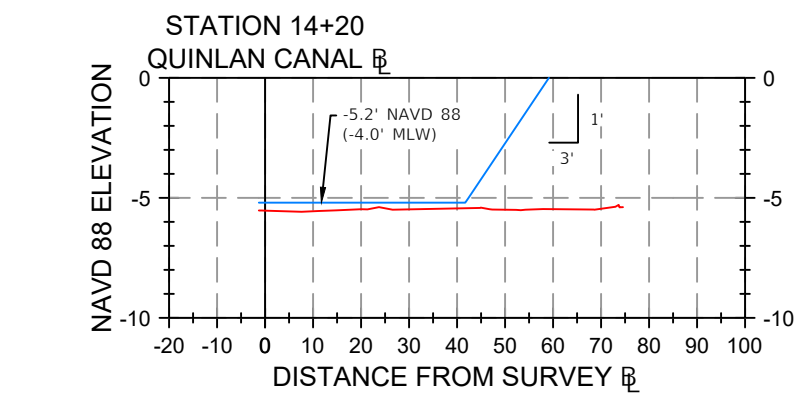
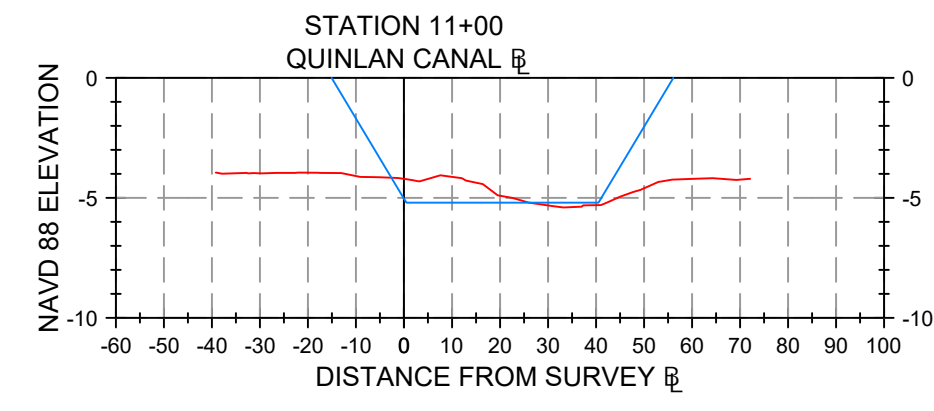
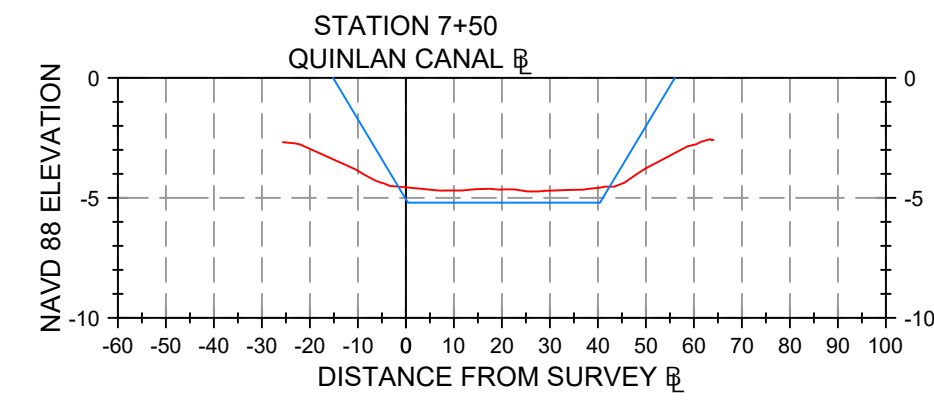
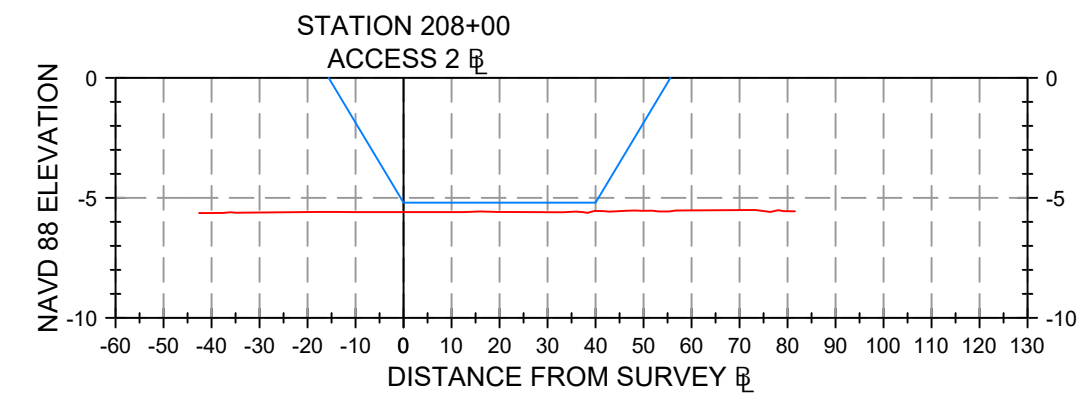
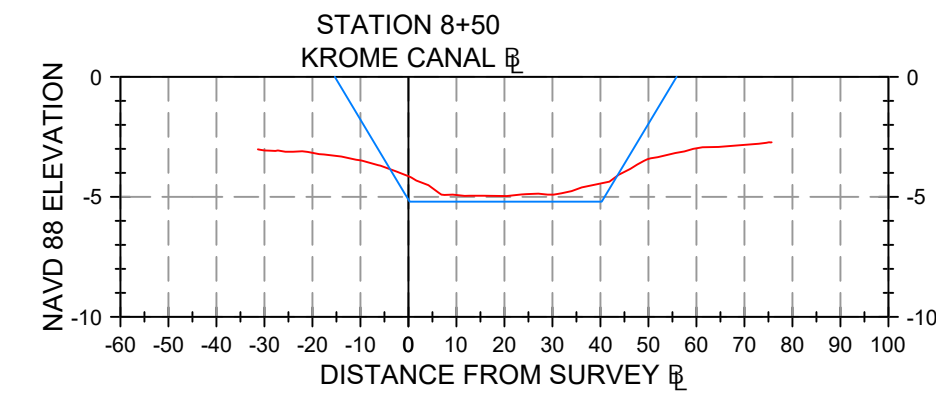
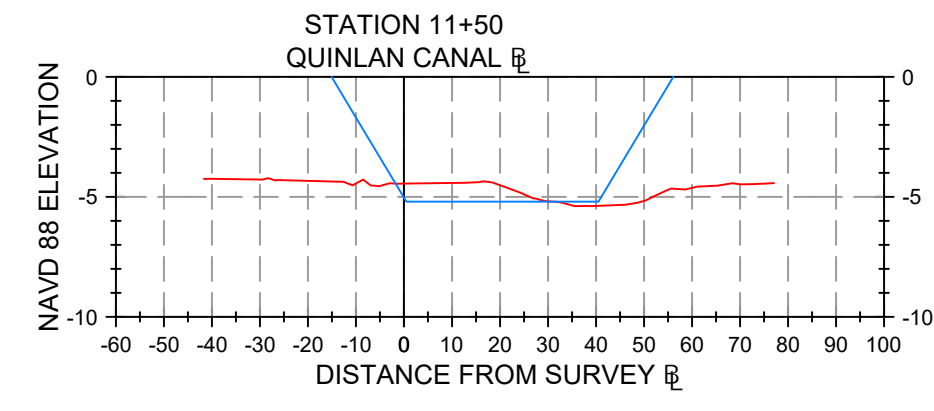
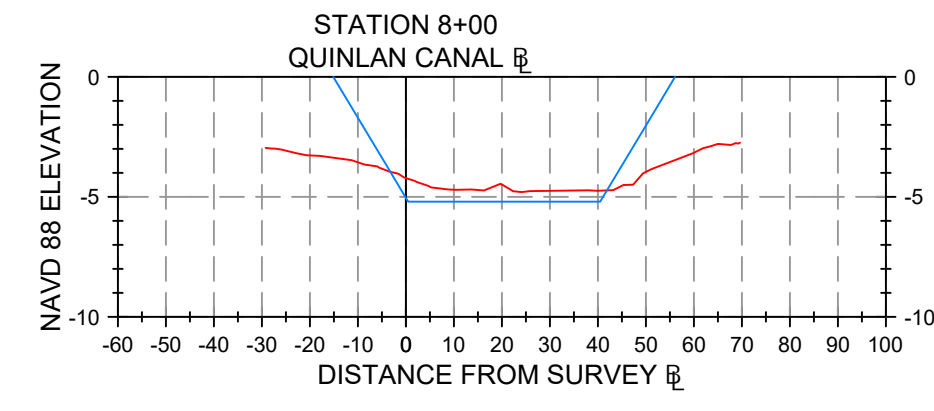
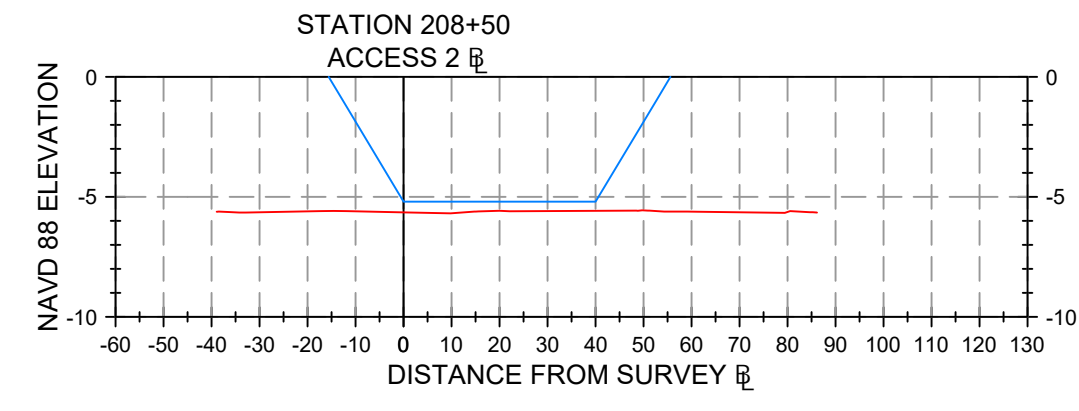
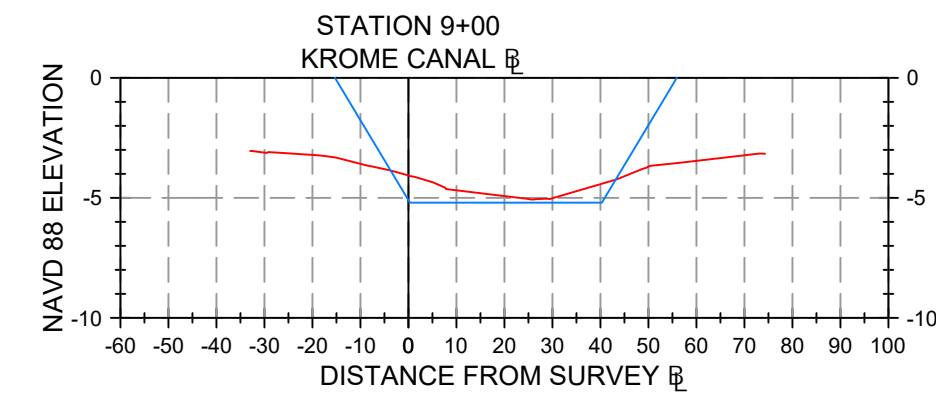
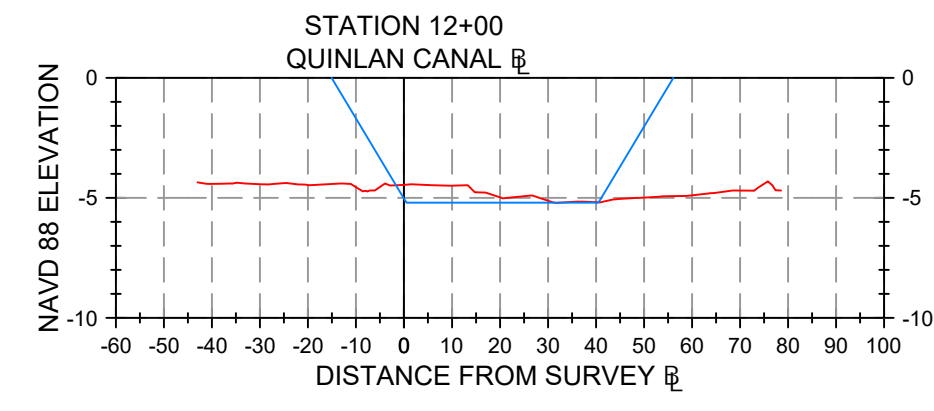
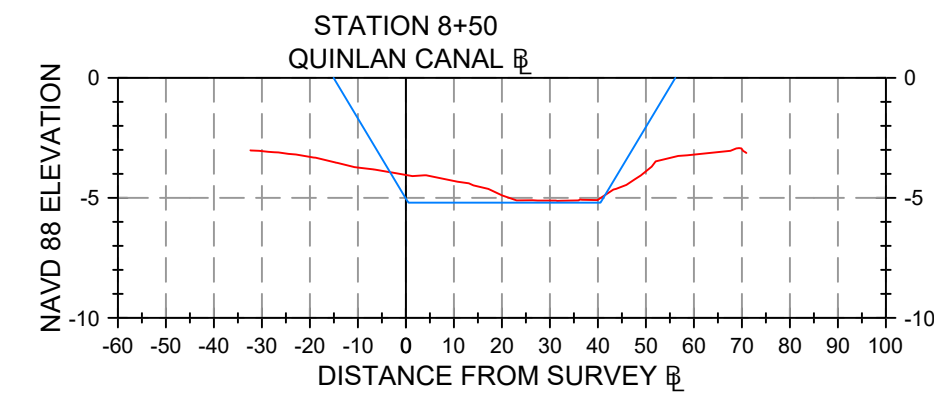
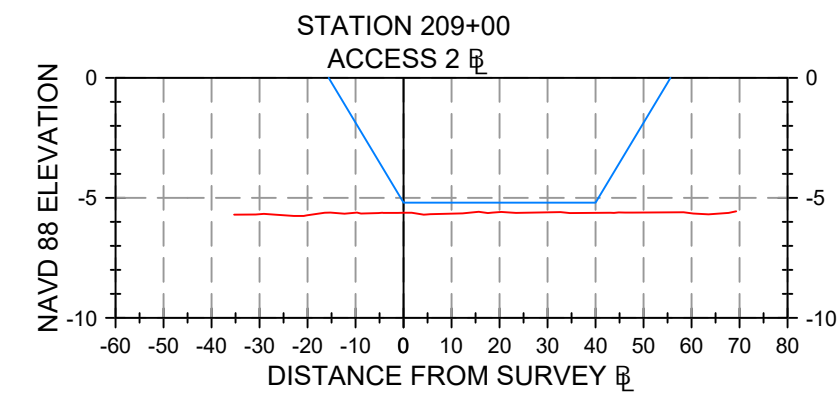
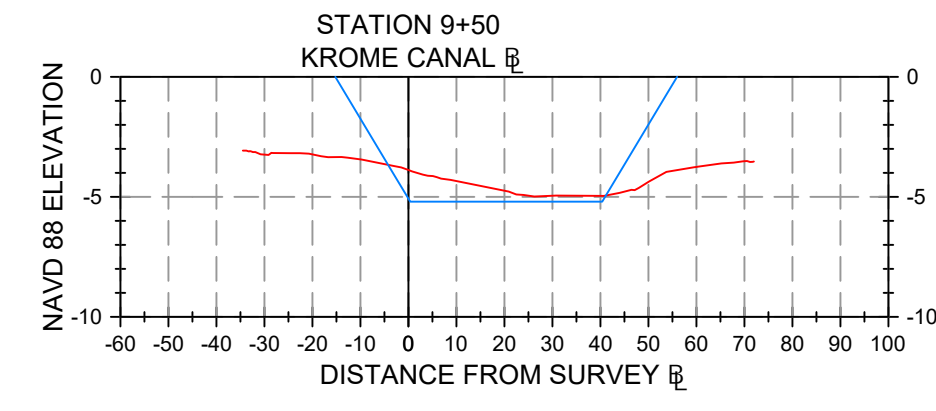
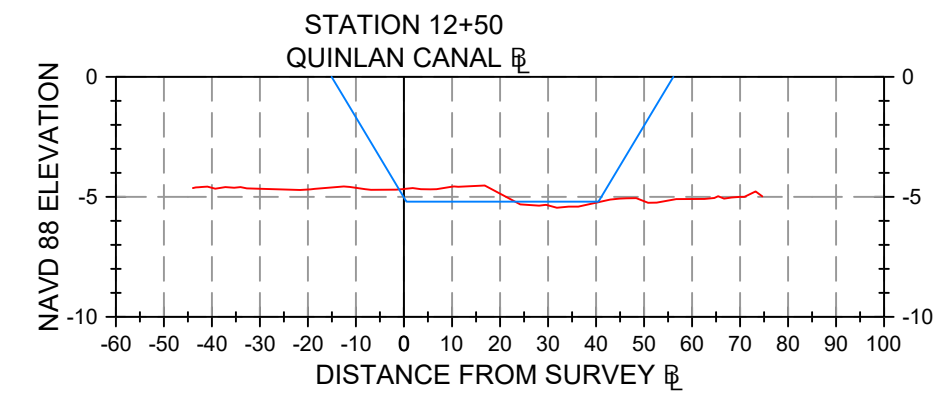
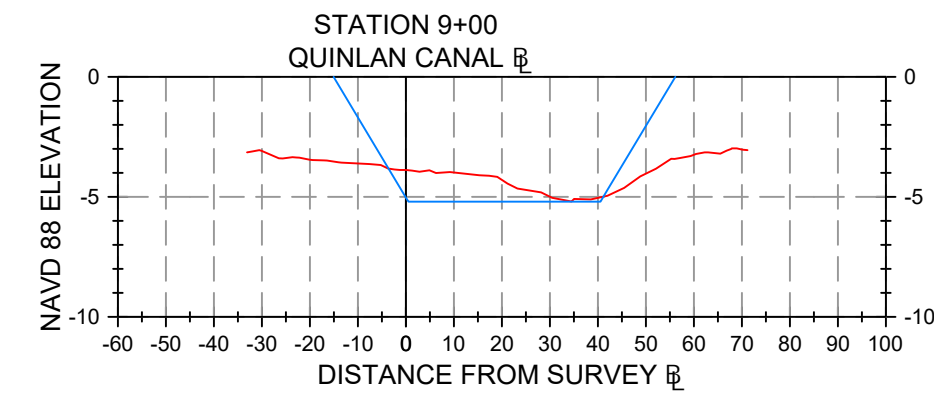
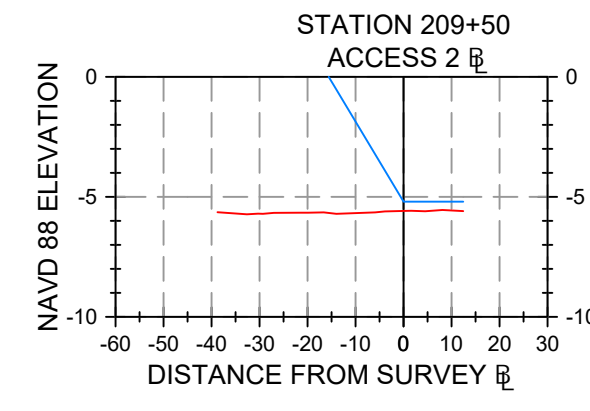
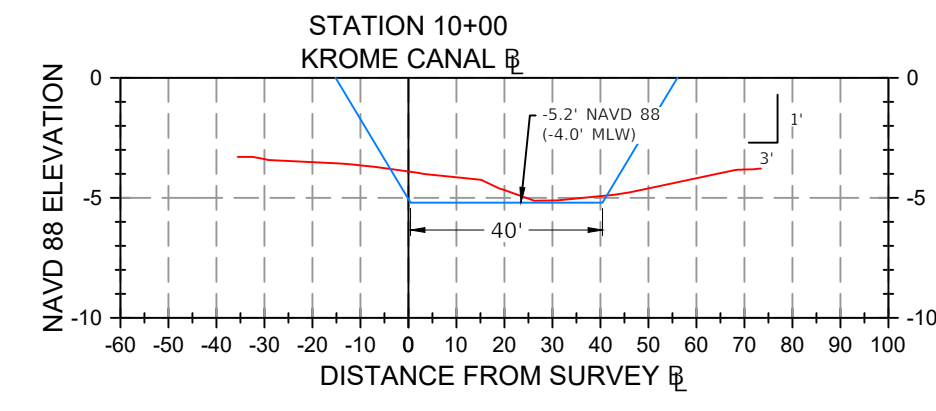
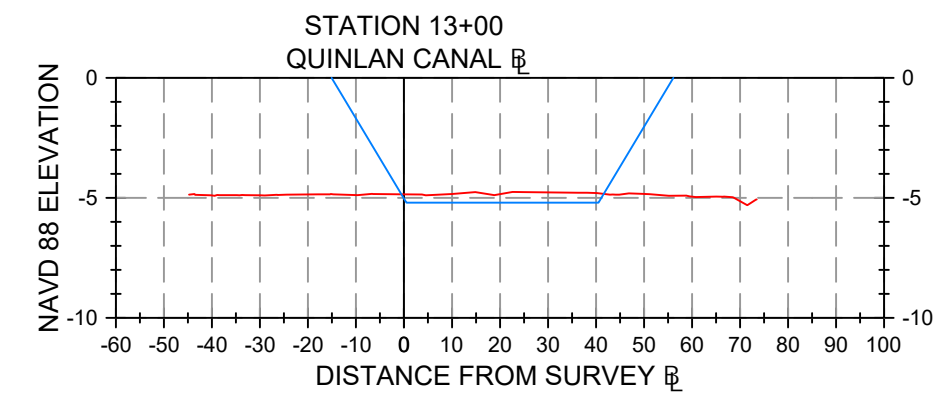
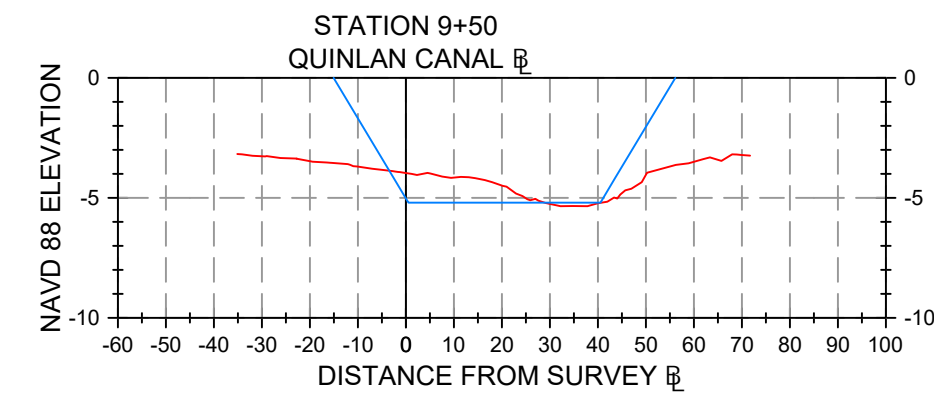
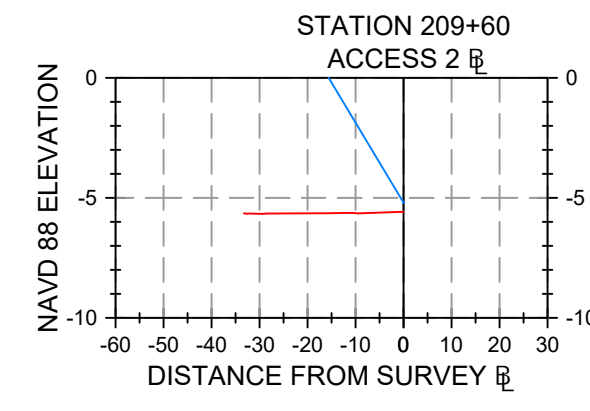
SECTION SHEET LEGEND:  
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# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|  |  |      |  |     |  |
|--|--|------|--|-----|--|
| PROJECT NAME<br>WOP 322 PRE-STORM BATHYMETRIC SURVEYS          |  | DATE |  | NO. |  |
| PREPARED BY: AIM ENGINEERING & SURVEYING, INC.                 |  | DATE |  | NO. |  |
| SEE SHEET 1  |  | DATE |  | NO. |  |
| DARREN TOWNSEND<br>PROFESSOR<br>FLORIDA CERTIFICATE NO. 6676   |  | DATE |  | NO. |  |
| JAMES W. TOWNSEND<br>PROFESSOR<br>FLORIDA CERTIFICATE NO. 6676 |  | DATE |  | NO. |  |
| CLIENT<br>CHARLOTTE COUNTY                                     |  | DATE |  | NO. |  |
| DRAWN<br>RH  |  | DATE |  | NO. |  |
| CHECKED<br>DT  |  | DATE |  | NO. |  |
| DATE<br>05/09/2025   |  | DATE |  | NO. |  |
| FILE NAME<br>24-1940_PHS07                                     |  | DATE |  | NO. |  |
| PROJECT NO.<br>24-1940   |  | DATE |  | NO. |  |
| COUNTY<br>CHARLOTTE  |  | DATE |  | NO. |  |
| SECTION<br>S   |  | DATE |  | NO. |  |
| RANGE<br>E   |  | DATE |  | NO. |  |
| SHEET<br>27  |  | DATE |  | NO. |  |
| OF<br>43   |  | DATE |  | NO. |  |

ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND THE ORIGINAL DRAWING(S) MUST BE MAINTAINED IN THE ORIGINAL DRAWING(S) AND THE ORIGINAL DRAWING(S) MUST BE MAINTAINED IN THE ORIGINAL DRAWING(S).

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 FORT WHEELER, FLORIDA 32901  
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CHARLOTTE COUNTY

# HYDROGRAPHIC SURVEY

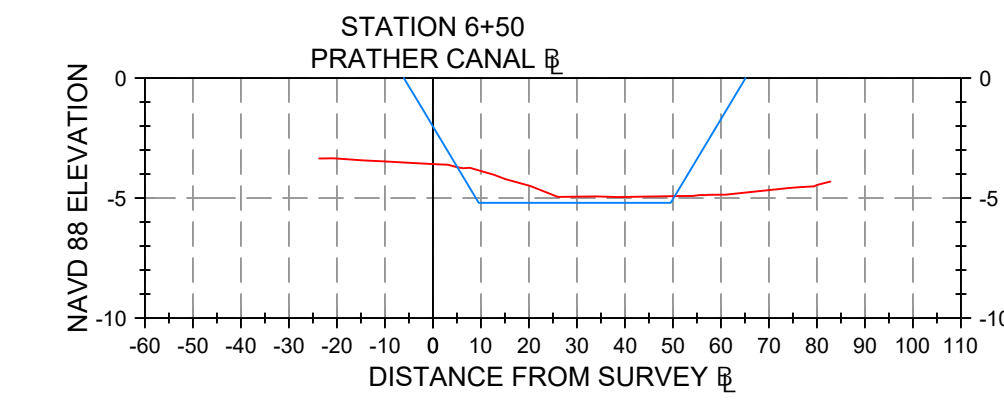
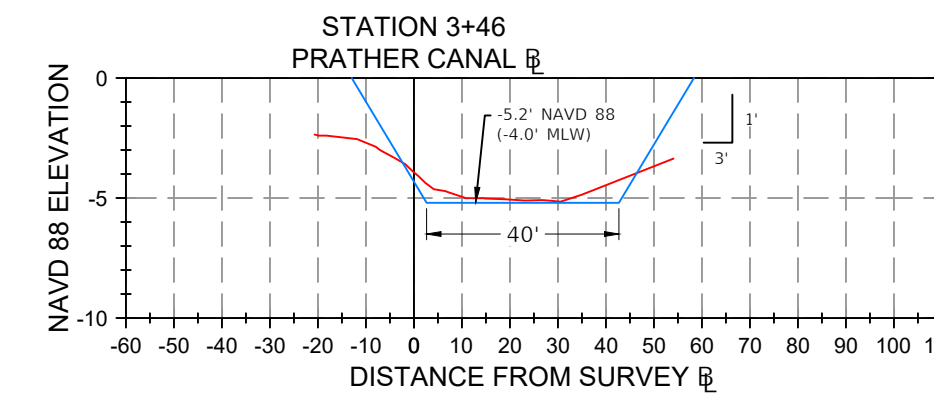
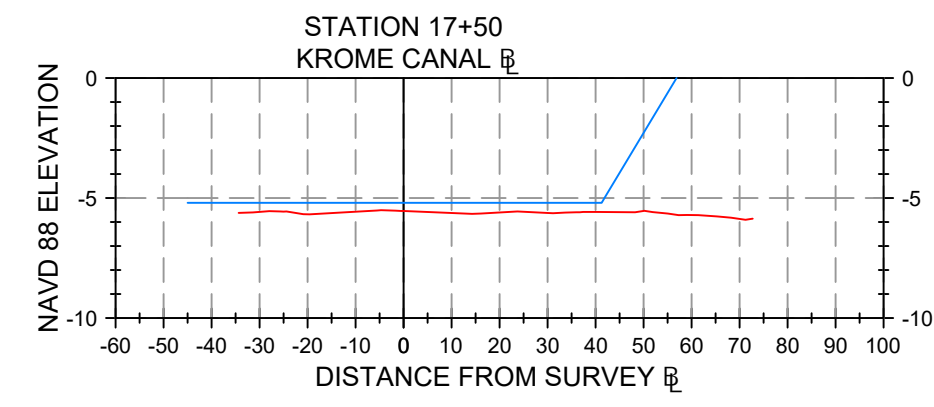
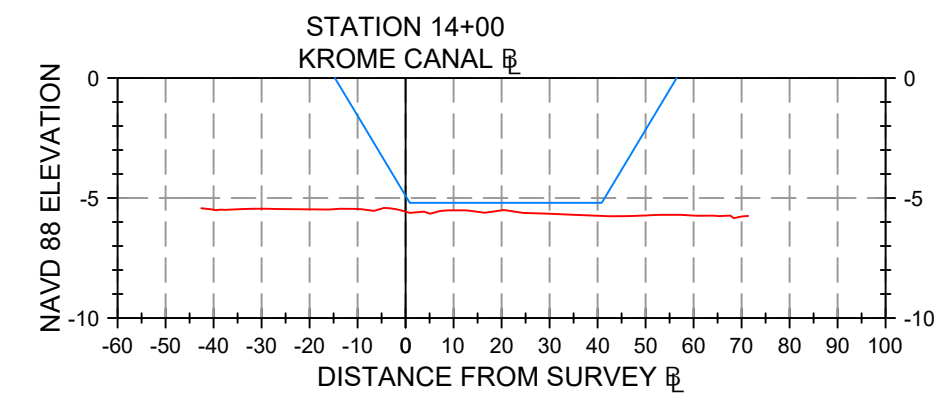
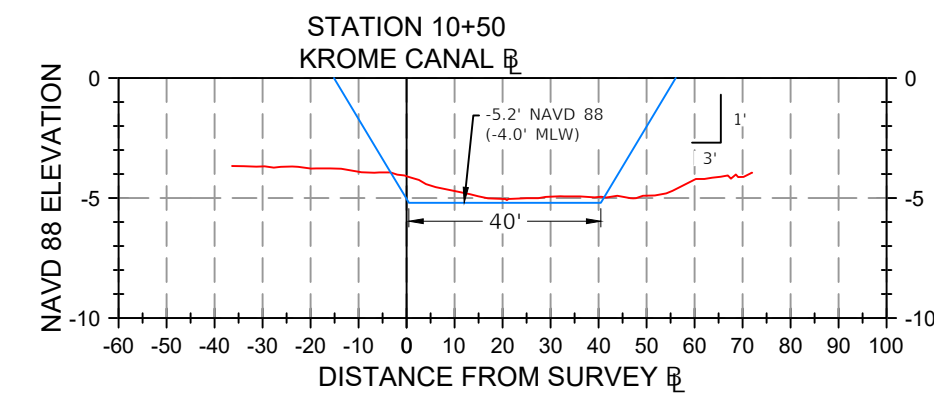
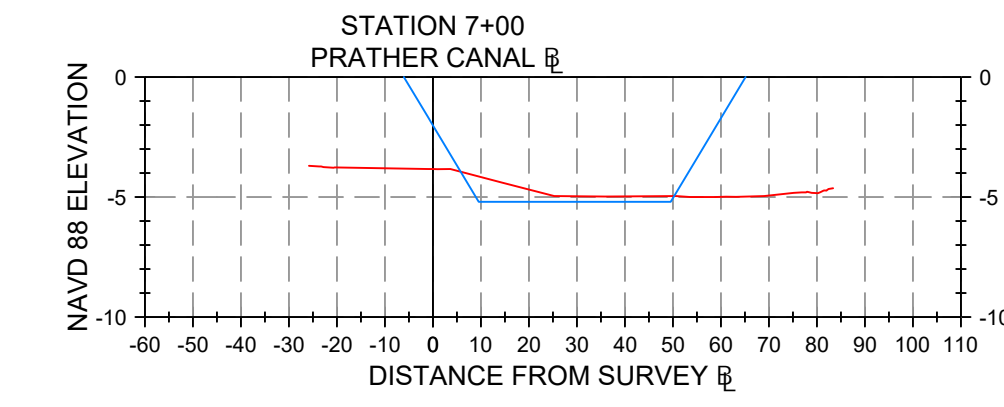
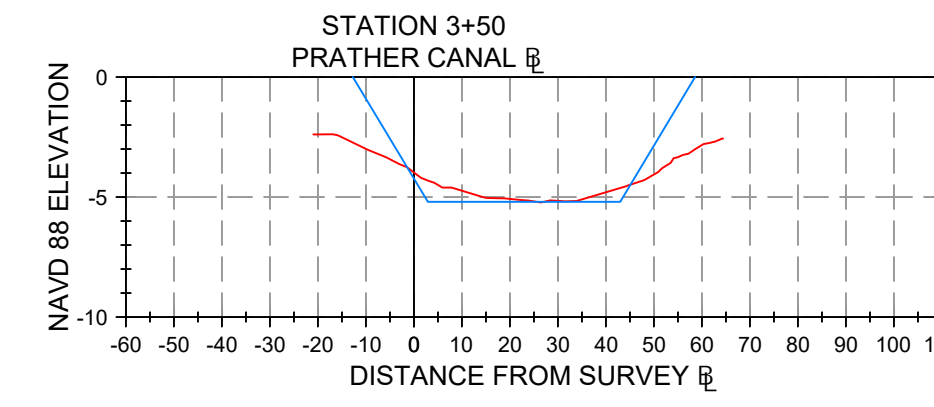
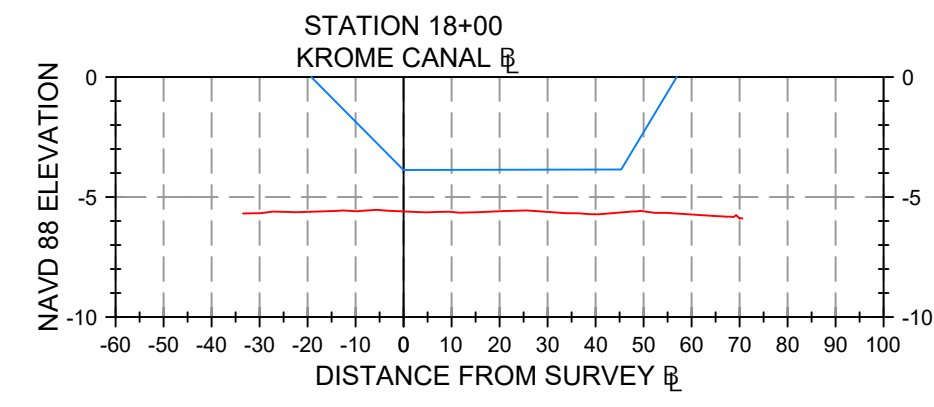
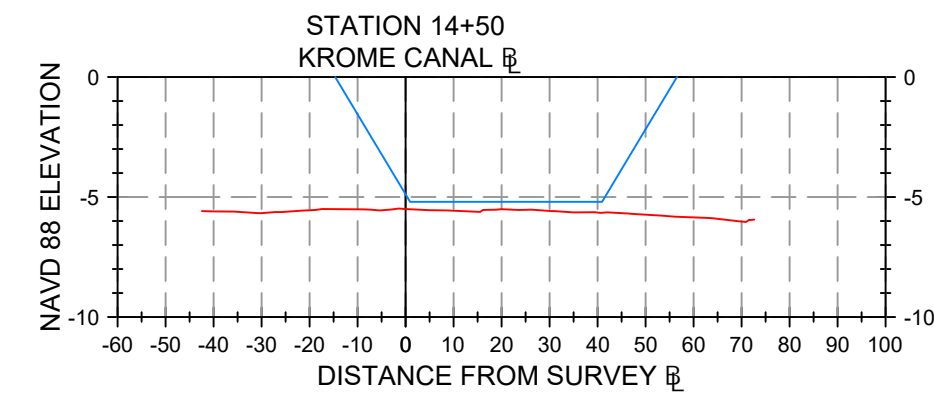
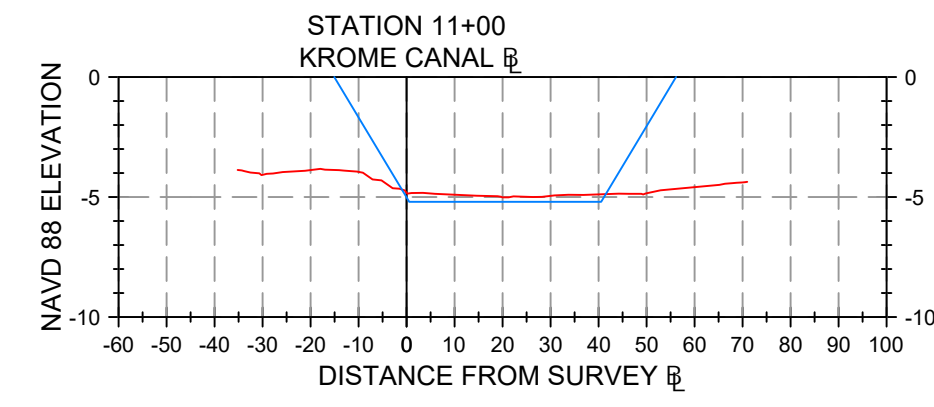
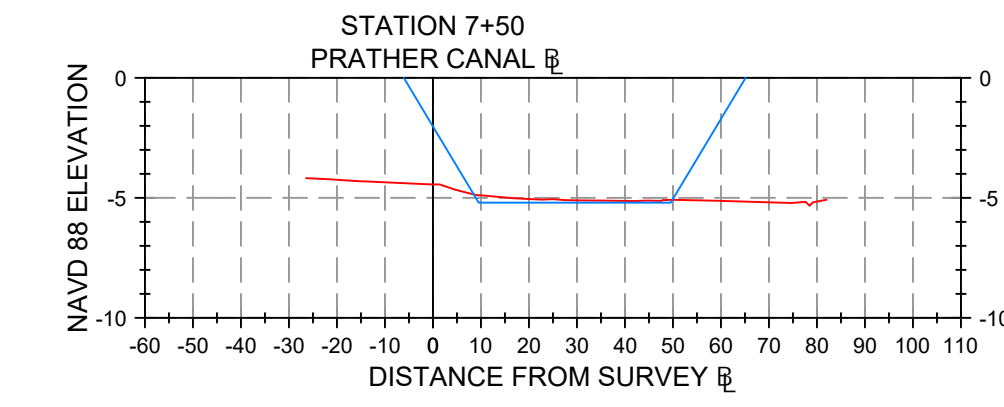
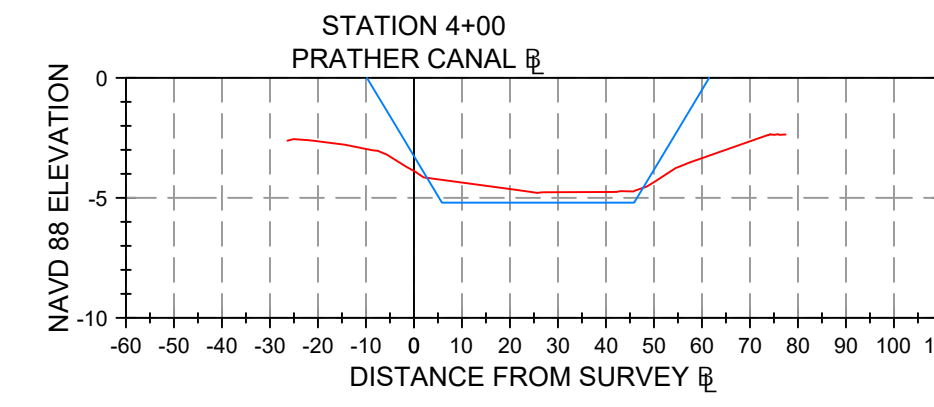
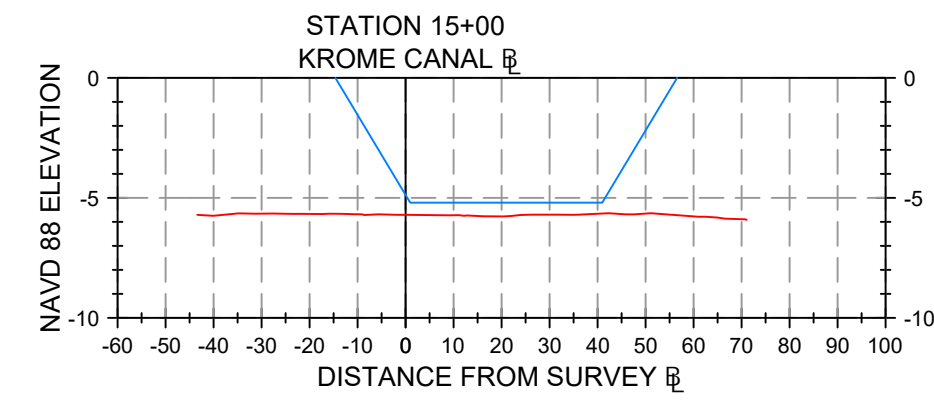
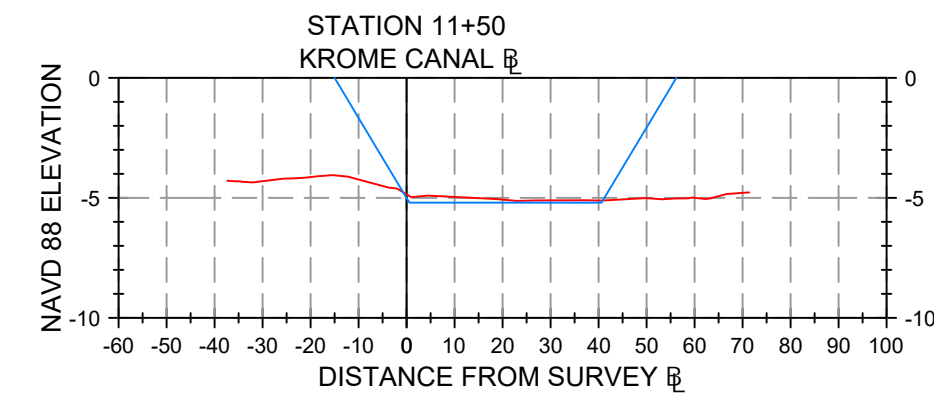
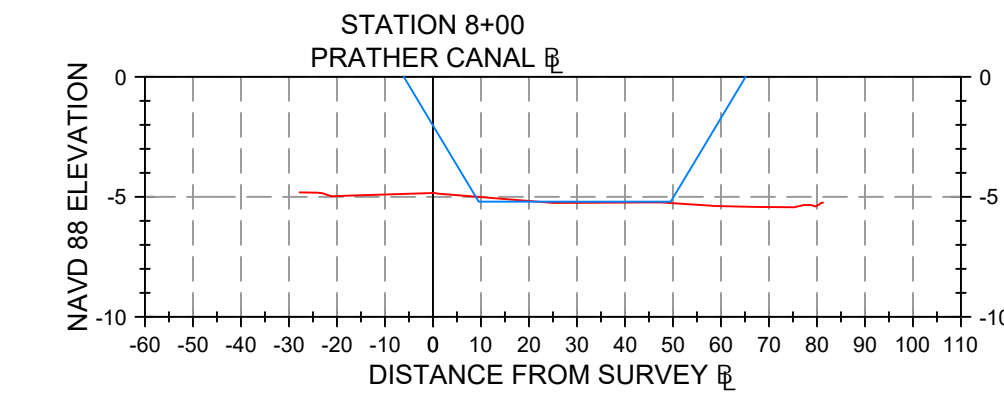
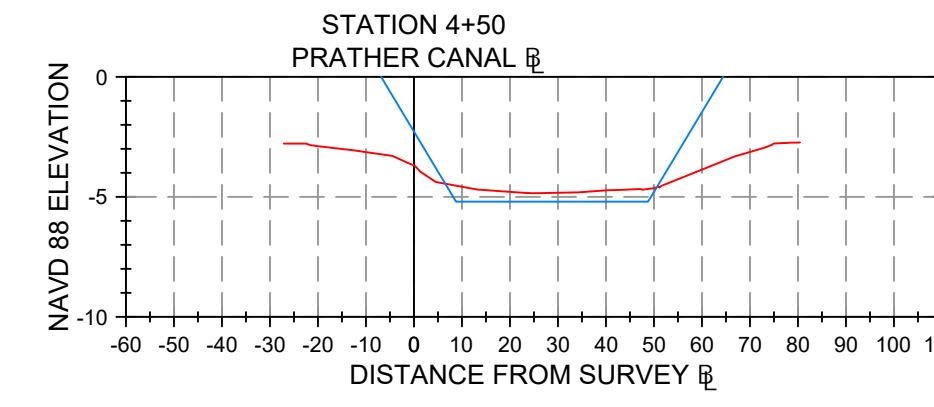
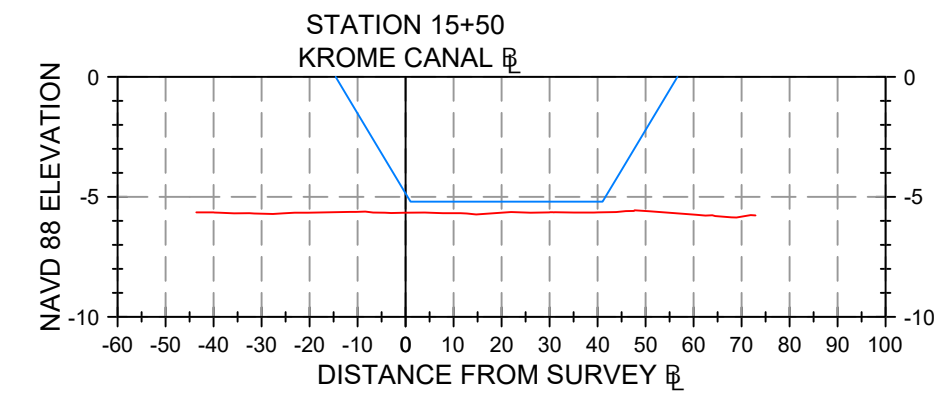
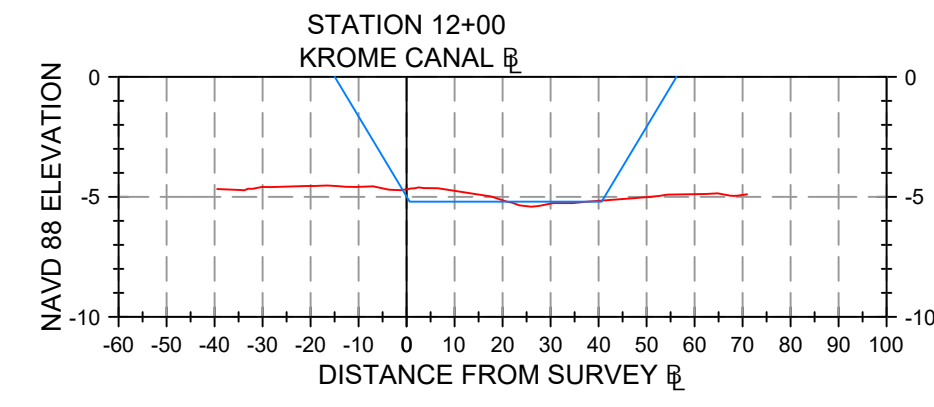
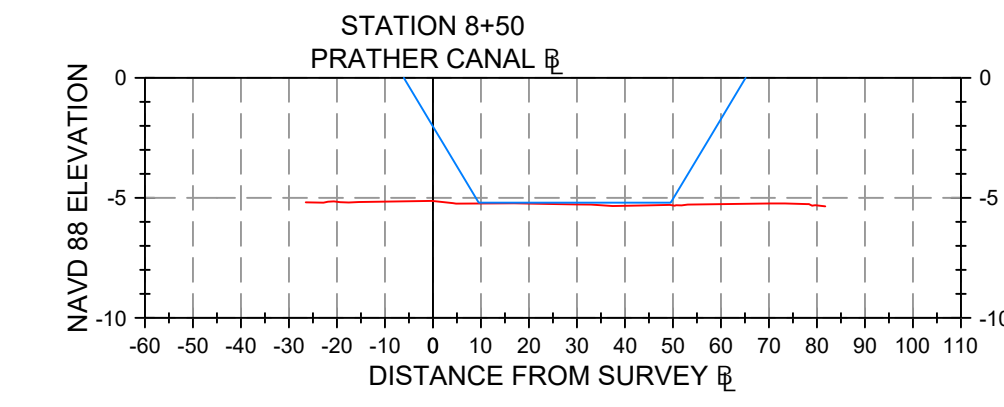
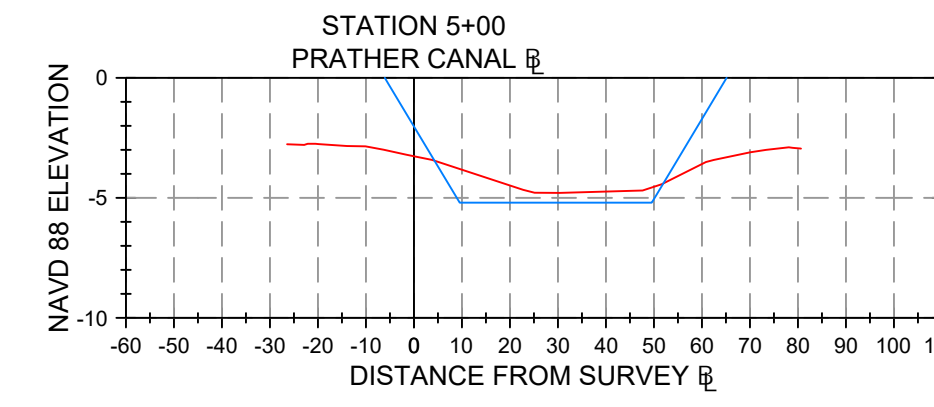
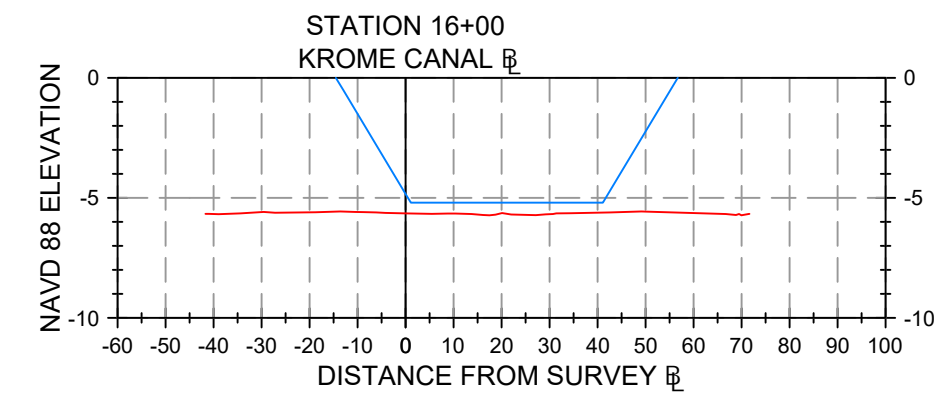
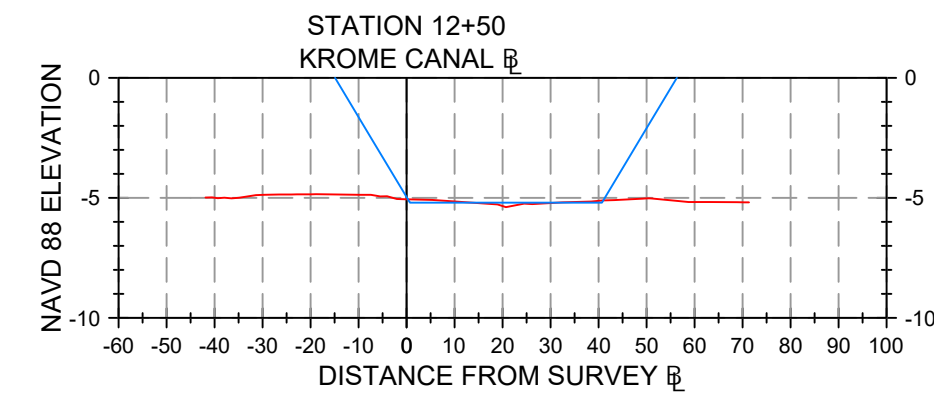
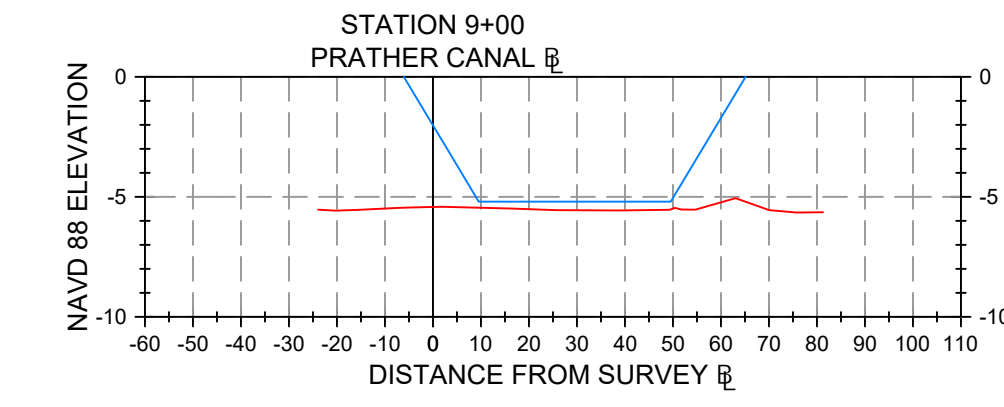
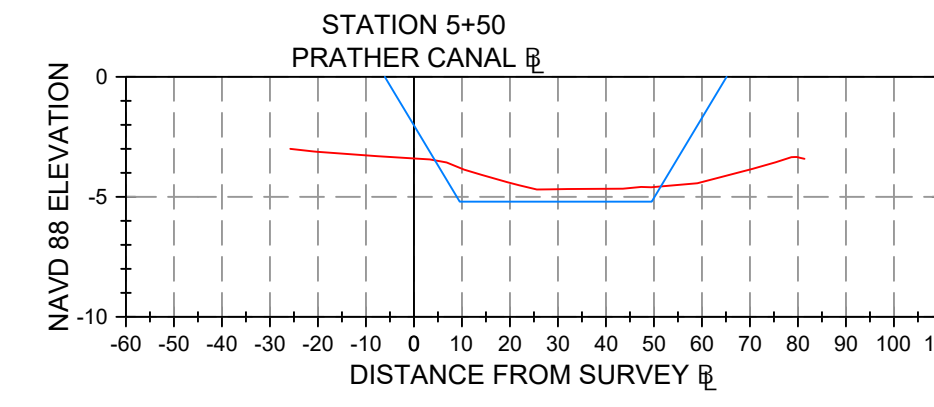
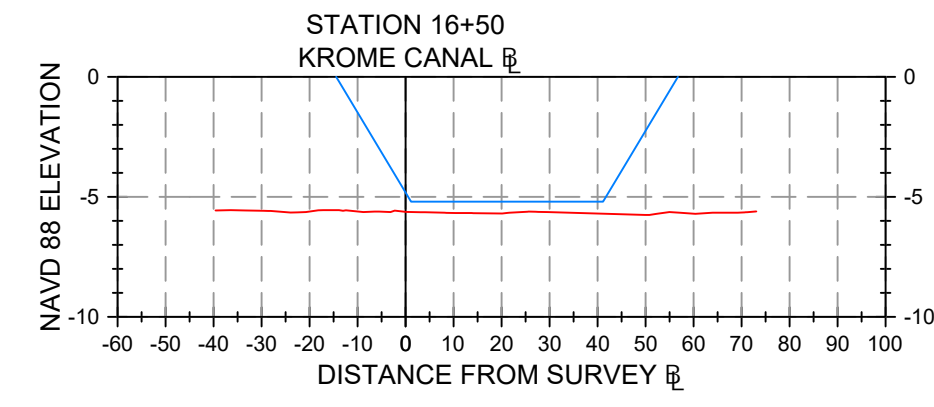
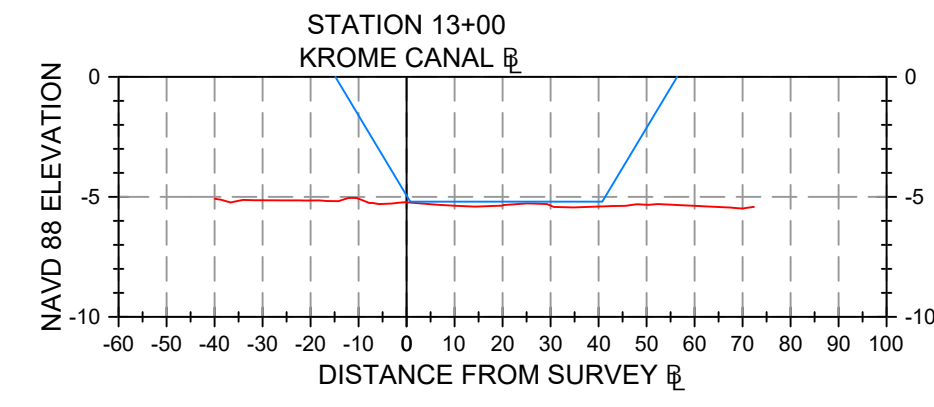
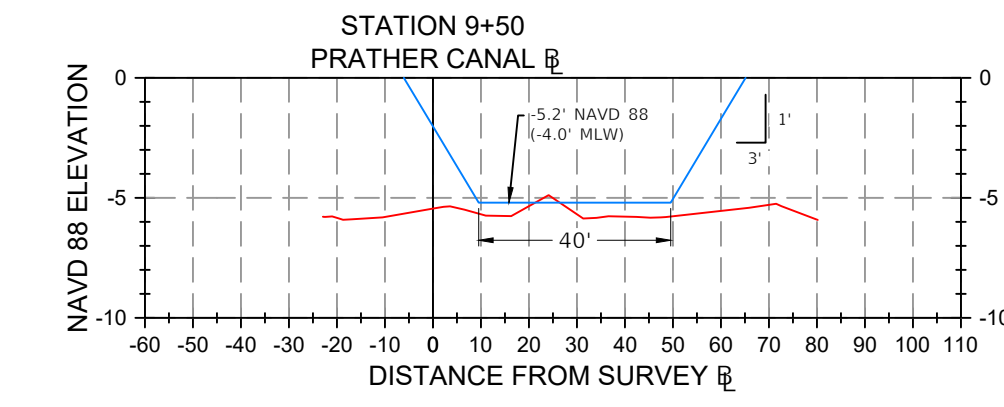
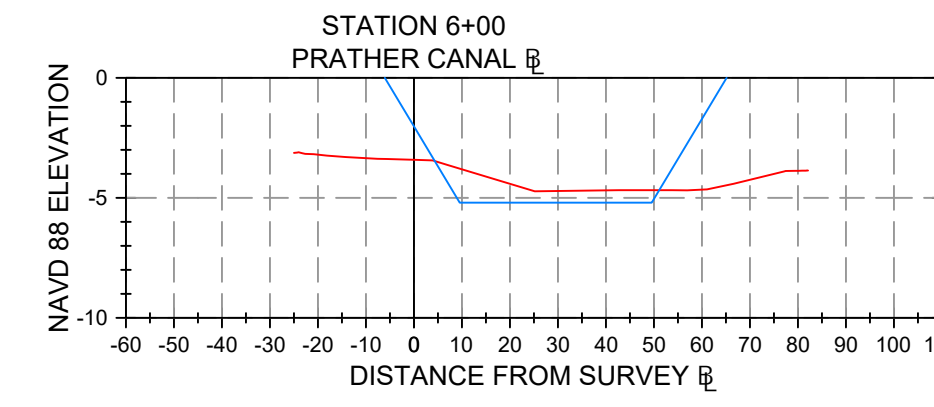
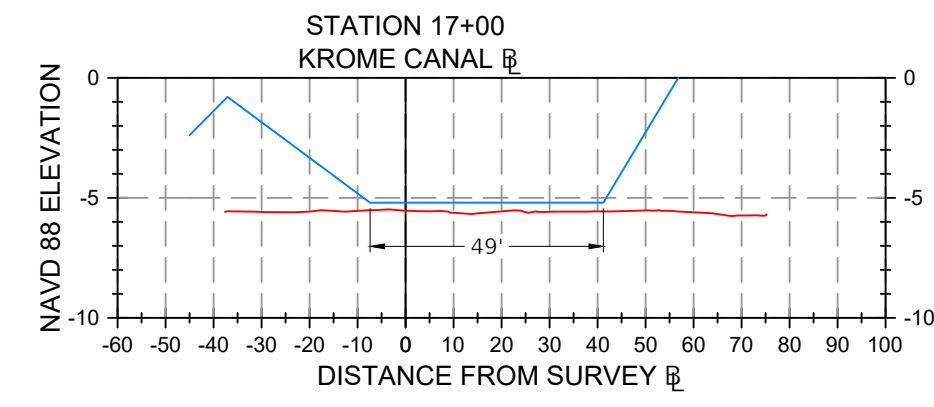
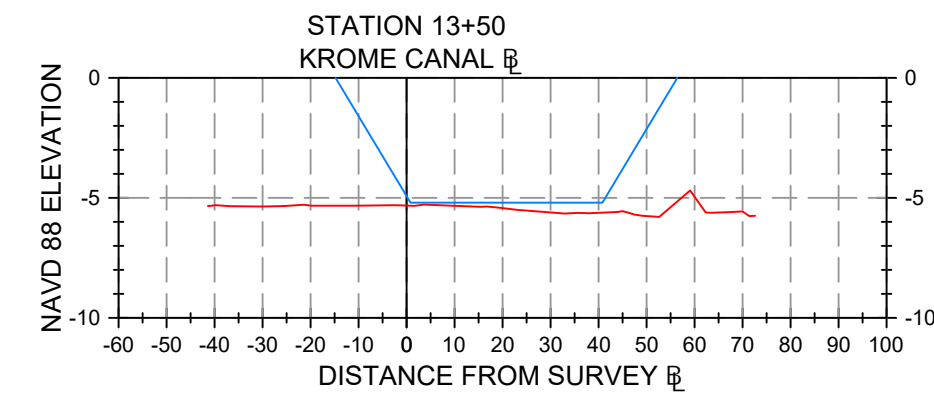
## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA

**SECTION SHEET LEGEND:**

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

**SCALE:**  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'



|   |                          |   |
|---|--------------------------|---|
| <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com   |                          | CERTIFICATE OF AUTHORIZATION No. 3114<br>DATE: 04/21/2025<br>DT: 05/09/2025 |
| CLIENT: CHARLOTTE COUNTY  | DRAWN: RH<br>CHECKED: DT | DATE: 05/09/2025  |
| PROJECT NAME: WOP 322 PRE-STORM BATHYMETRIC SURVEYS<br>PREPARED BY: AIM ENGINEERING & SURVEYING, INC.   |                          | FIELD BOOK: SEE NOTE 13   |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE APPROVED BY THE ORIGINAL SURVEYOR AND THE ORIGINAL SURVEYING FIRM. ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE APPROVED BY THE ORIGINAL SURVEYOR AND THE ORIGINAL SURVEYING FIRM. INC. IS PROHIBITED. |                          | SEE NOTE 13   |
| PROJECT NO.: 24-1940 PH307<br>COUNTY: CHARLOTTE<br>TOWNSHIP: S<br>RANGE: E  |                          | SHEET: 28<br>OF: 43   |
| HYDROGRAPHIC SURVEY<br>GULF COVE WATERWAYS  |                          | REVISIONS:  |
| DATE:   |                          | No. 1<br>2<br>3<br>4<br>5<br>6<br>7   |

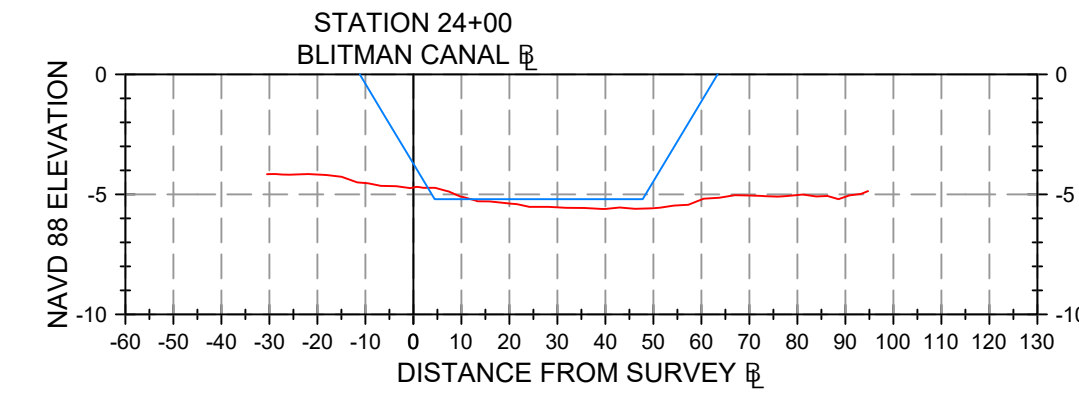
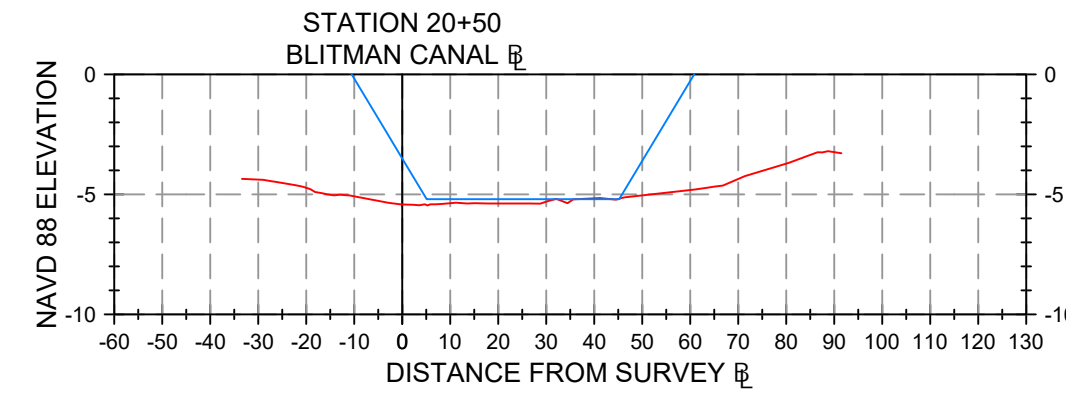
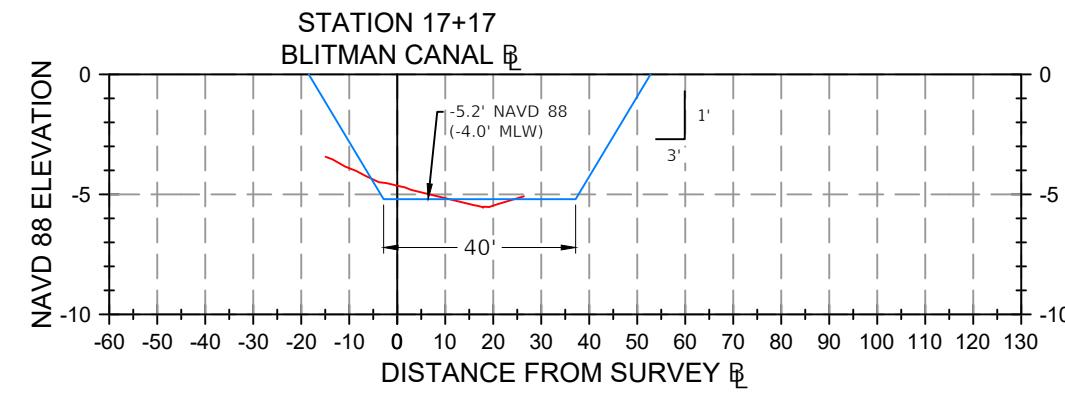
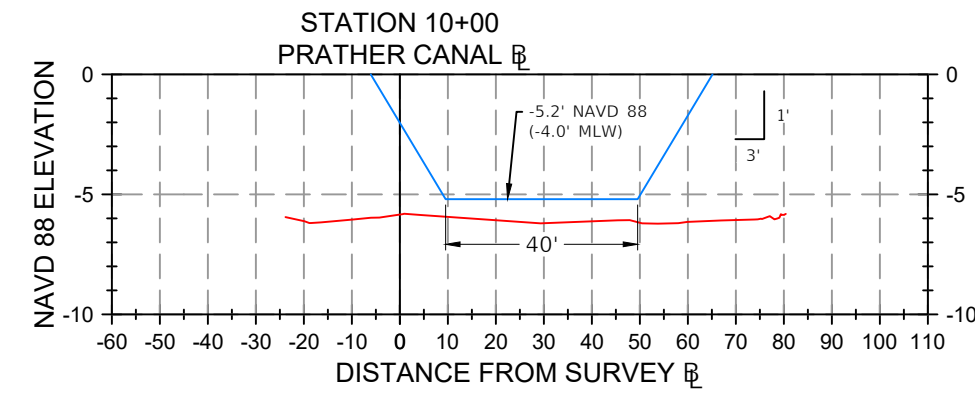
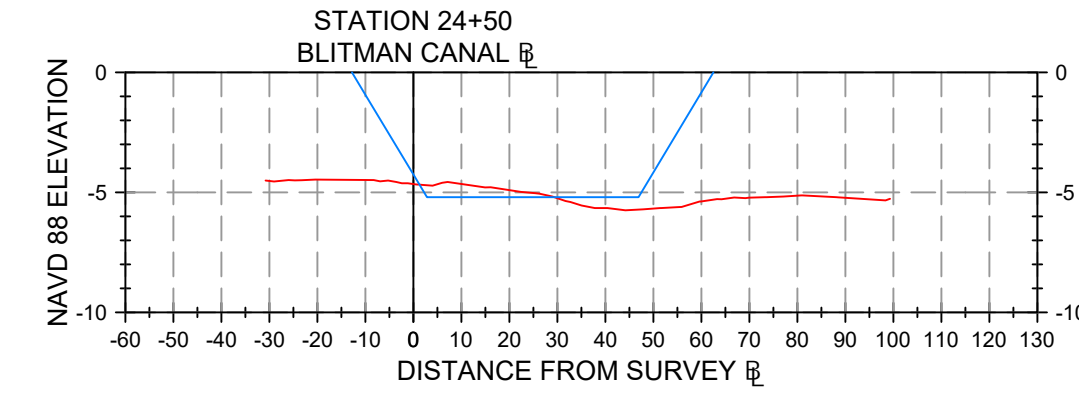
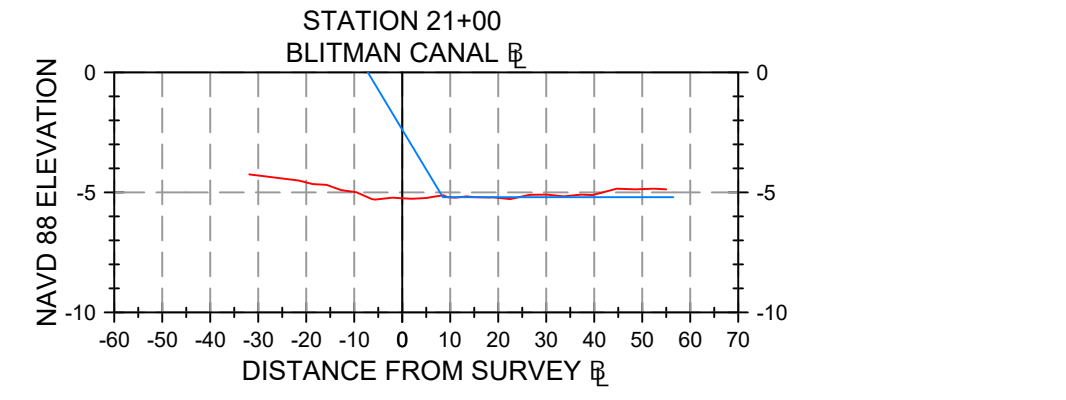
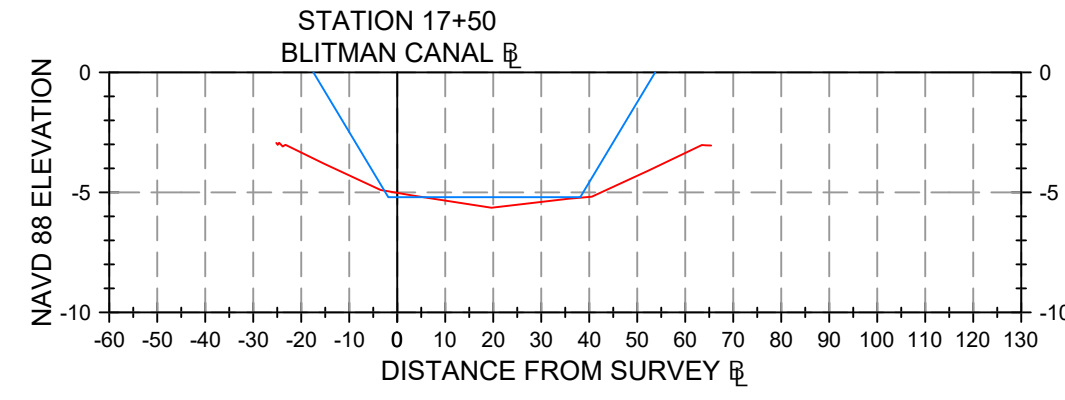
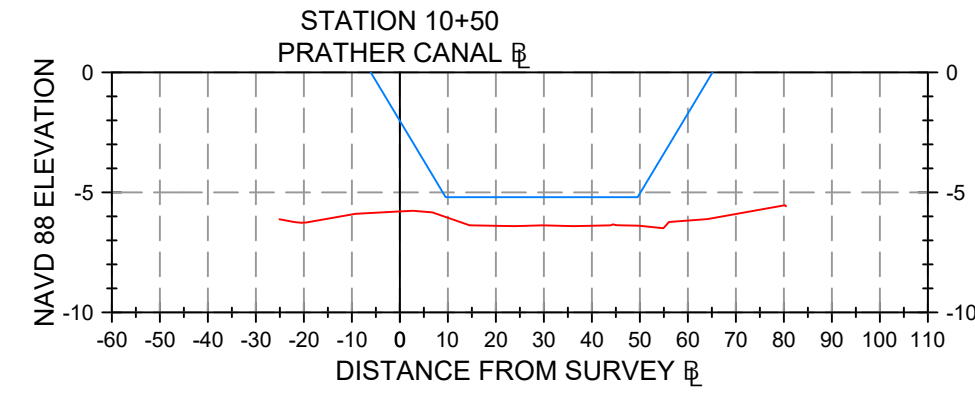
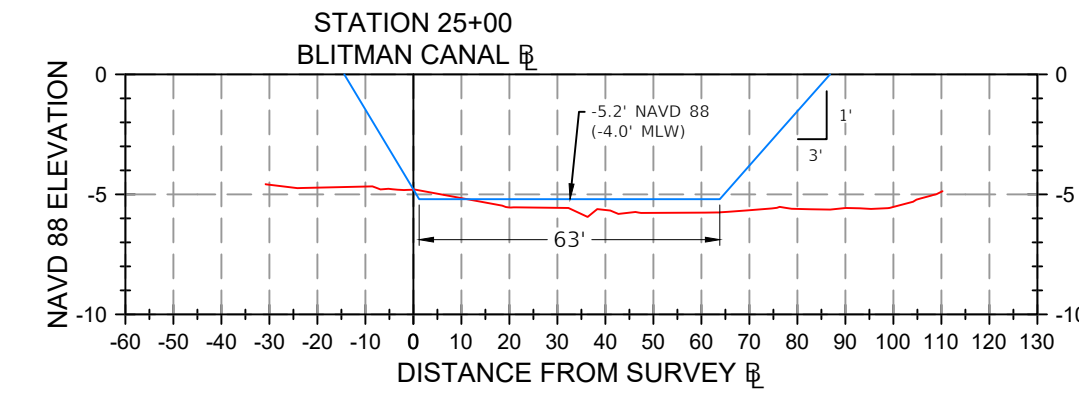
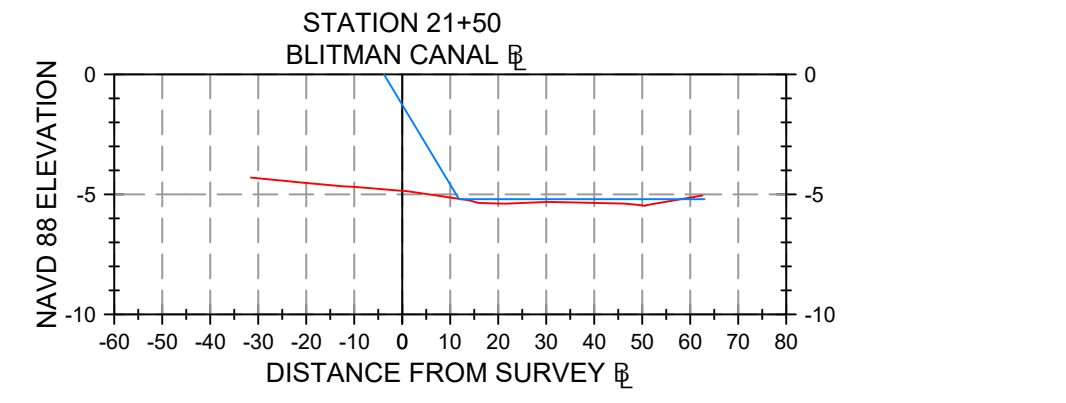
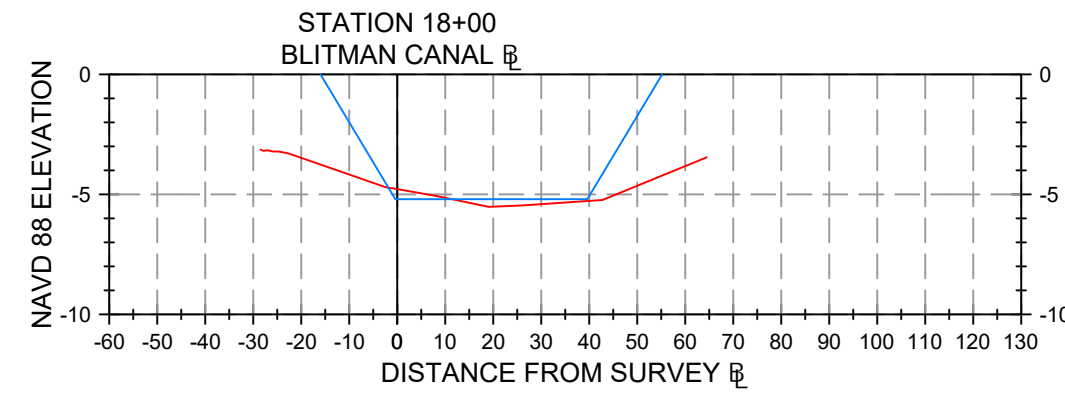
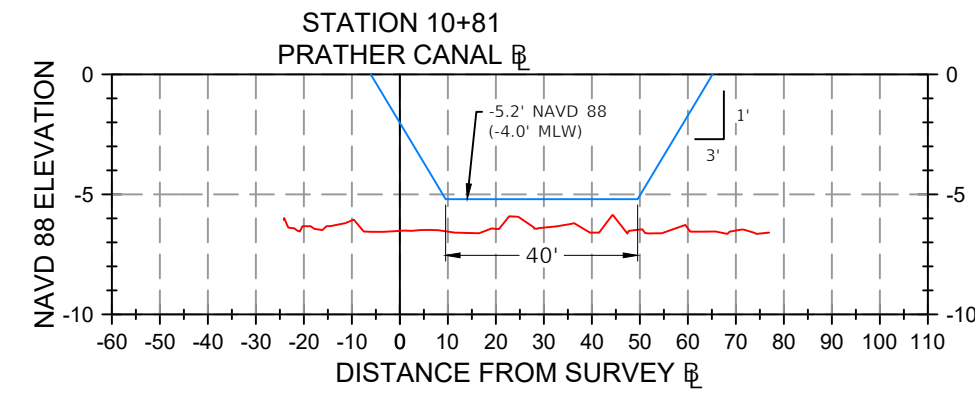
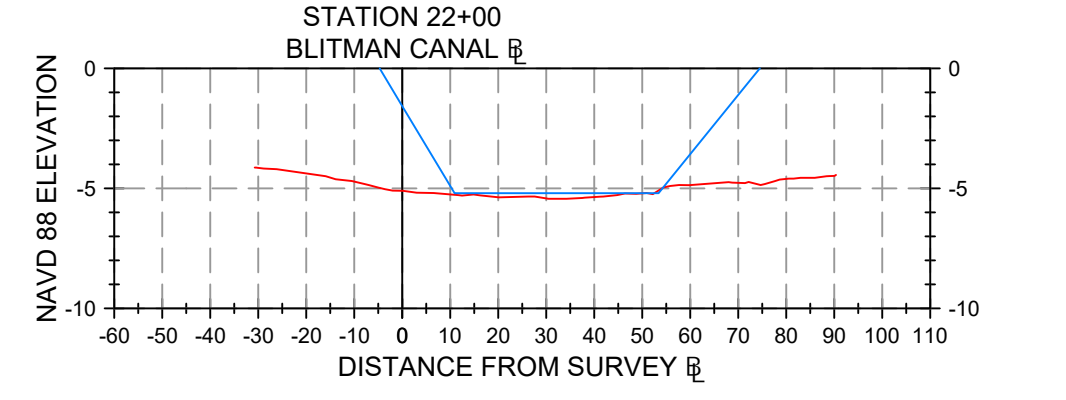
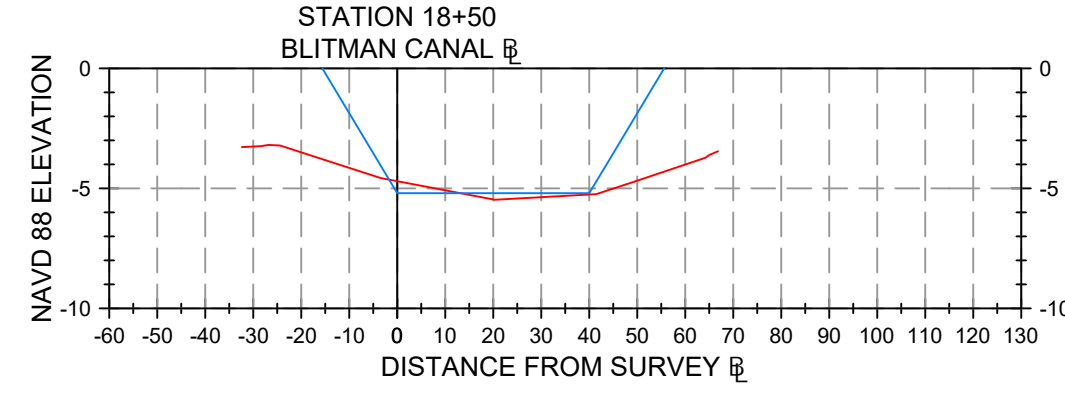
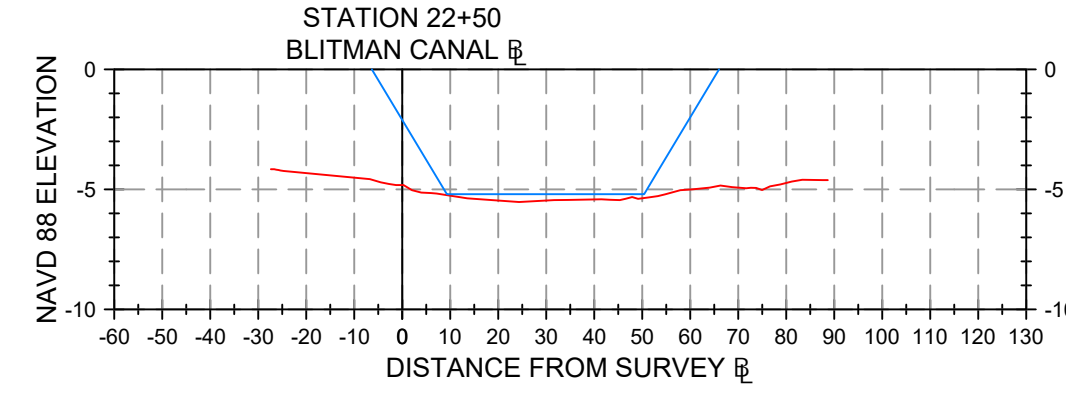
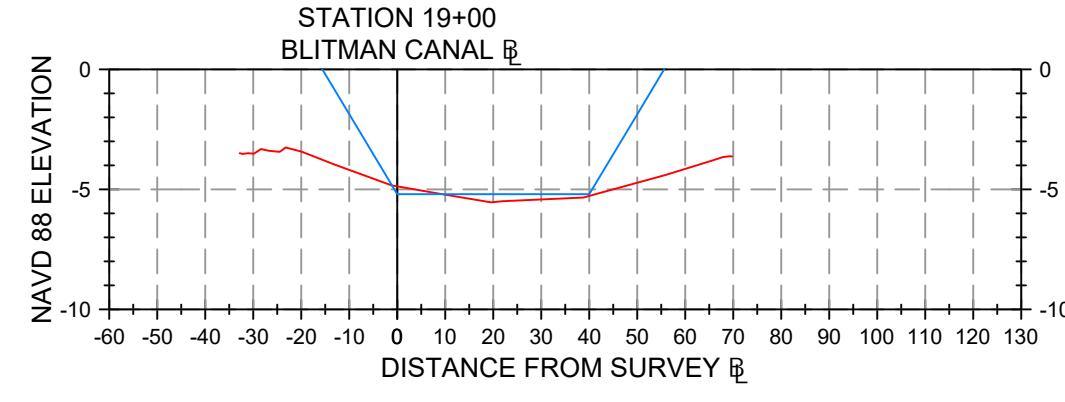
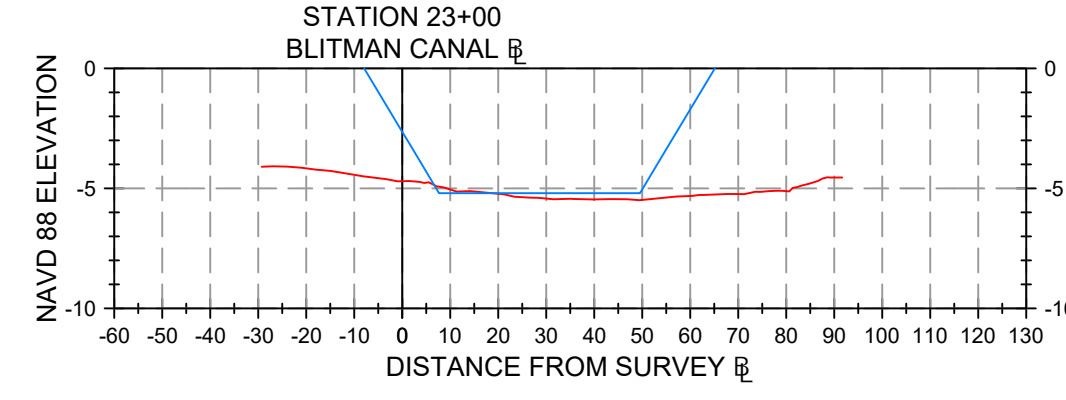
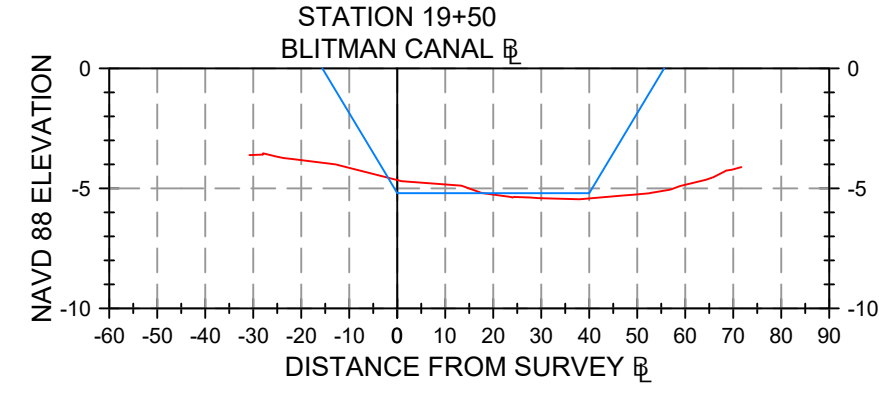
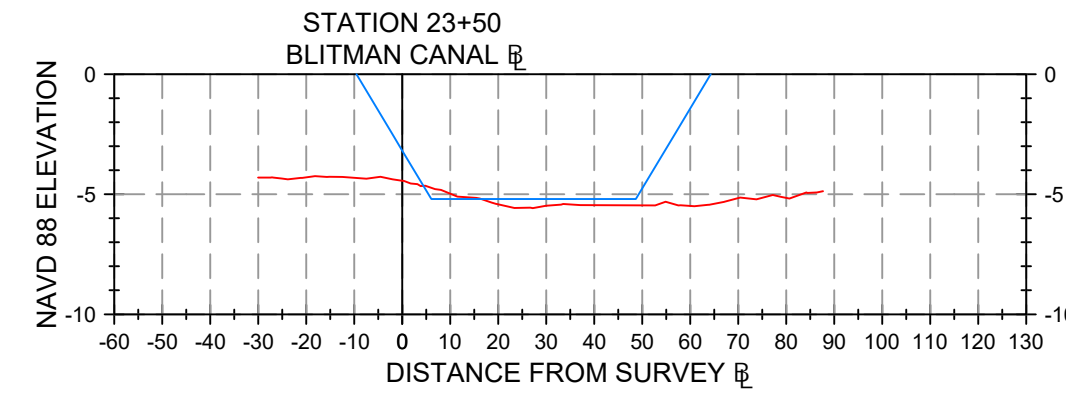
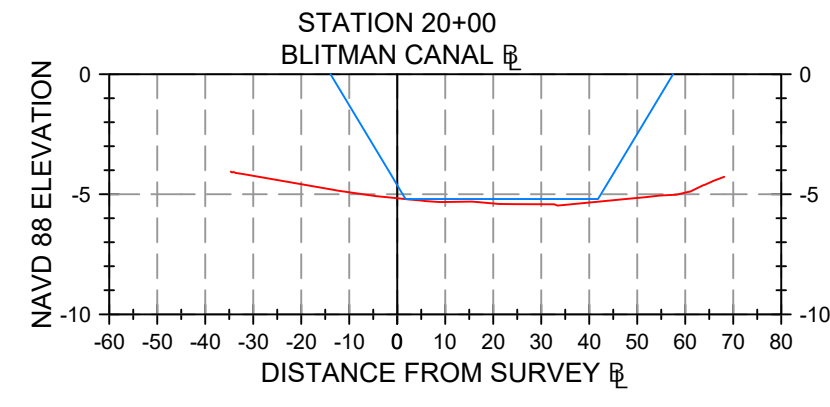
SECTION SHEET LEGEND:  
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 — = EXISTING BOTTOM SURFACE  
 — = DREDGE TEMPLATE  
 MLW = MEAN LOW WATER  
 NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



| NO. | DATE | BY | REVISIONS |
|-----|------|----|-----------|
| 1   |      |    |           |
| 2   |      |    |           |
| 3   |      |    |           |
| 4   |      |    |           |
| 5   |      |    |           |
| 6   |      |    |           |
| 7   |      |    |           |

ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE MADE IN THE ORIGINAL DRAWING(S). THIS DRAWING(S) IS THE PROPERTY OF AIM ENGINEERING & SURVEYING, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF AIM ENGINEERING & SURVEYING, INC. THIS DRAWING(S) 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.

PROJECT NAME: W0# 322 PRE-STORM BATHYMETRIC SURVEYS  
 PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  
 SEE SHEET 1  
 DARREN TOWNSEND  
 PROFESSOR OF SURVEYING  
 FLORIDA CERTIFICATE NO. 6676

AIM Engineering & Surveying, Inc.  
 CIVIL \* SANITARY \* TRANSPORTATION \* DEVELOPMENT \* PROJECT MANAGEMENT  
 3151 FOWLER STREET, SUITE 100  
 FORT MYERS, FLORIDA 33901  
 www.aimengr.com  
 TOLL FREE 888-326-4569  
 PHONE 239-332-4569  
 CERTIFICATE OF AUTHORIZATION No. 3114  
 DATE: 04/21/2025  
 DT: 05/09/2025  
 CHECKED: DT  
 DRAWN: RH  
 CLIENT: CHARLOTTE COUNTY

HYDROGRAPHIC SURVEY  
 GULF COVE WATERWAYS  
 PROJECT NO.: 24-1940\_PHS07  
 COUNTY: CHARLOTTE  
 SHEET: 29  
 OF: 43  
 TOWNSHIP: S  
 RANGE: E

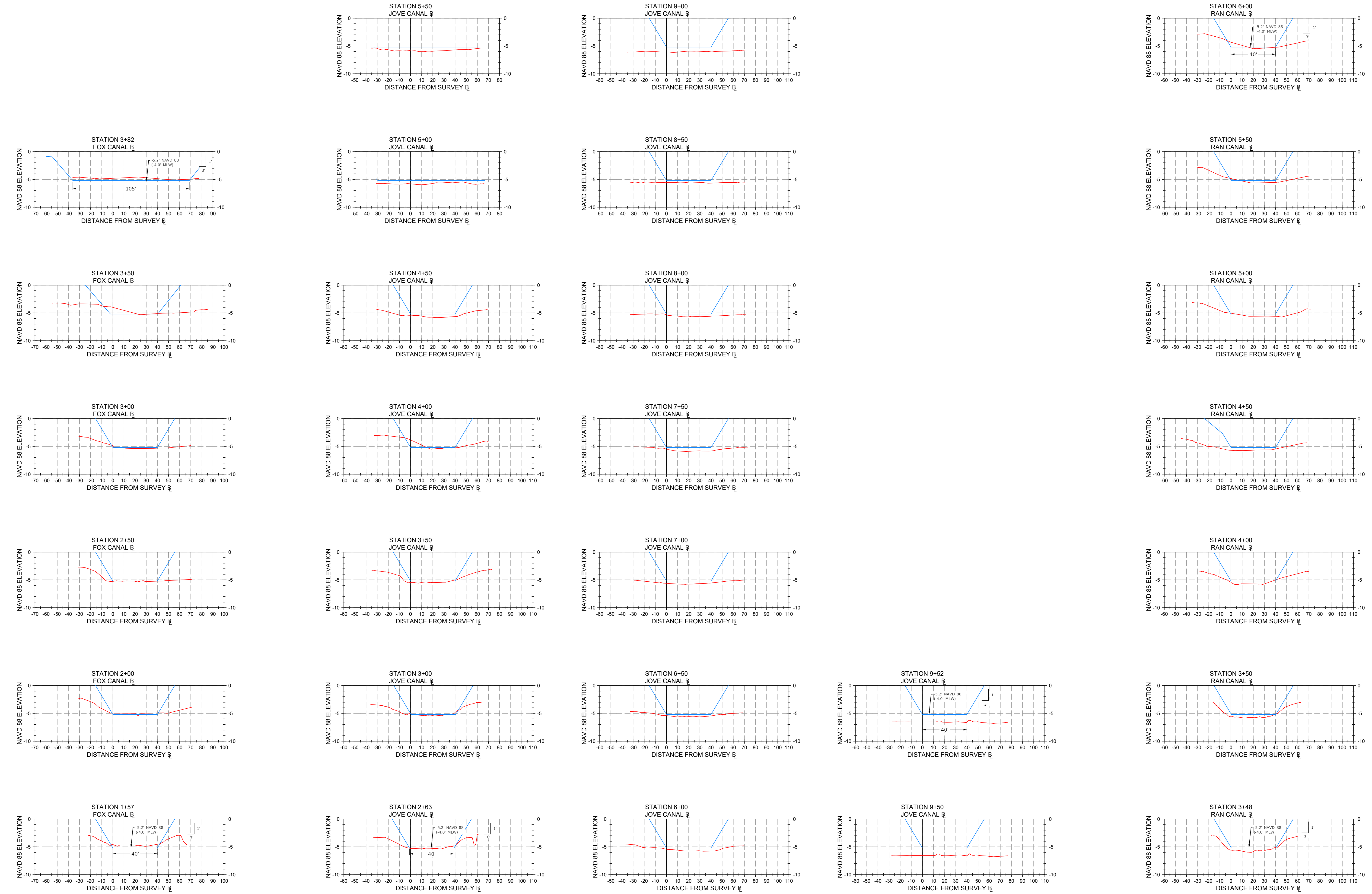
SECTION SHEET LEGEND:  
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# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|  |  |  |  |
|--|--|--|--|
| PROJECT NAME<br>W08 322 PRE-STORM BATHYMETRIC SURVEYS  |  | PREPARED BY: AIM ENGINEERING & SURVEYING, INC.<br>SEE SHEET 1    |  |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE APPROVED BY THE ORIGINAL SURVEYING, ENGINEERING & SURVEYING, INC. IS PROHIBITED.     |  | FIELD BOOK: SEE NOTE 13  |  |
| PROJECT NO.<br>24-1940   |  | COUNTY<br>CHARLOTTE  |  |
| SECTION<br>S   |  | RANGE<br>E   |  |
| SHEET<br>30  |  | OF<br>43   |  |
| CLIENT<br>CHARLOTTE COUNTY   |  | DATE<br>04/21/2025   |  |
| CHECKED<br>RH  |  | DT<br>05/09/2025   |  |
| DRAWN<br>RH  |  | DATE<br>04/21/2025   |  |
| CERTIFICATE OF AUTHORIZATION No. 3114  |  | DATE<br>05/09/2025   |  |
| CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT WHEELS, FLORIDA 32901<br>www.aimengr.com |  | TOLL FREE 800-326-4569<br>PHONE 239-332-4569<br>FAX 239-332-4569 |  |
| AIM Engineering & Surveying, Inc.  |  | PROJECT NO.<br>24-1940   |  |
| FILE NAME<br>24-1940_PHS07   |  | TOWNSHIP<br>S  |  |
| PROJECT NO.<br>24-1940   |  | COUNTY<br>CHARLOTTE  |  |
| SECTION<br>S   |  | RANGE<br>E   |  |
| SHEET<br>30  |  | OF<br>43   |  |

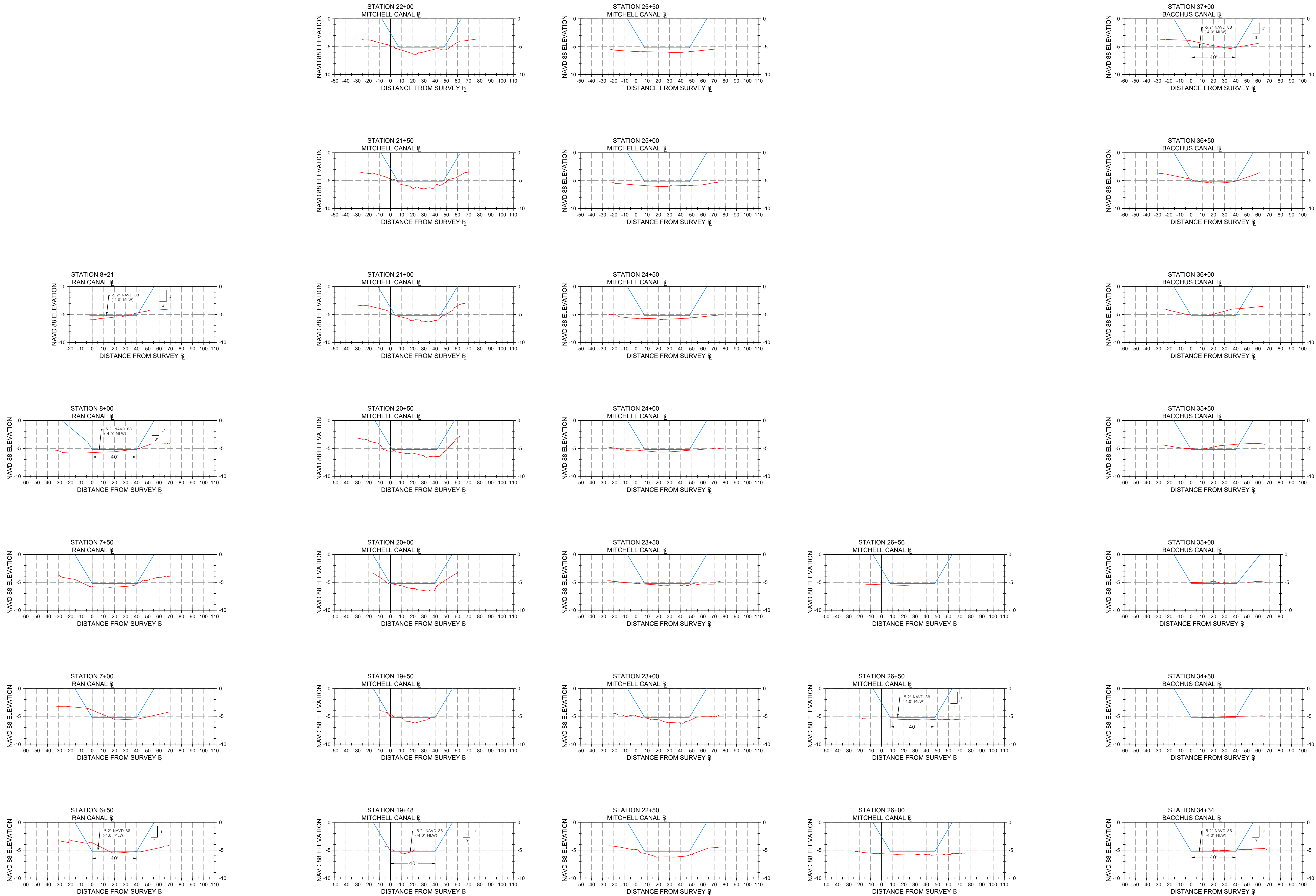
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# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|  |  |               |  |            |  |
|--|--|---------------|--|------------|--|
| HYDROGRAPHIC SURVEY                            |  | FILE NAME     |  | DATE       |  |
| GULF COVE WATERWAYS                            |  | 24-1940_PHS07 |  | 04/21/2025 |  |
| PROJECT NO.                                    |  | SECTION       |  | RANGE      |  |
| 24-1940  |  | CHARLOTTE     |  | S E        |  |
| COUNTY   |  | SHEET         |  | DATE       |  |
| CHARLOTTE                                      |  | 31            |  | 05/09/2025 |  |
| PROJECT NAME                                   |  | PROJECT NO.   |  | DATE       |  |
| WOP 322 PRE-STORM BATHYMETRIC SURVEYS          |  | 1             |  | 05/09/2025 |  |
| PREPARED BY: AIM ENGINEERING & SURVEYING, INC. |  | 2             |  | 05/09/2025 |  |
| SEE SHEET 1                                    |  | 3             |  | 05/09/2025 |  |
| DARRIN TOWSEND                                 |  | 4             |  | 05/09/2025 |  |
| PROFESSOR                                      |  | 5             |  | 05/09/2025 |  |
| FLORIDA CERTIFICATE NO. 6676                   |  | 6             |  | 05/09/2025 |  |
| DATE OF EXPIRATION: 05/09/2028                 |  | 7             |  | 05/09/2025 |  |
| CLIENT   |  | DRAWN         |  | CHECKED    |  |
| CHARLOTTE COUNTY                               |  | RH            |  | DT         |  |
| CERTIFICATE OF AUTHORIZATION No. 3114          |  | DATE          |  | DT         |  |
| TOLL FREE 800-376-4569                         |  | 04/21/2025    |  | 05/09/2025 |  |
| PHONE 239-332-4569                             |  | DATE          |  | DT         |  |
| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
| www.aimengr.com                                |  | DATE          |  | DT         |  |
| AIM ENGINEERING & SURVEYING, INC.              |  | 04/21/2025    |  | 05/09/2025 |  |
| 3151 FOWLER STREET, SUITE 100                  |  | 04/21/2025    |  | 05/09/2025 |  |
| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
| www.aimengr.com                                |  | 04/21/2025    |  | 05/09/2025 |  |
| AIM ENGINEERING & SURVEYING, INC.              |  | 04/21/2025    |  | 05/09/2025 |  |
| 3151 FOWLER STREET, SUITE 100                  |  | 04/21/2025    |  | 05/09/2025 |  |
| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
| www.aimengr.com                                |  | 04/21/2025    |  | 05/09/2025 |  |
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| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
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| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
| www.aimengr.com                                |  | 04/21/2025    |  | 05/09/2025 |  |
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| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
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| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
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| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
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| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
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| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
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| FORT MYERS, FLORIDA 33901                      |  | 04/21/2025    |  | 05/09/2025 |  |
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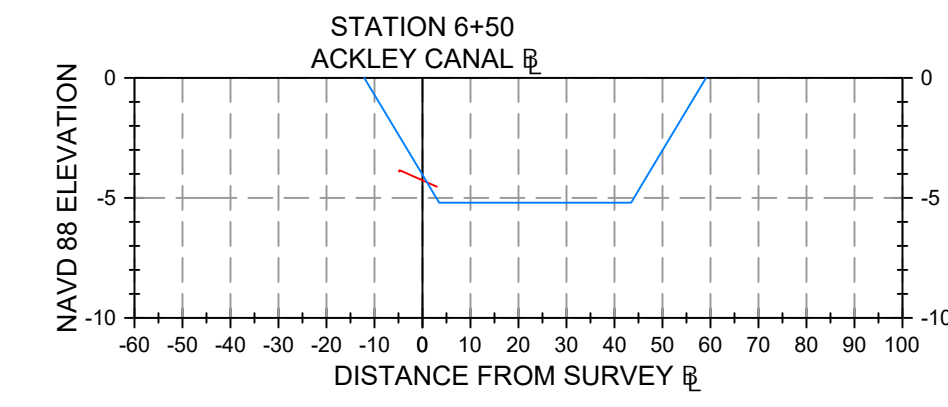
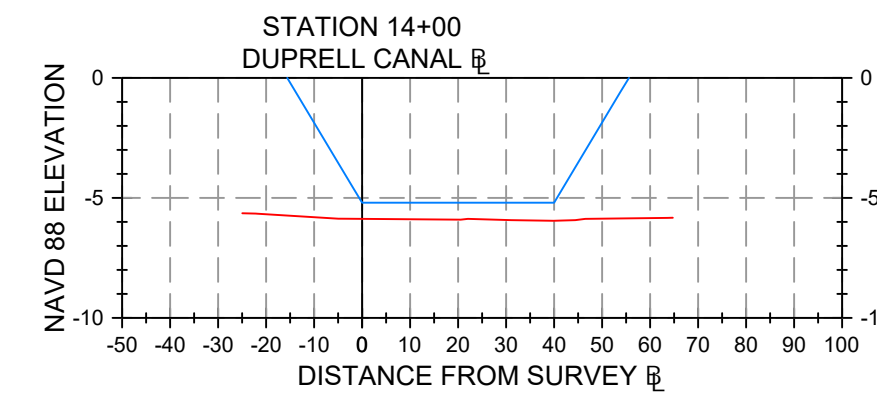
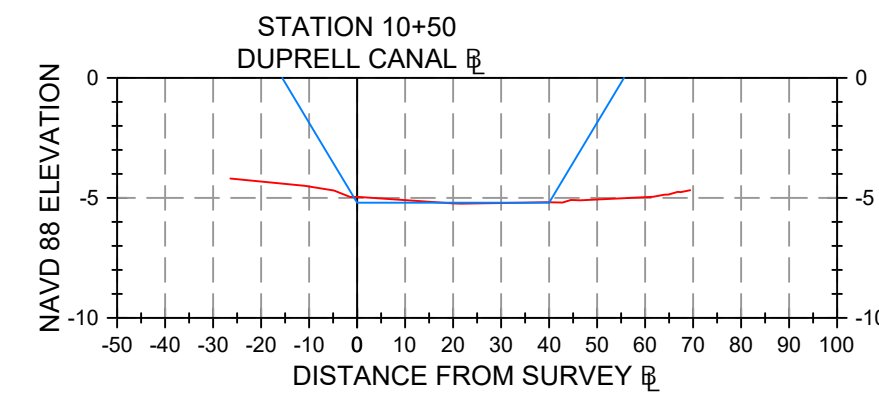
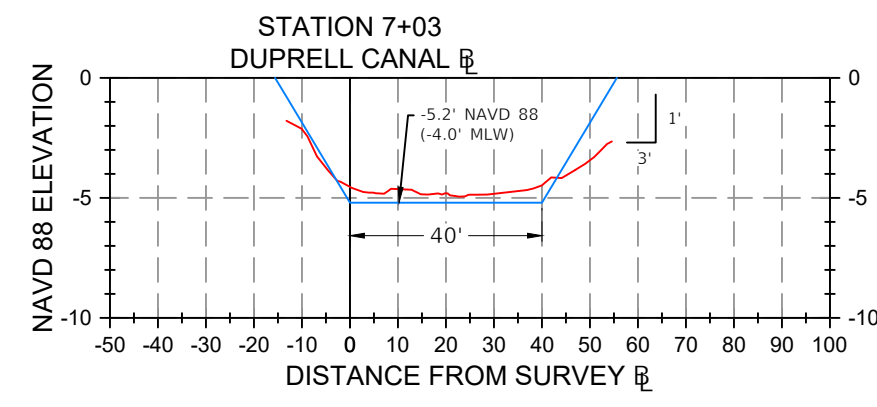
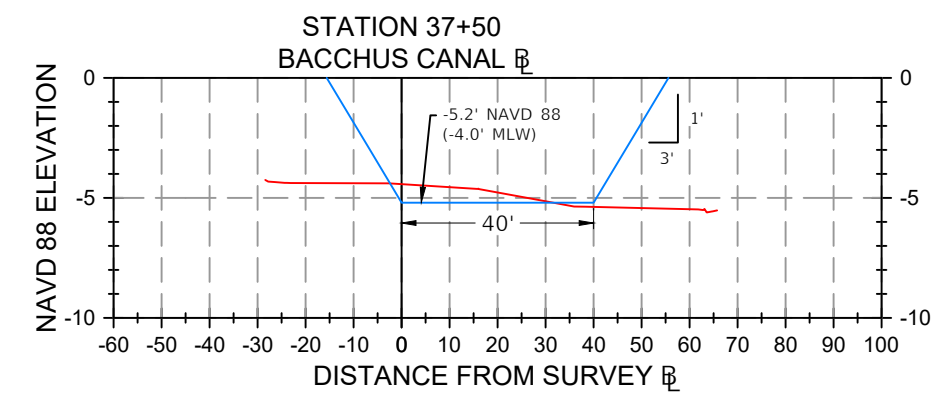
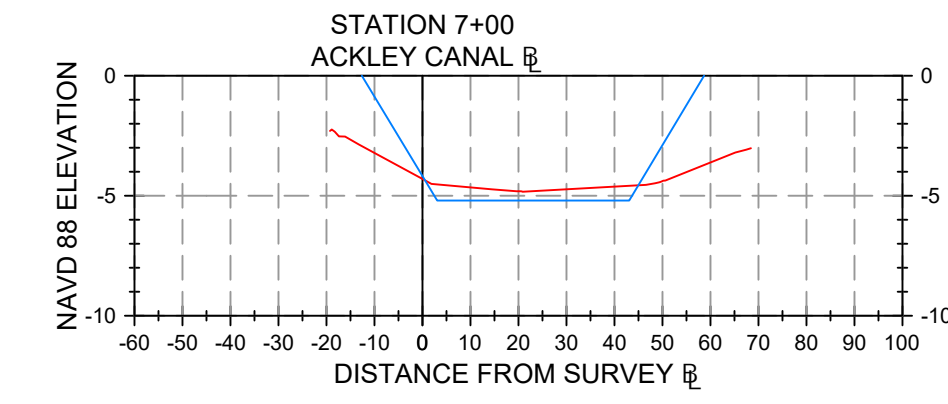
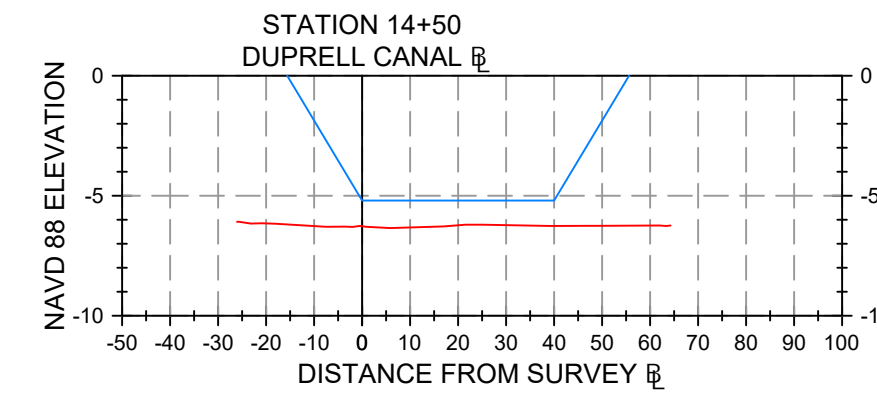
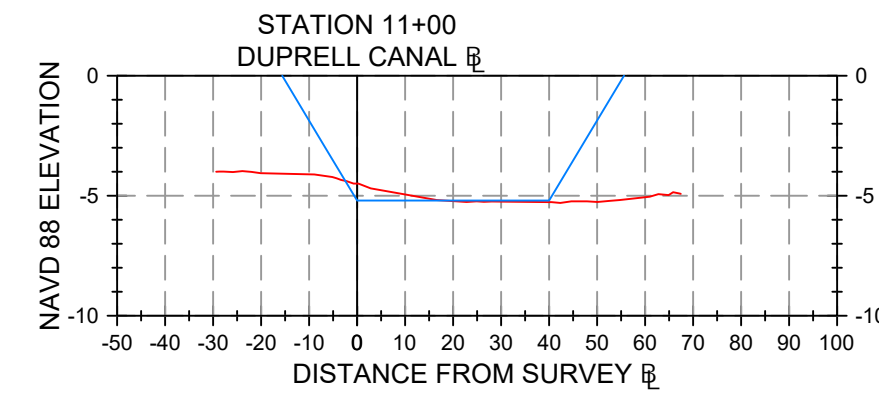
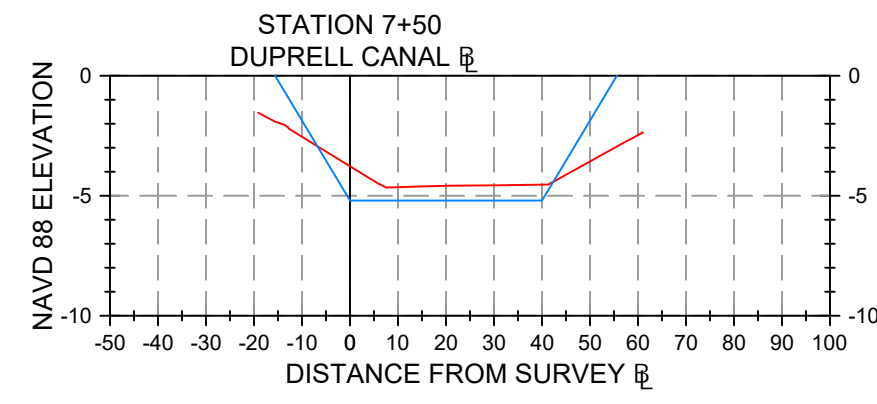
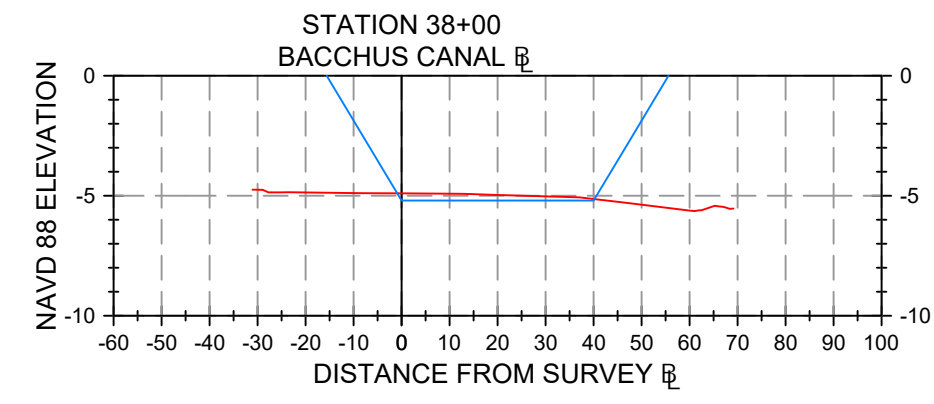
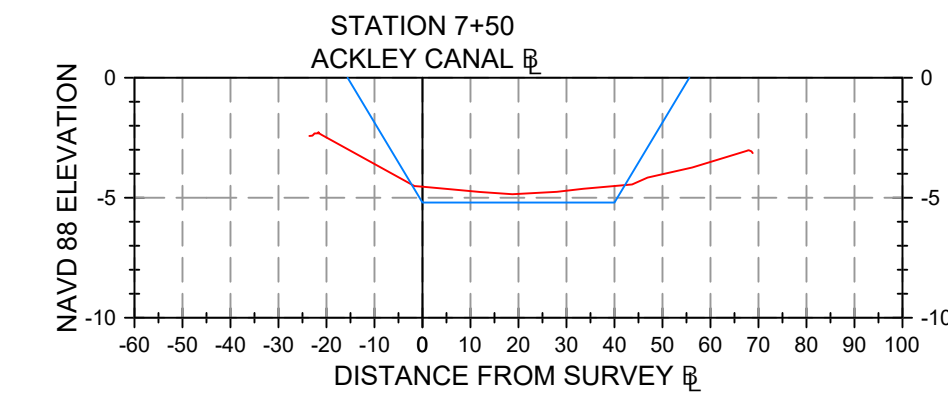
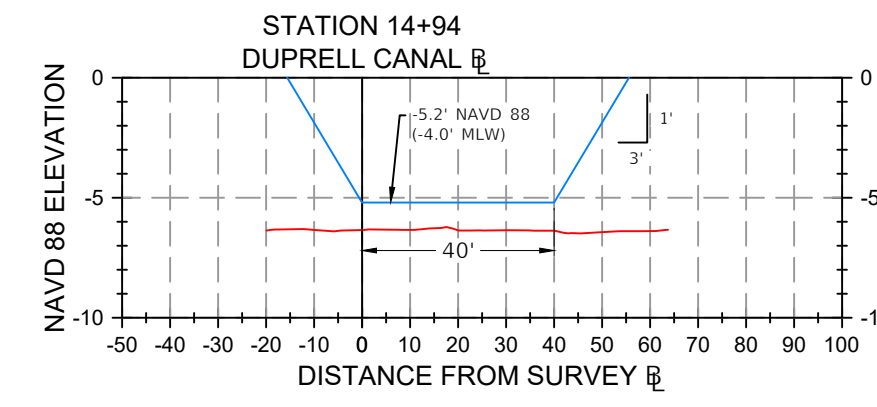
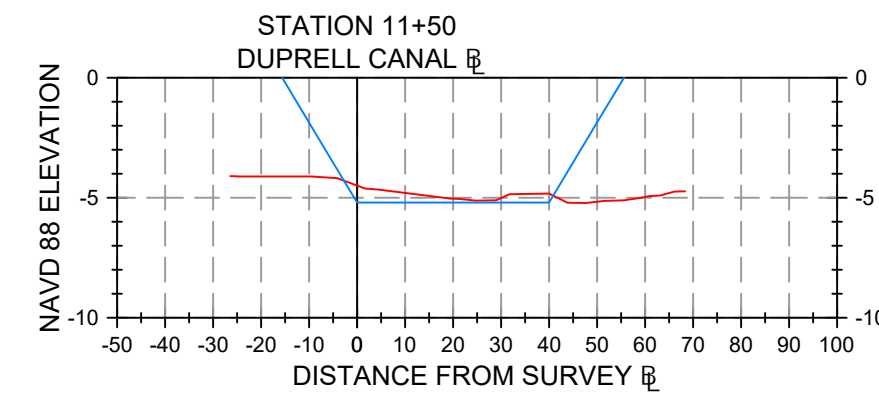
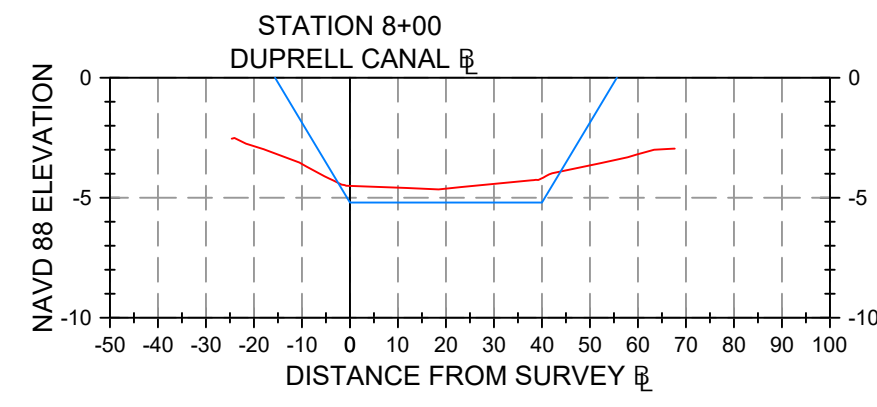
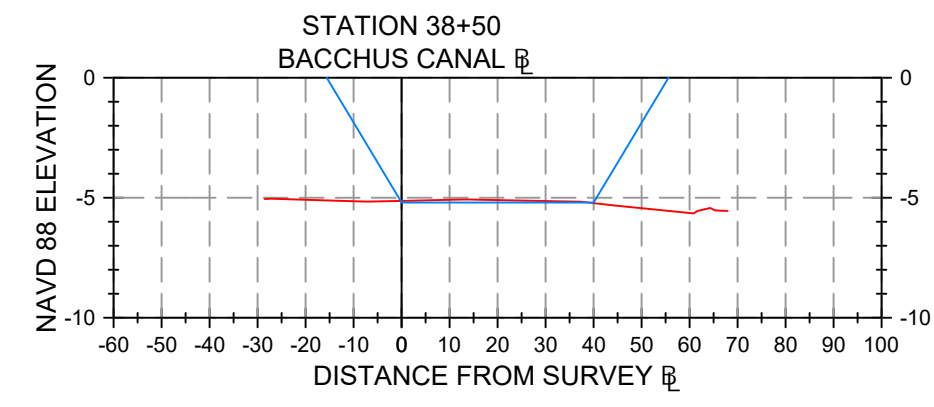
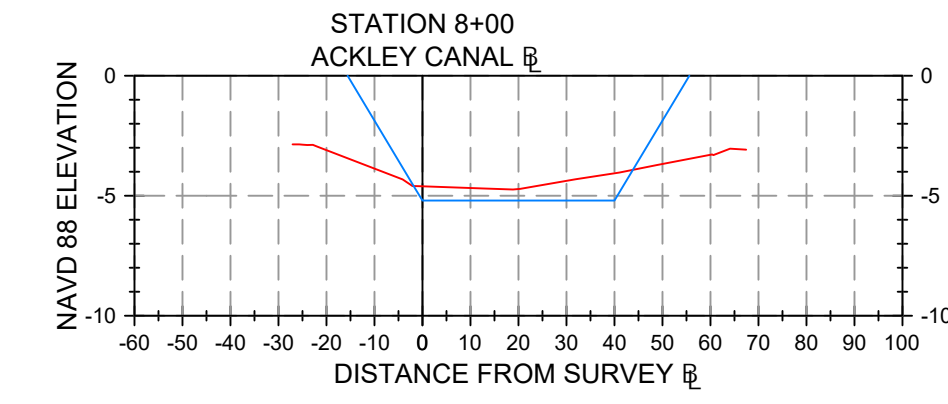
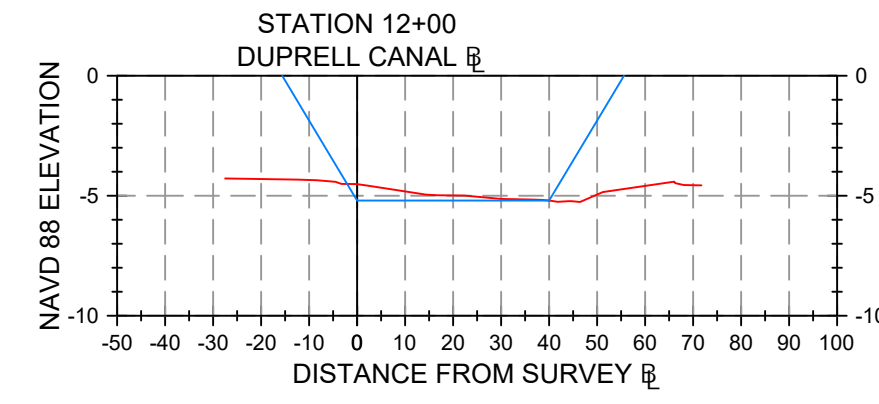
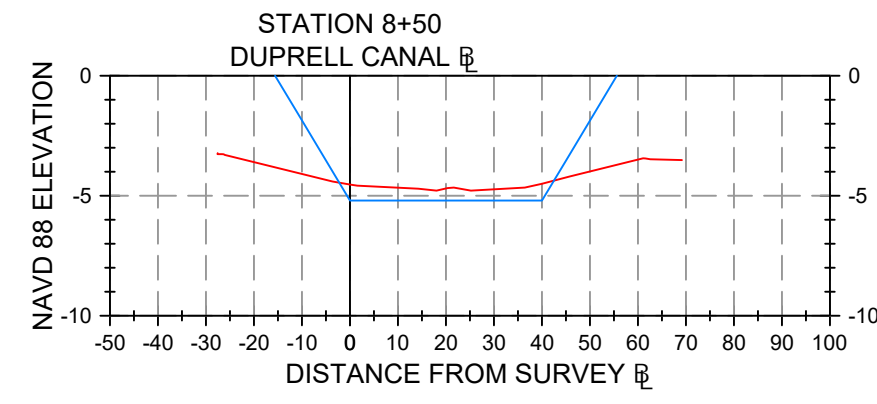
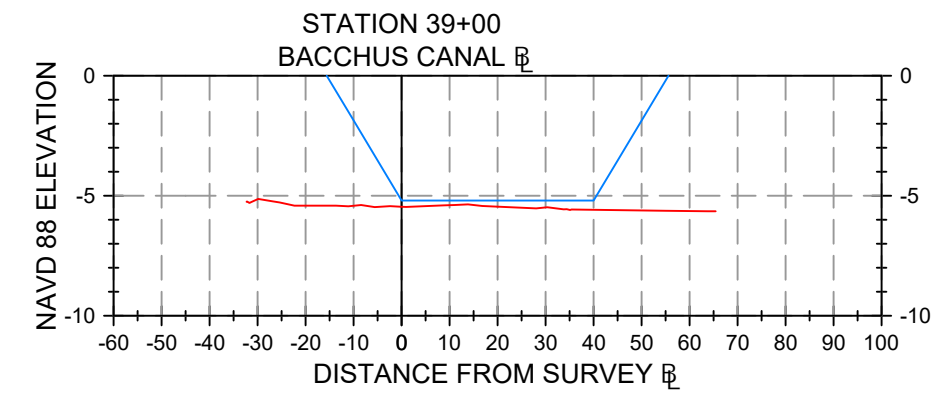
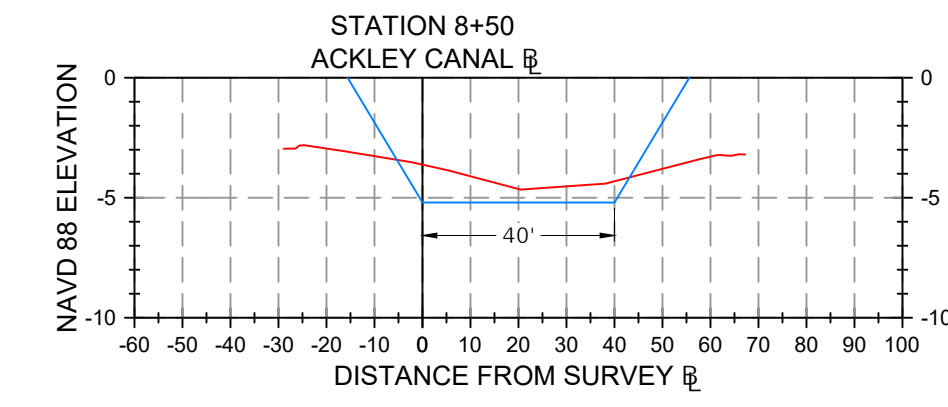
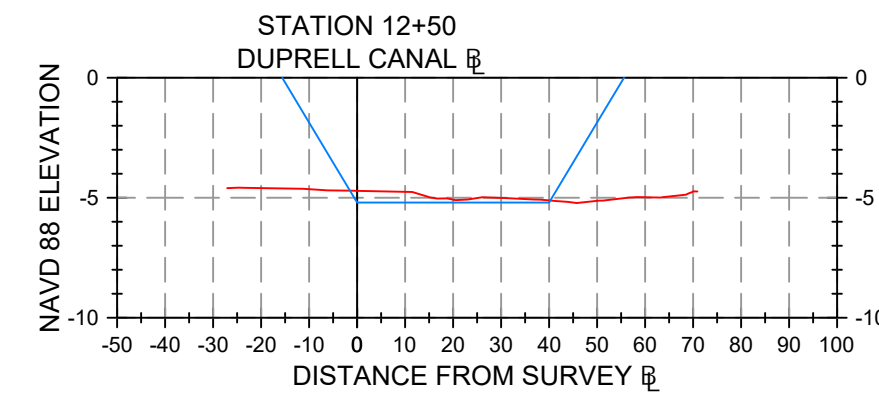
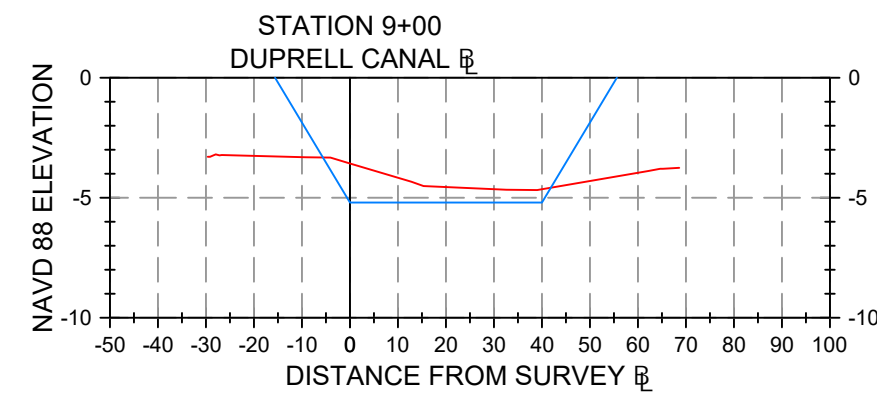
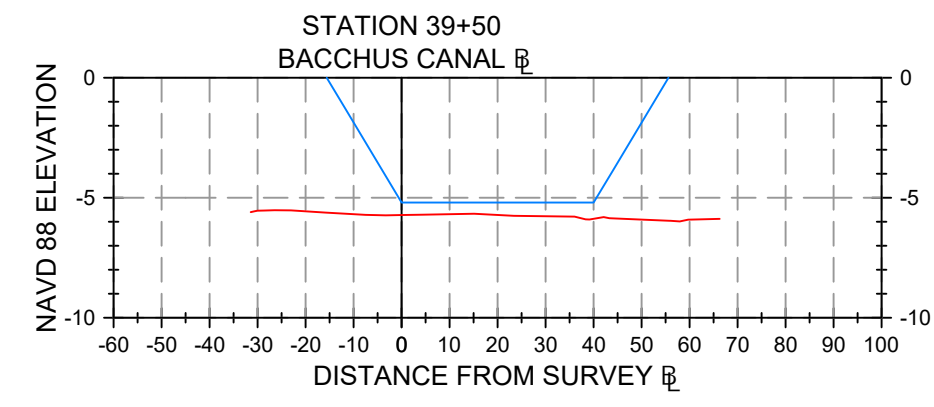
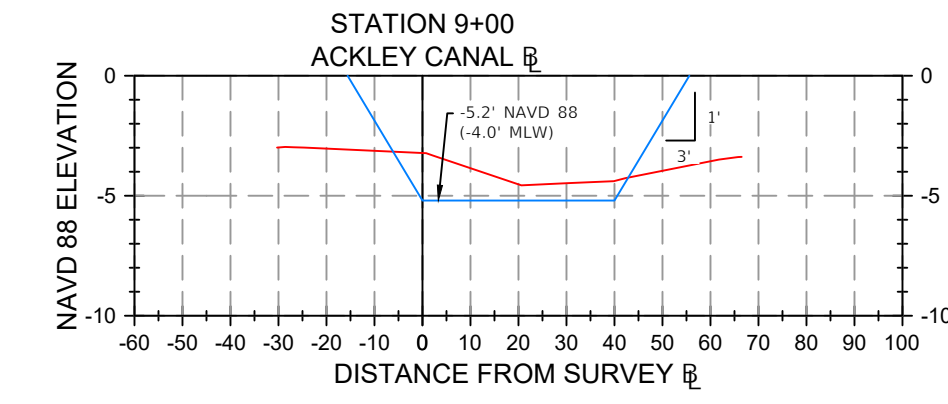
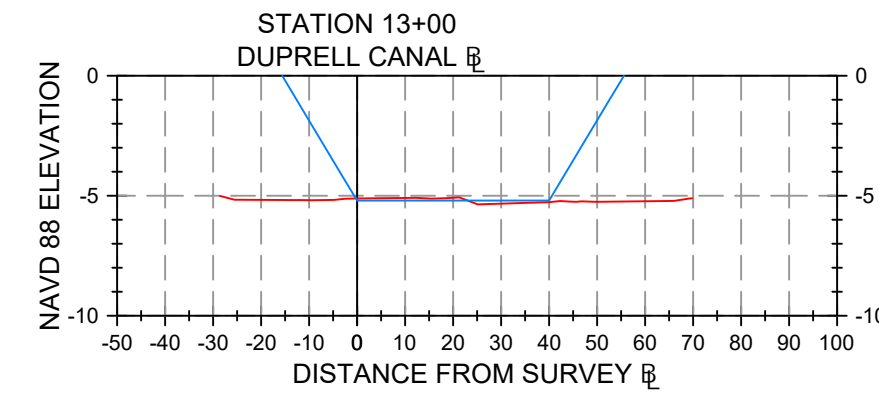
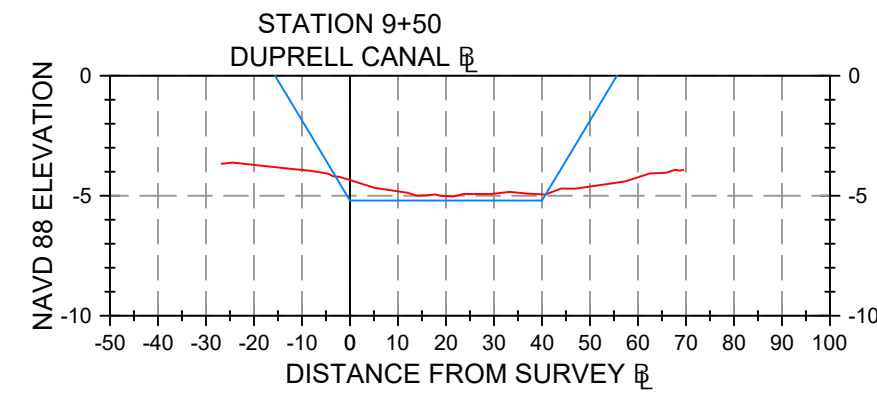
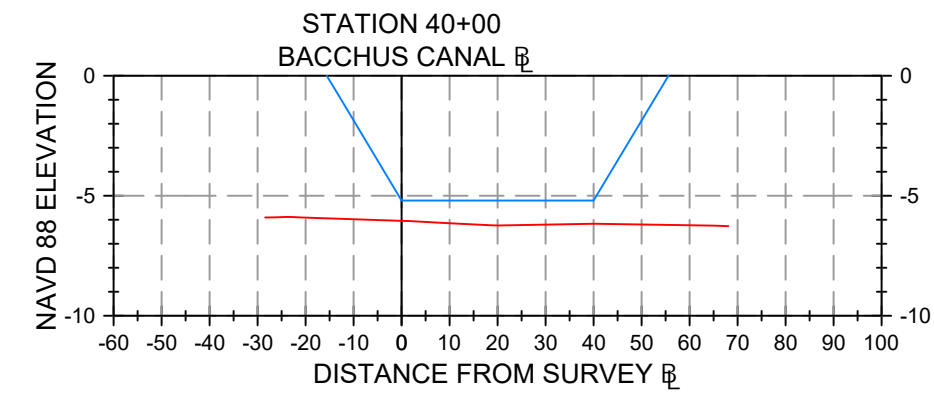
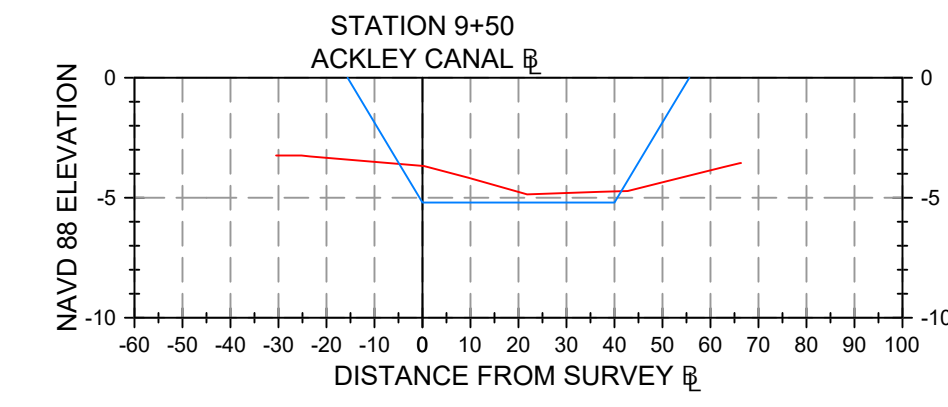
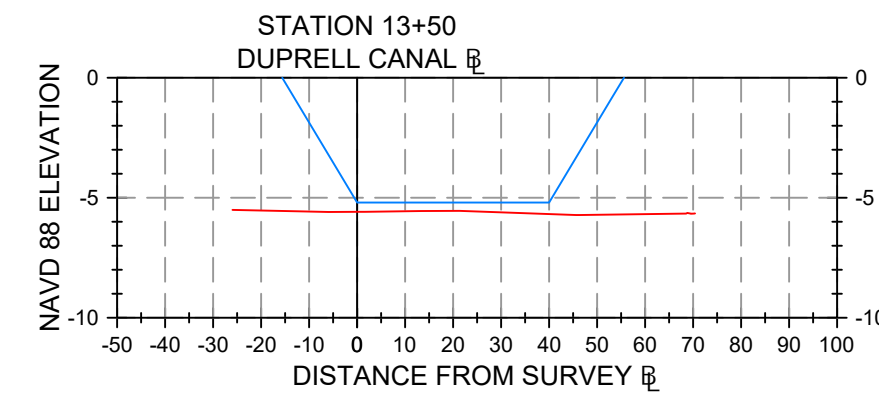
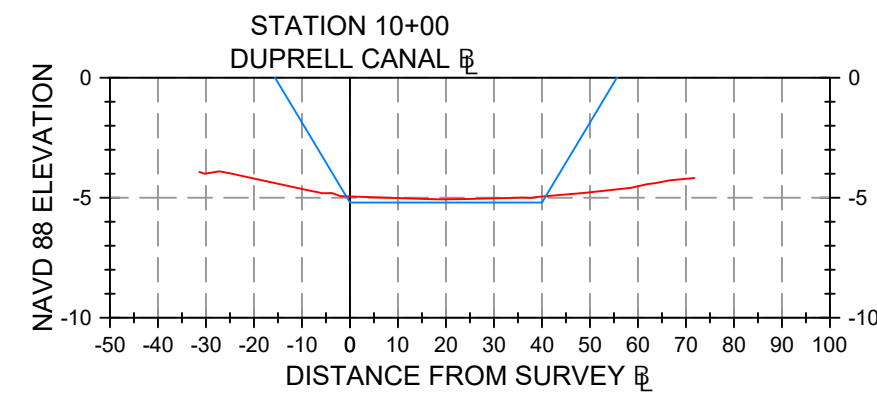
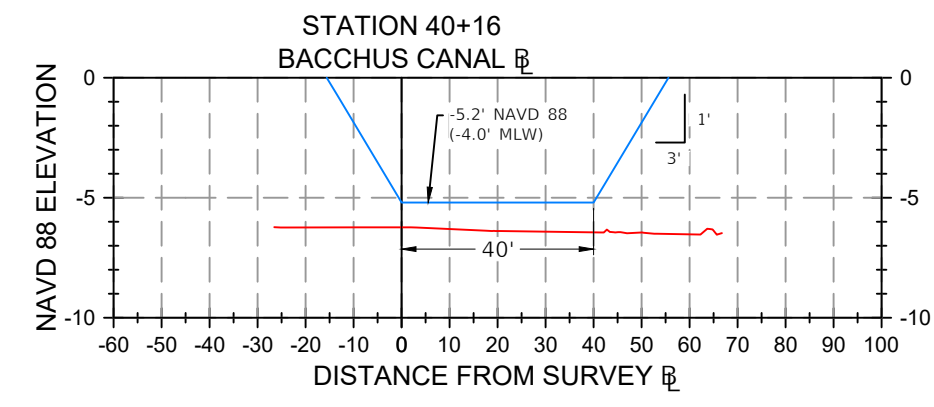
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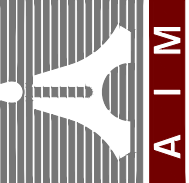
- = BASELINE
- = EXISTING BOTTOM SURFACE
- = DREDGE TEMPLATE
- MLW = MEAN LOW WATER
- NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS CHARLOTTE COUNTY, FLORIDA



|   |  |   |  |  |  |
|---|--|---|--|--|--|
|    |  | <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |  | CLIENT: CHARLOTTE COUNTY                     | DRAWN: RH<br>CHECKED: DT<br>DATE: 04/21/2025<br>DATE: 05/09/2025 |
| PROJECT NAME:<br>WOP 322 PRE-STORM BATHYMETRIC SURVEYS<br>PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  |  | FIELD BOOK: SEE SHEET 1<br>PROJECT: DARREN TOWNSEND, UPPER<br>PROFESSIONAL ENGINEER, FLORIDA LICENSE NO. 6676<br>DATE OF EXPIRATION: 03/31/2025   |  | SHEET: 32<br>OF: 43                          |  |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND THE ORIGINAL DRAWING(S) MUST BE MAINTAINED IN THE OFFICE OF THE ENGINEER AND SURVEYOR, INC. IS PROHIBITED. |  | REVISIONS:  |  | COUNTY: CHARLOTTE<br>TOWNSHIP: S<br>RANGE: E |  |
| PROJECT NO.: 24-1940_PHS07  |  | SHEET NO.: 32   |  | DATE: 04/21/2025                             |  |
| PROJECT NO.: 24-1940  |  | SHEET NO.: 32   |  | DATE: 05/09/2025                             |  |
| PROJECT NO.: 24-1940  |  | SHEET NO.: 32   |  | DATE: 05/09/2025                             |  |

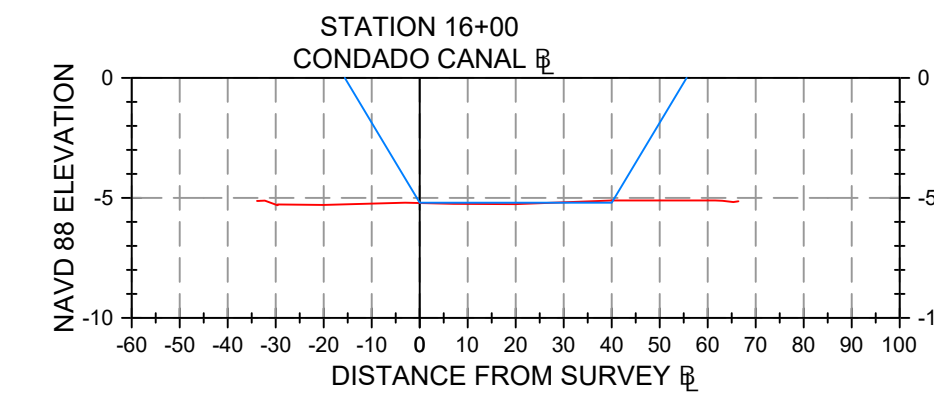
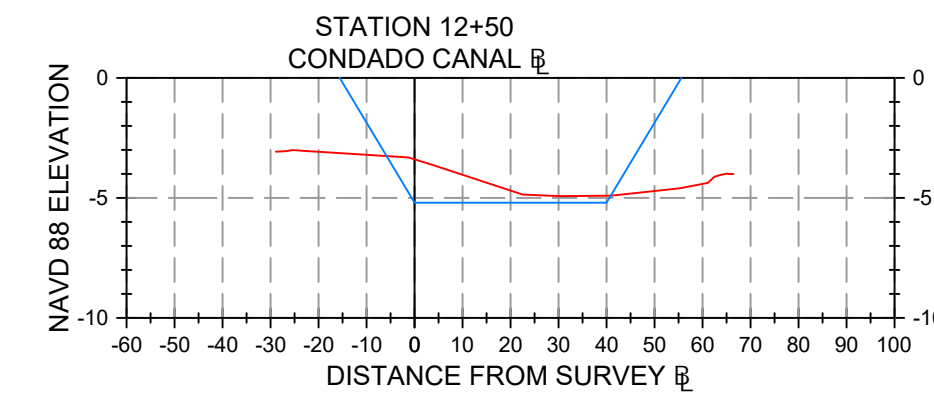
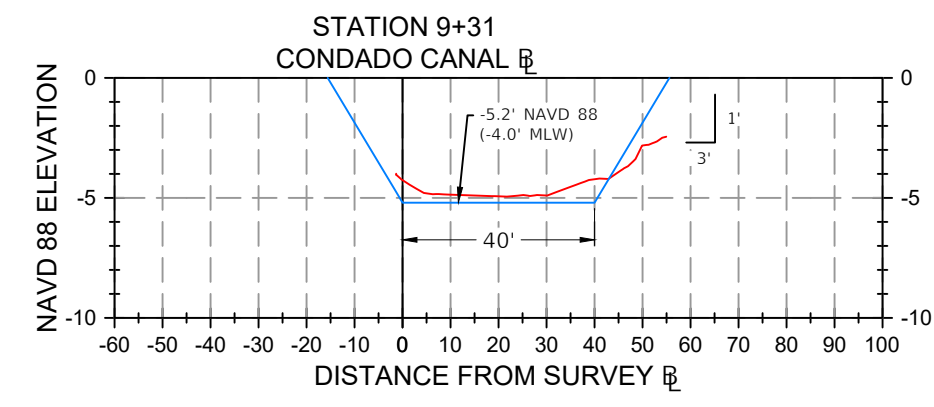
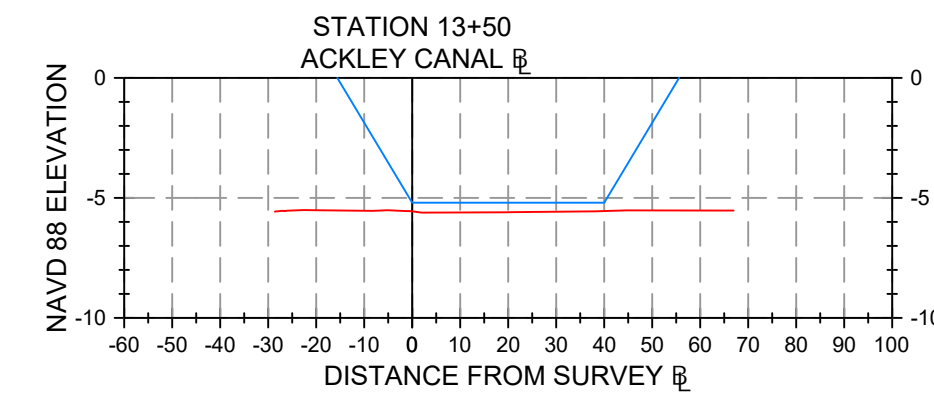
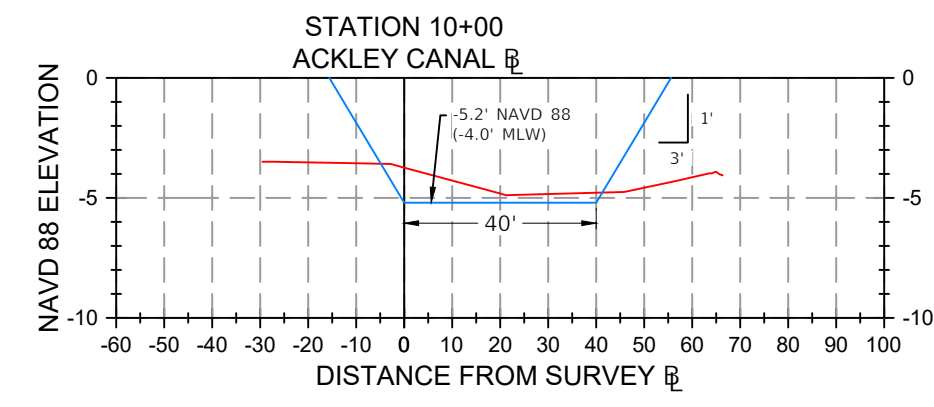
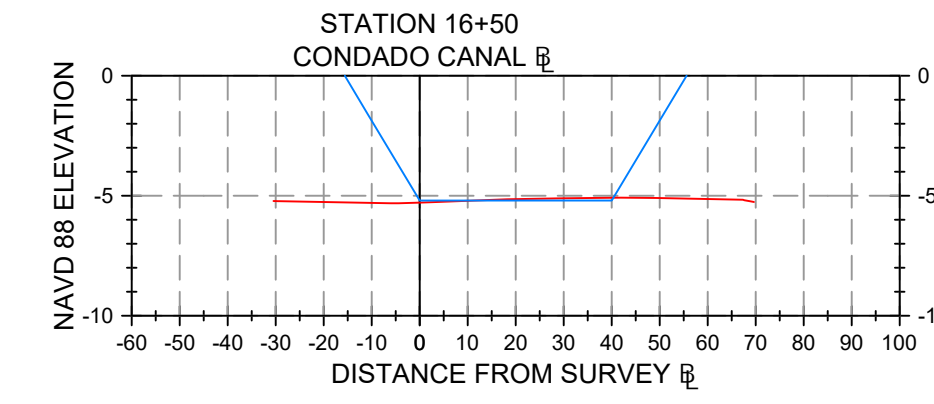
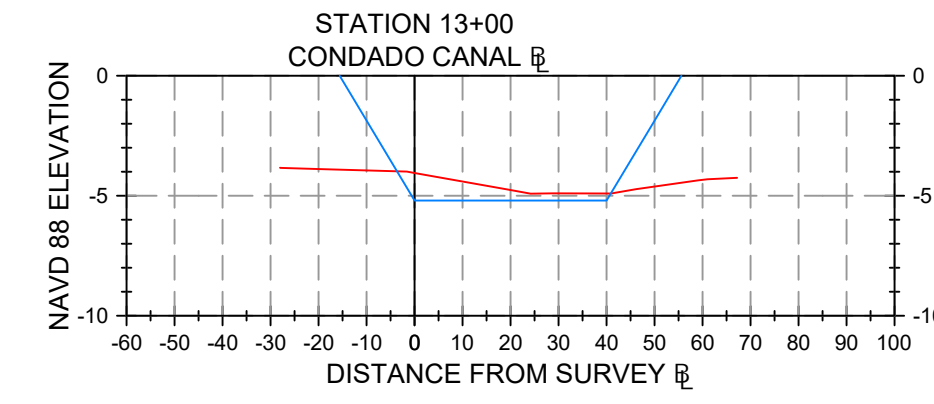
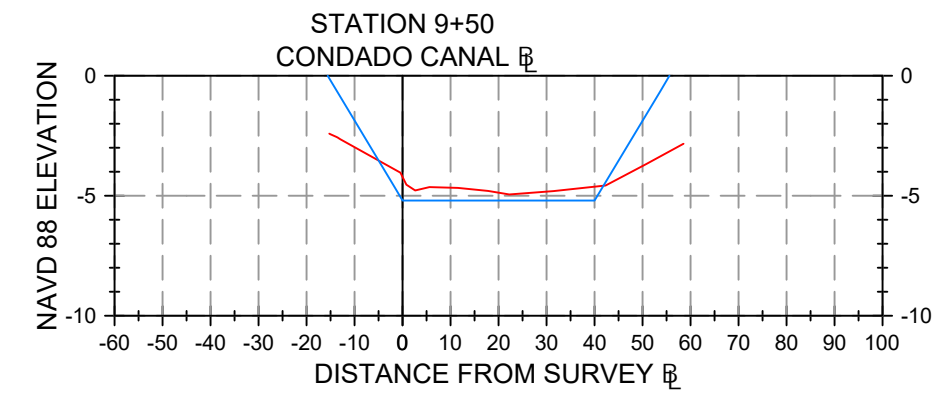
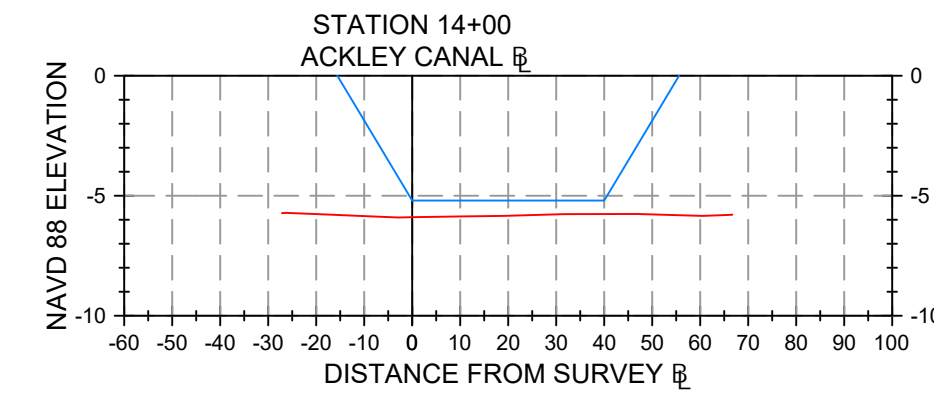
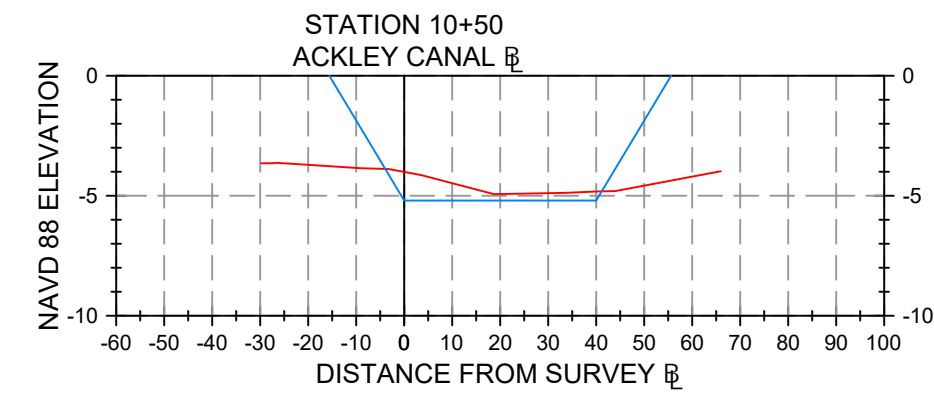
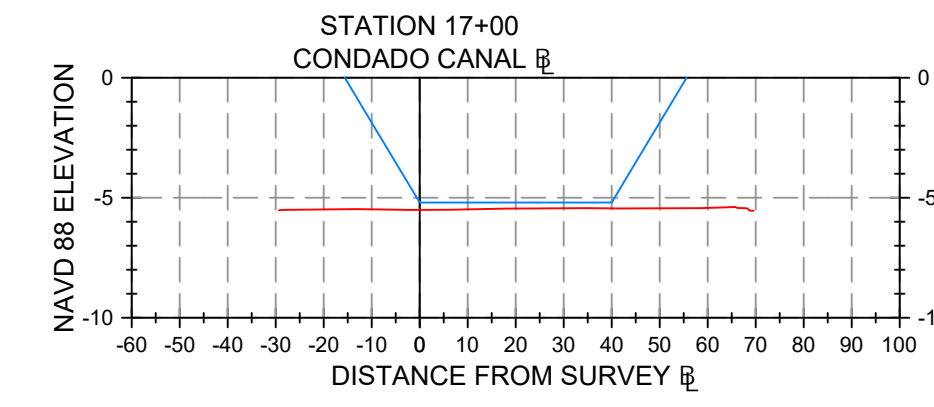
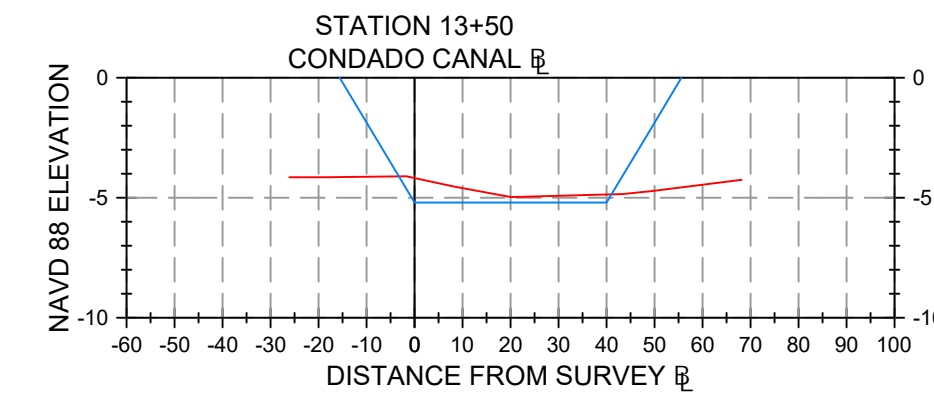
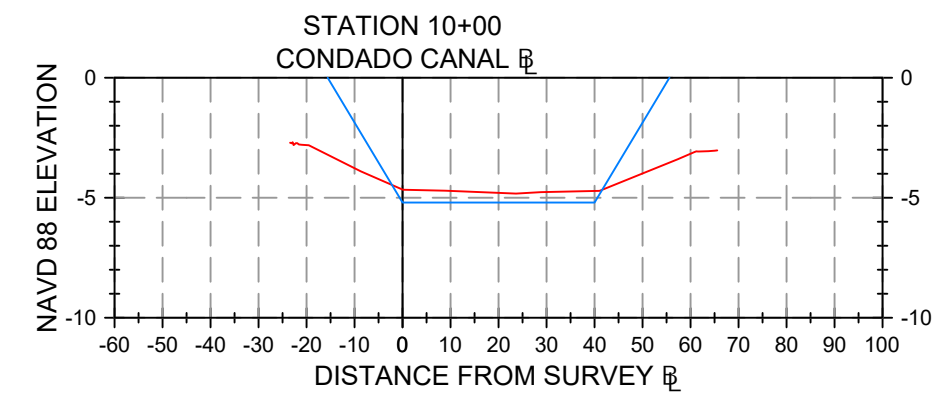
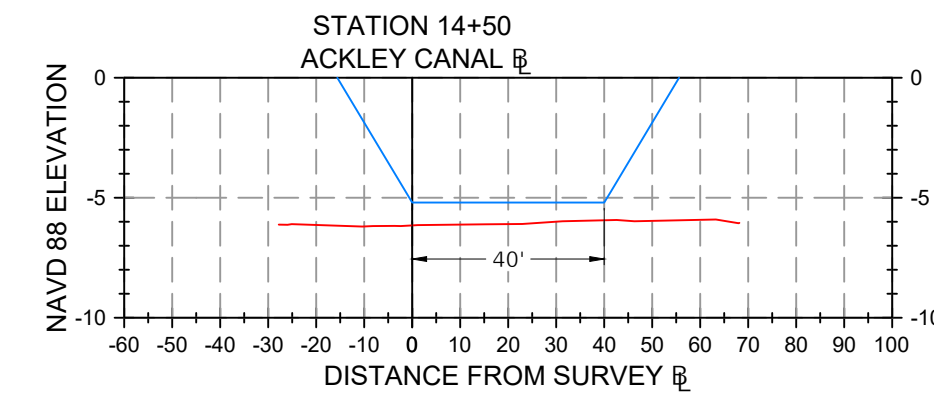
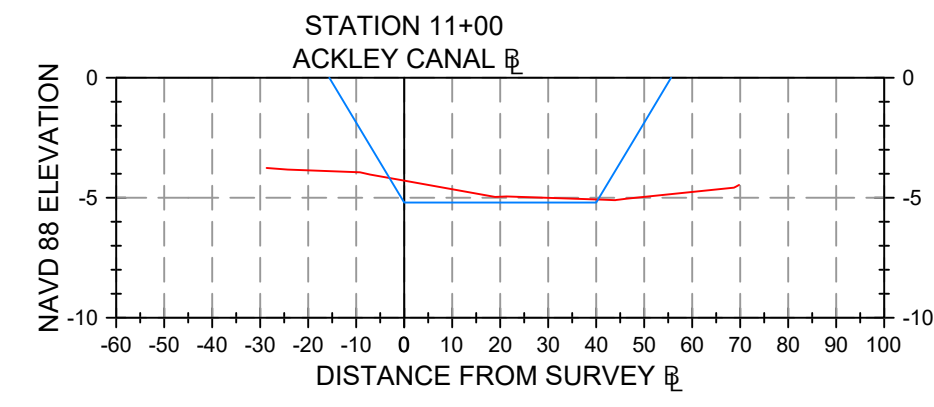
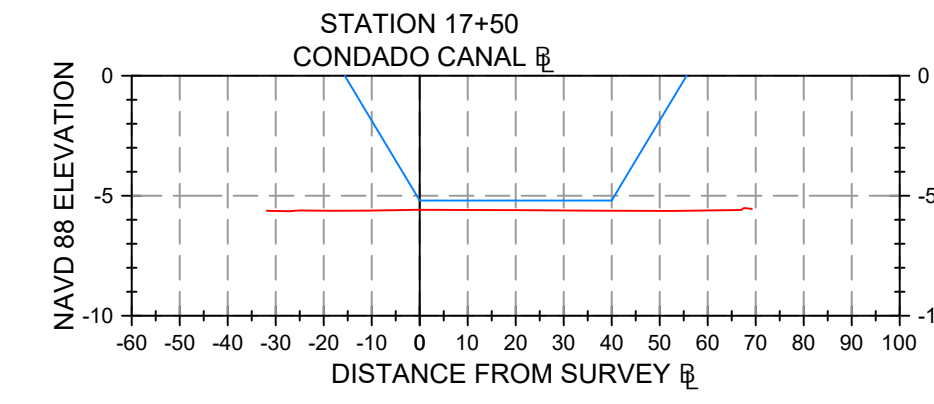
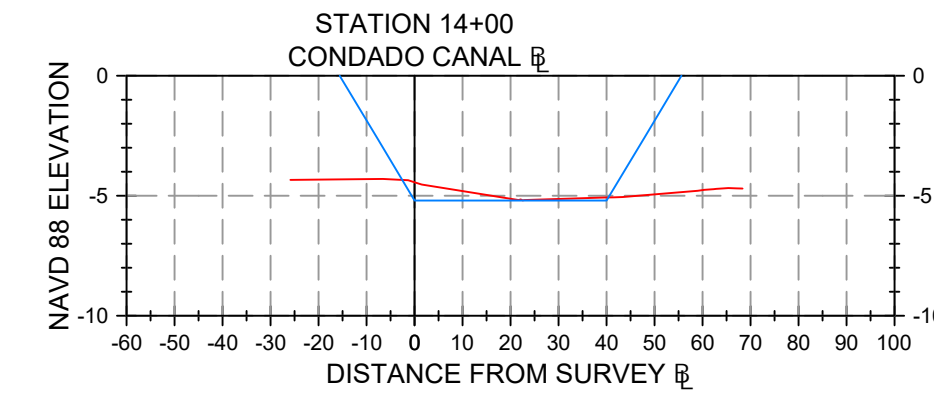
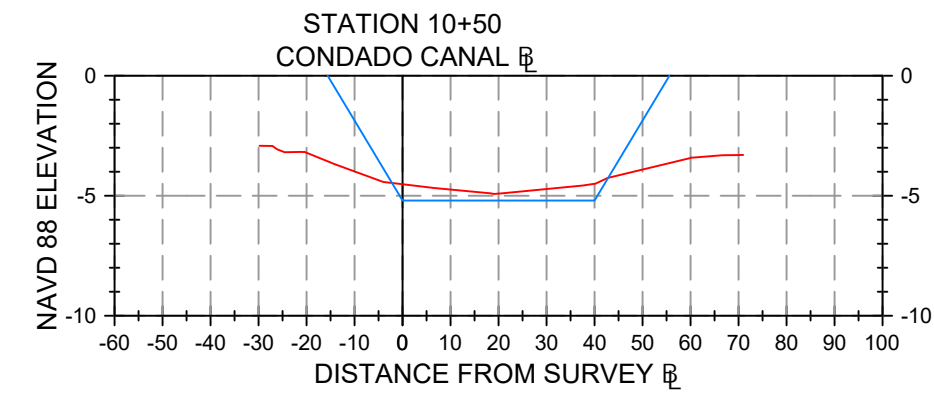
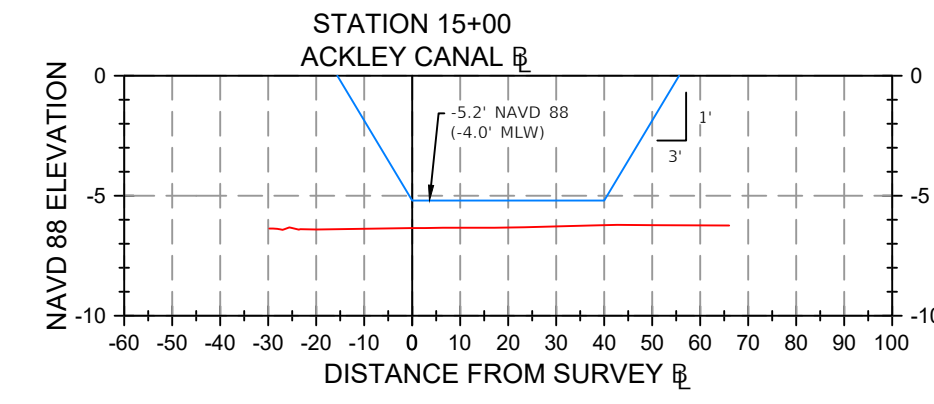
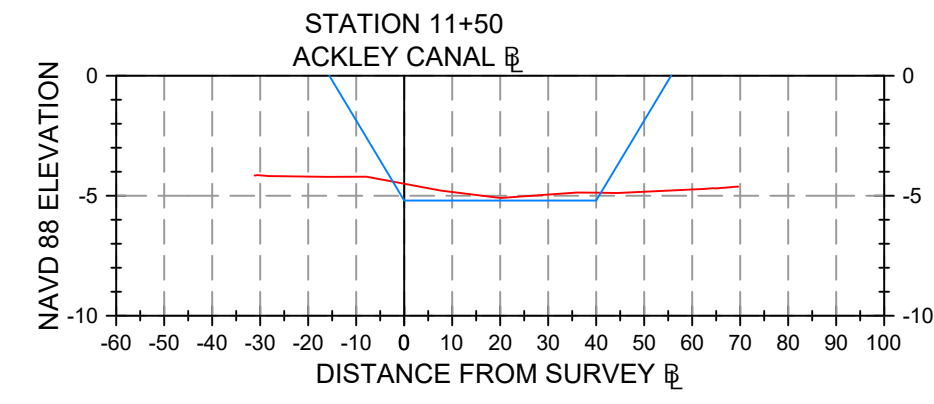
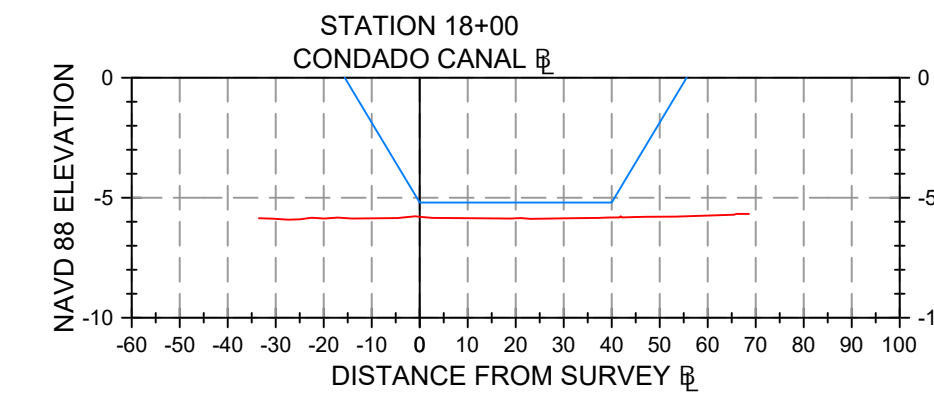
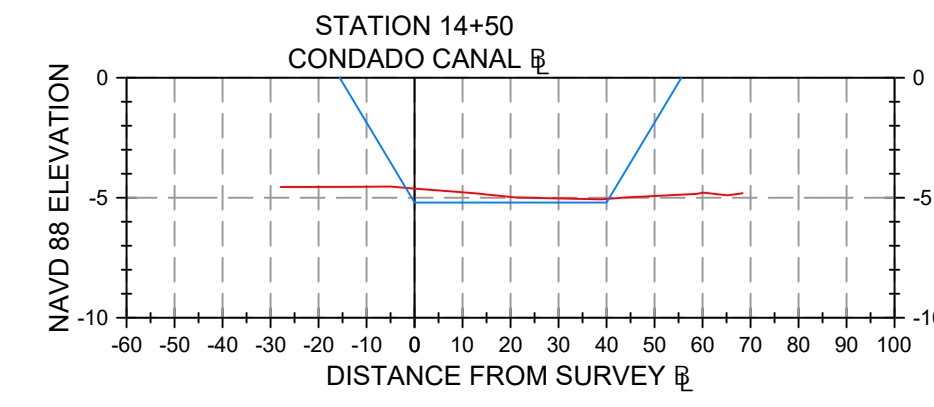
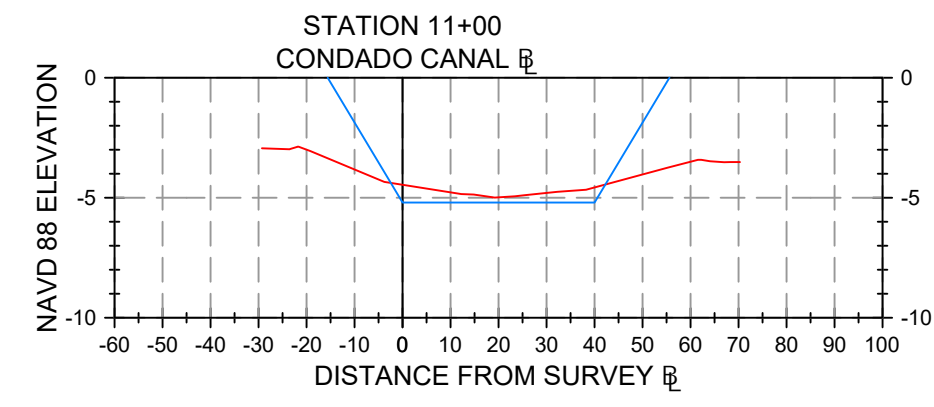
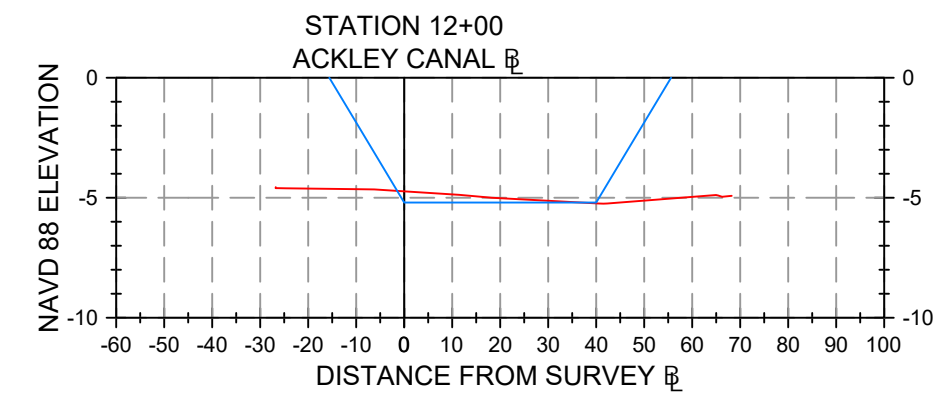
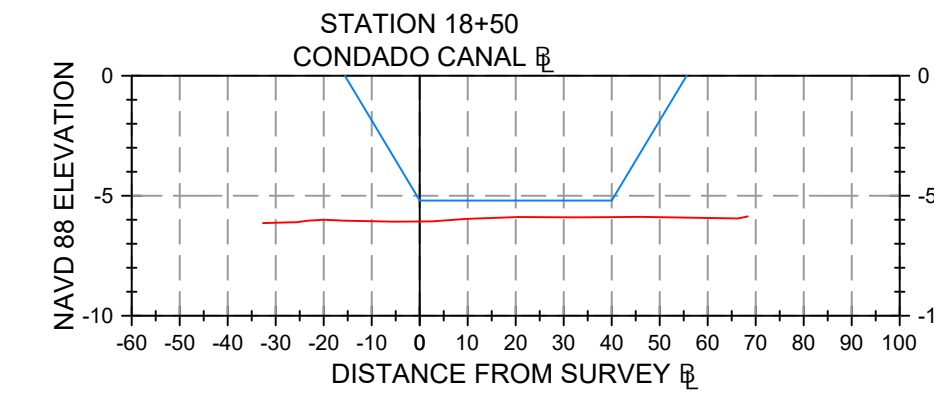
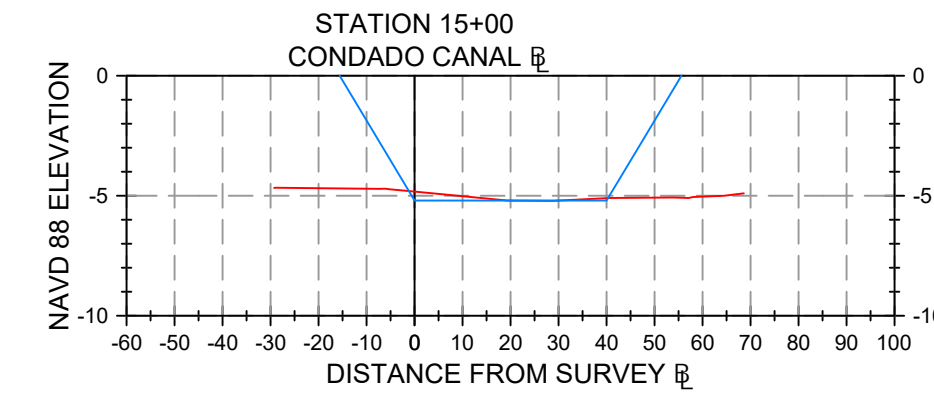
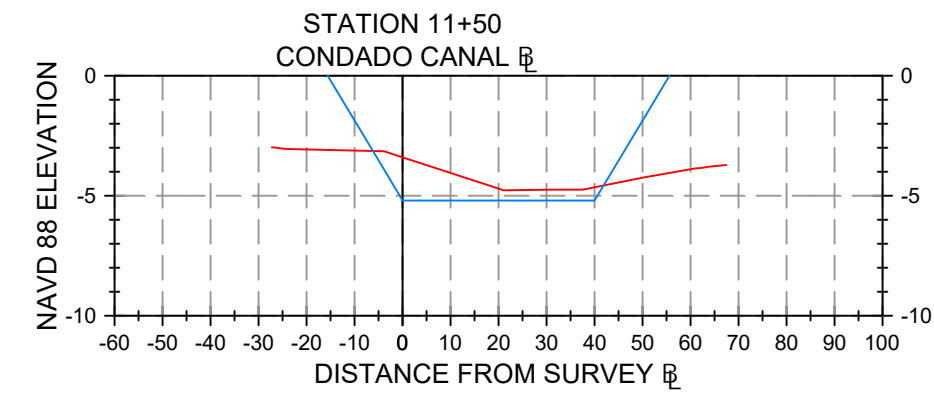
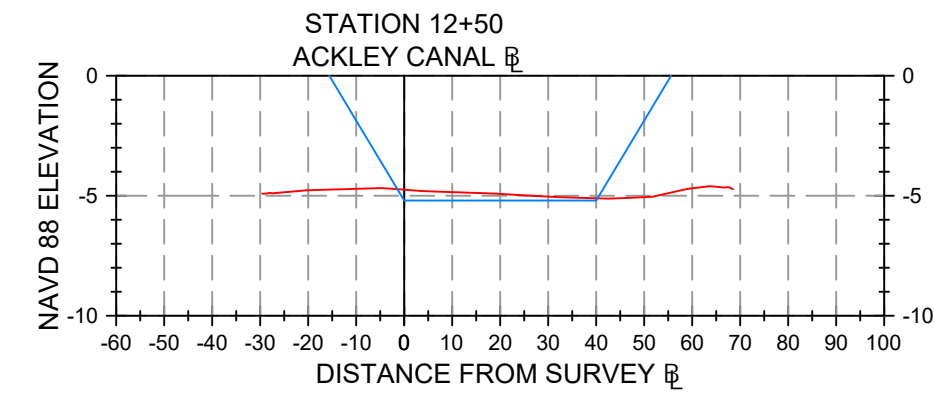
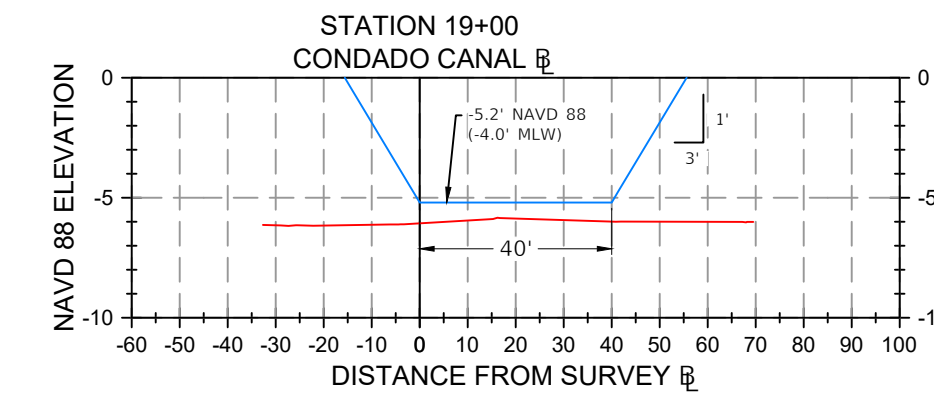
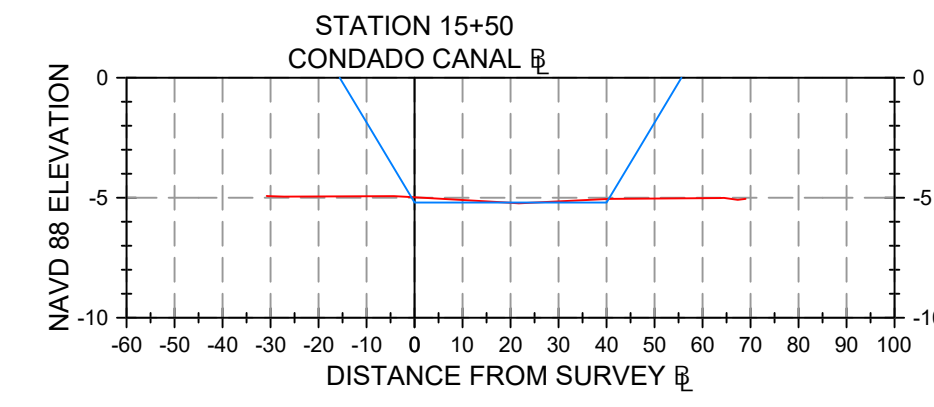
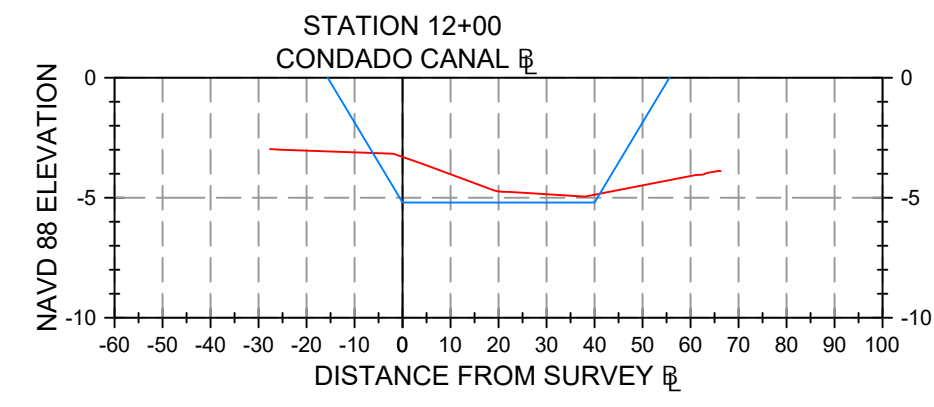
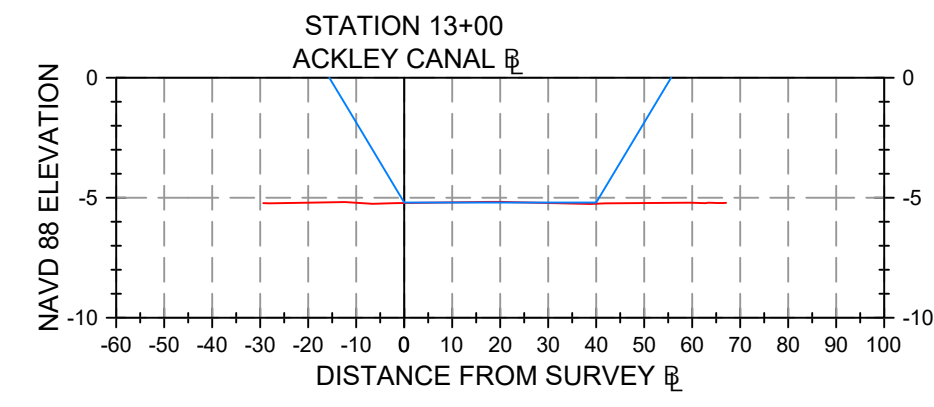
SECTION SHEET LEGEND:  
 — = BASELINE  
 — = EXISTING BOTTOM SURFACE  
 — = DREDGE TEMPLATE  
 MLW = MEAN LOW WATER  
 NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|       |            |
|-------|------------|
| NO. 1 | REVISIONS: |
| NO. 2 | BY:        |
| NO. 3 | DATE:      |
| NO. 4 |            |
| NO. 5 |            |
| NO. 6 |            |
| NO. 7 |            |

ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE APPROVED BY THE PROJECT MANAGER, PROJECT ENGINEER, AND SURVEYING, INC. IS PROHIBITED.

FIELD BOOK: SEE NOTE 11

PROJECT NAME: WOP 322 PRE-STORM BATHYMETRIC SURVEYS  
 PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  
 SEE SHEET 1  
 DARREN TOWSE/END MAPPER  
 PROFESSIONAL ENGINEER  
 FLORIDA LICENSE NO. 4676  
 3601 W. PALM BLVD., SUITE 200, WEST PALM BEACH, FL 33411

**AIM Engineering & Surveying, Inc.**  
 CIVIL \* SANITARY \* TRANSPORTATION \* DEVELOPMENT \* PROJECT MANAGEMENT  
 3151 FOWLER STREET, SUITE 100  
 FORT MYERS, FLORIDA 33901  
 www.aimengr.com

CERTIFICATE OF AUTHORIZATION No. 3114  
 DATE: 04/21/2025  
 DT: 05/09/2025

DRAWN: RH  
 CHECKED: DT

CLIENT: CHARLOTTE COUNTY

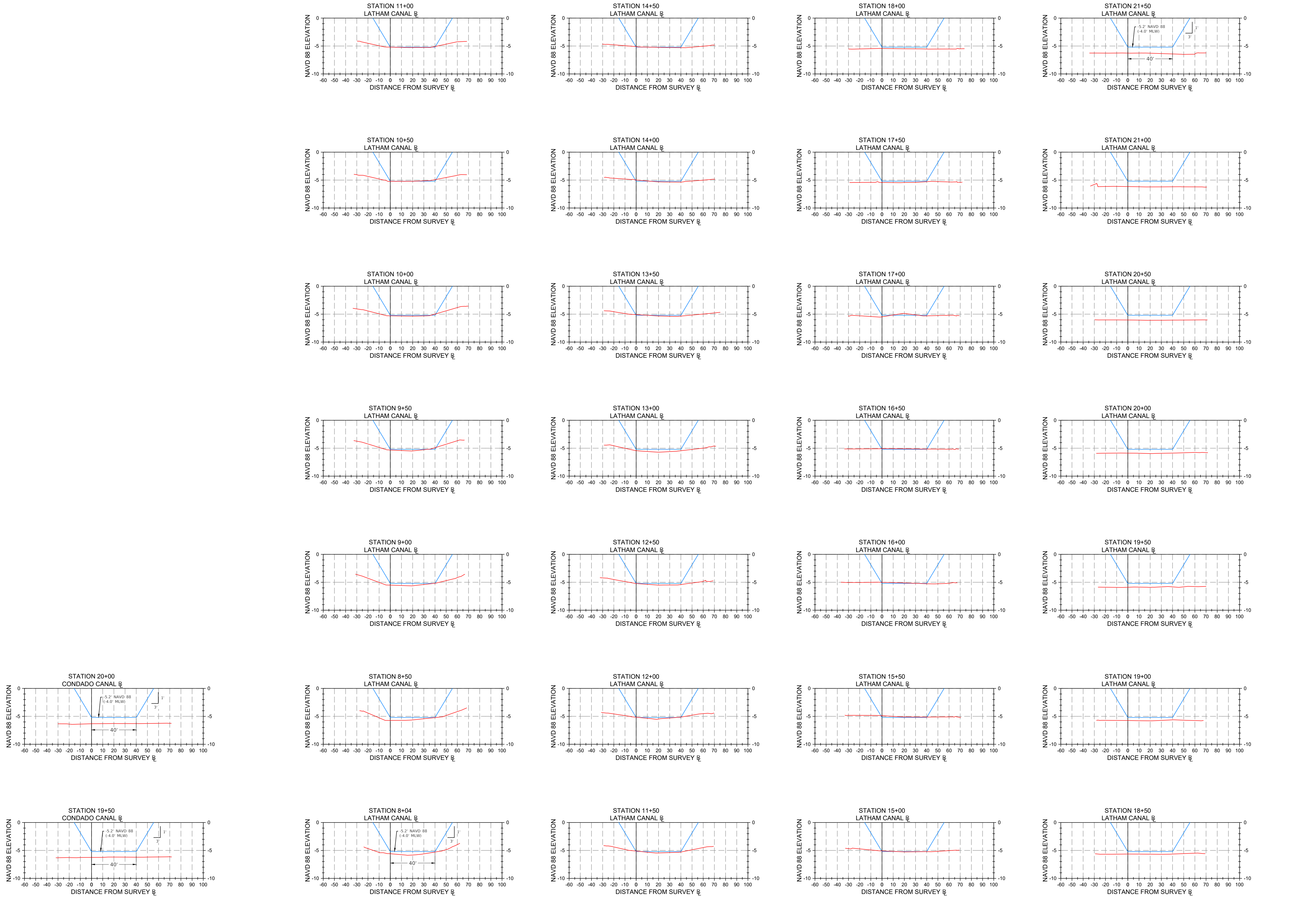
SECTION SHEET LEGEND:  
 ☒ = BASELINE  
 — = EXISTING BOTTOM SURFACE  
 — = DREDGE TEMPLATE  
 MLW = MEAN LOW WATER  
 NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|   |   |   |
|---|---|---|
| <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com                 |   | CLIENT: CHARLOTTE COUNTY  |
| PROJECT NAME:<br>WOP# 322 PRE-STORM BATHYMETRIC SURVEYS   | PREPARED BY: AIM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWNSEND<br>PROFESSOR OF SURVEYING<br>FLORIDA CERTIFICATE NO. 4676 | DRAWN: RH<br>CHECKED: DT<br>DATE: 04/21/2025<br>DT: 05/09/2025            |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND THE ORIGINAL DRAWING(S) MUST BE REVISIONED AND APPROVED BY THE ORIGINAL SURVEYING ENGINEER. INC. IS PROHIBITED. |   | FIELD BOOK: SEE NOTE 13   |
| REVISIONS:  |   | SHEET: 34<br>OF: 43   |
| DATE:   |   | COUNTY: CHARLOTTE<br>TOWNSHIP: S<br>RANGE: E                              |
| NO. 1<br>2<br>3<br>4<br>5<br>6<br>7   |   | PROJECT NO.: 24-1940-PS07<br>COUNTY: CHARLOTTE<br>TOWNSHIP: S<br>RANGE: E |

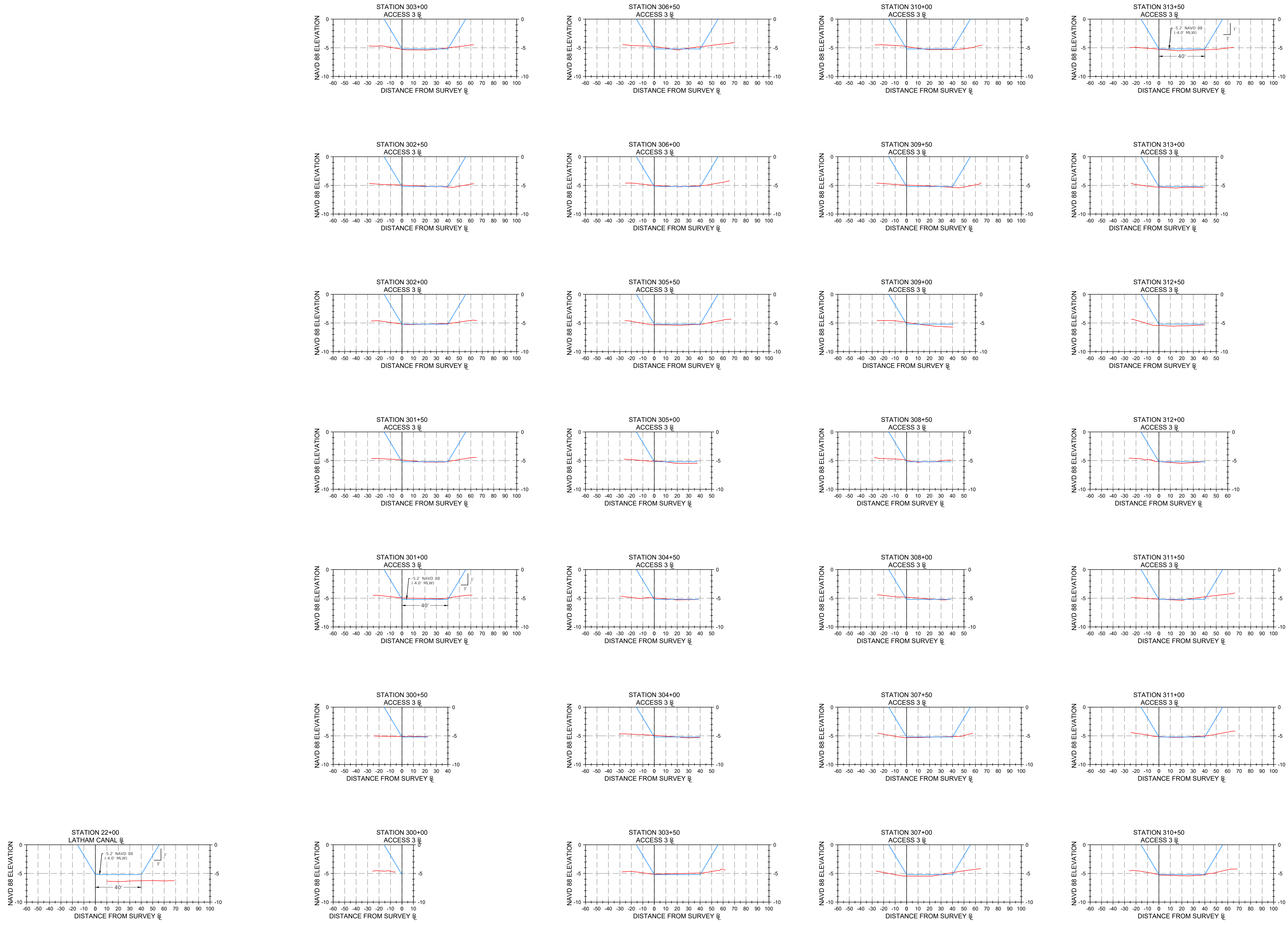
SECTION SHEET LEGEND:  
 — = BASELINE  
 — = EXISTING BOTTOM SURFACE  
 — = DREDGE TEMPLATE  
 MLW = MEAN LOW WATER  
 NAVD 88 = NORTH AMERICAN DATUM OF 1988

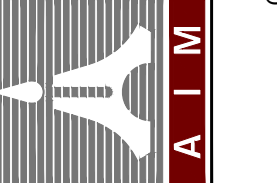
SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

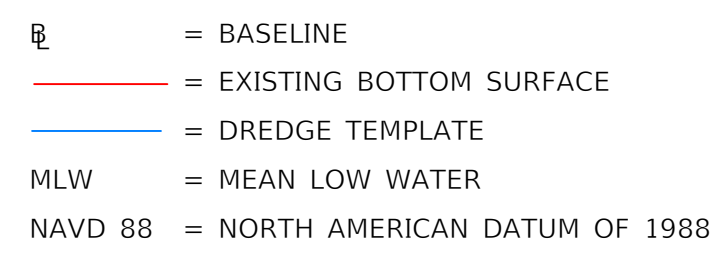
# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|   |  |   |  |                          |  |
|---|--|---|--|--------------------------|--|
|    |  | <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |  | CLIENT: CHARLOTTE COUNTY |  |
| PROJECT NAME:<br>WOP# 322 PRE-STORM BATHYMETRIC SURVEYS   |  | PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  |  | DATE: 05/09/2025         |  |
| SEE SHEET 1<br>DARREN TOWSE/END<br>PROFESSOR<br>FLORIDA CERTIFICATE NO. PA 6676   |  | CERTIFICATE OF AUTHORIZATION No. 3114   |  | DT: 04/21/2025           |  |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE APPROVED BY THE PROJECT MANAGER, AIM ENGINEERING & SURVEYING, INC. IS PROHIBITED. |  | FIELD BOOK: SEE NOTE 13   |  | CHECKED:                 |  |
| REVISIONS:  |  | NO. 1<br>DATE:  |  | DRAWN: RH                |  |
| NO. 2<br>DATE:  |  | NO. 3<br>DATE:  |  | CHECKED:                 |  |
| NO. 4<br>DATE:  |  | NO. 5<br>DATE:  |  | DATE: 04/21/2025         |  |
| NO. 6<br>DATE:  |  | NO. 7<br>DATE:  |  | DT: 05/09/2025           |  |
| PROJECT NO.: 24-1940_PHS07  |  | COUNTY: CHARLOTTE   |  | SHEET: 35                |  |
| SECTION:  |  | TOWNSHIP: S   |  | RANGE: E                 |  |
| SHEET: 35   |  | OF: 43  |  | DATE: 05/09/2025         |  |

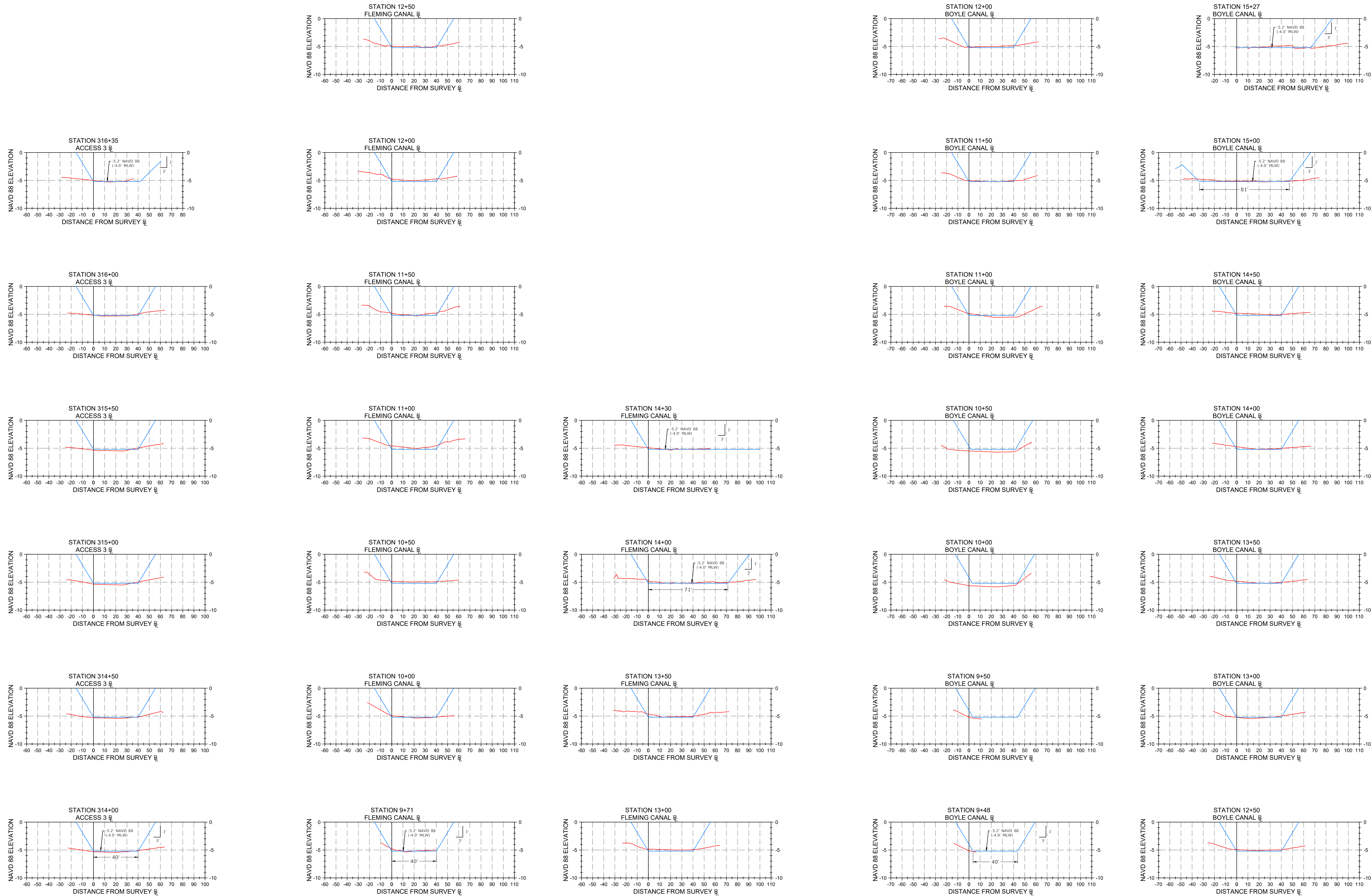
SECTION SHEET LEGEND:  
  
 = BASELINE  
 = EXISTING BOTTOM SURFACE  
 = DREDGE TEMPLATE  
 MLW = MEAN LOW WATER  
 NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|   |  |   |   |   |  |
|---|--|---|---|---|--|
| <b>HYDROGRAPHIC SURVEY</b><br>GULF COVE WATERWAYS |  | PROJECT NAME<br>WOP 322 PRE-STORM BATHYMETRIC SURVEYS | PREPARED BY: AIM ENGINEERING & SURVEYING, INC.<br>SEE SHEET 1 | PROJECT ENGINEER<br><b>DARREN TOWSE</b><br>PROFESSIONAL ENGINEER<br>FLORIDA LICENSE NO. 4676  | ANY REVISIONS, ALTERATIONS,<br>AND OR CHANGES TO DRAWINGS(S)<br>MUST BE APPROVED BY THE ORIGINAL<br>DESIGNER AND/OR SURVEYOR.<br>INC. IS PROHIBITED. |
| PRODUCT NO.<br>24-1940                            | COUNTY<br>CHARLOTTE                          | DRAWN<br>RH   | CHECKED<br>DT   | DATE<br>04/21/2025  | DATE<br>05/09/2025   |
| SHEET<br>36                                       | SECTION<br>CHARLOTTE                         | CLIENT<br>CHARLOTTE COUNTY                            |   | CERTIFICATE OF AUTHORIZATION No. 3114   |  |
| FILE NAME<br>24-1940_PHS07                        | TOWNSHIP<br>S                                | CLIENT<br>CHARLOTTE COUNTY                            |   | CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>TOLL FREE 800-326-4569<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |  |
| RANGE<br>E  | <b>AIM Engineering &amp; Surveying, Inc.</b> |   |   |   |  |

SECTION SHEET LEGEND:

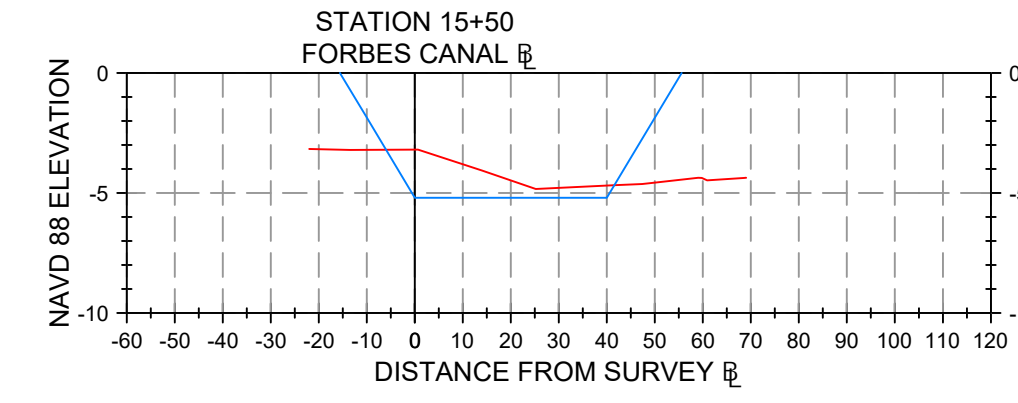
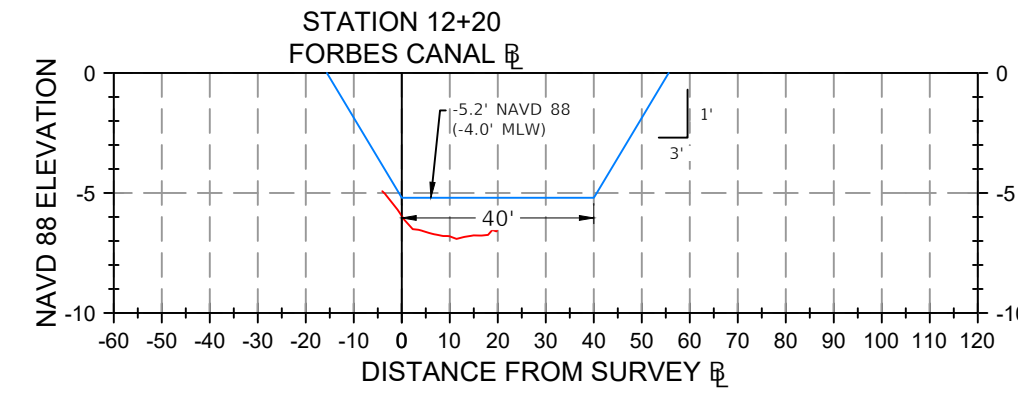
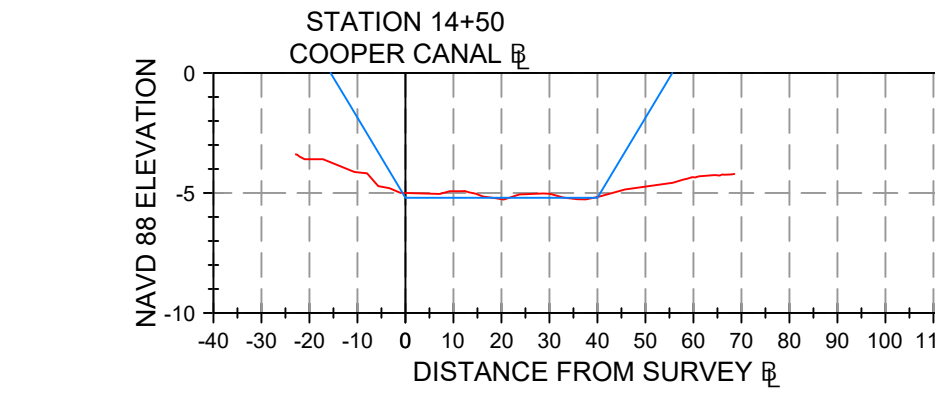
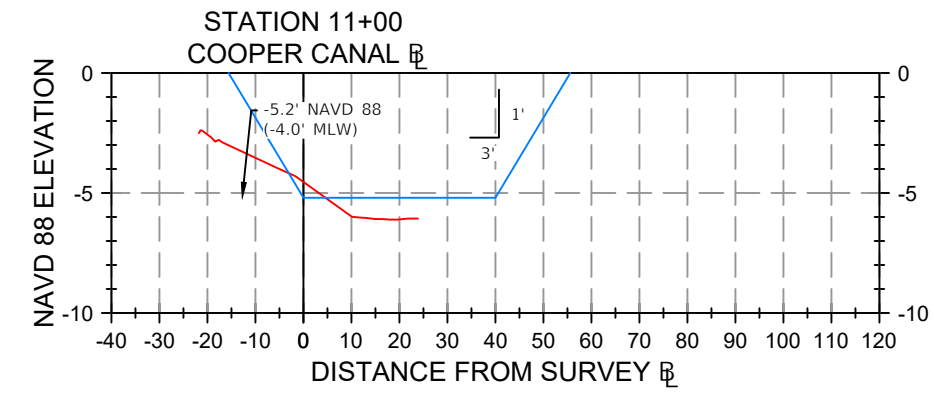
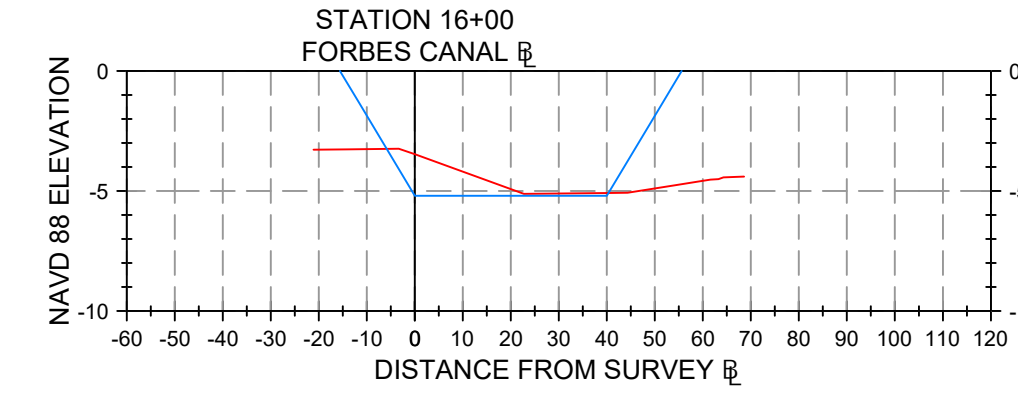
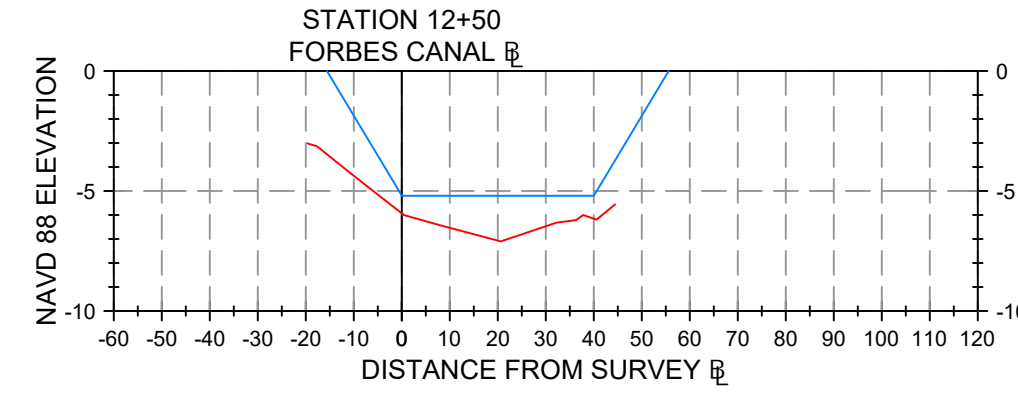
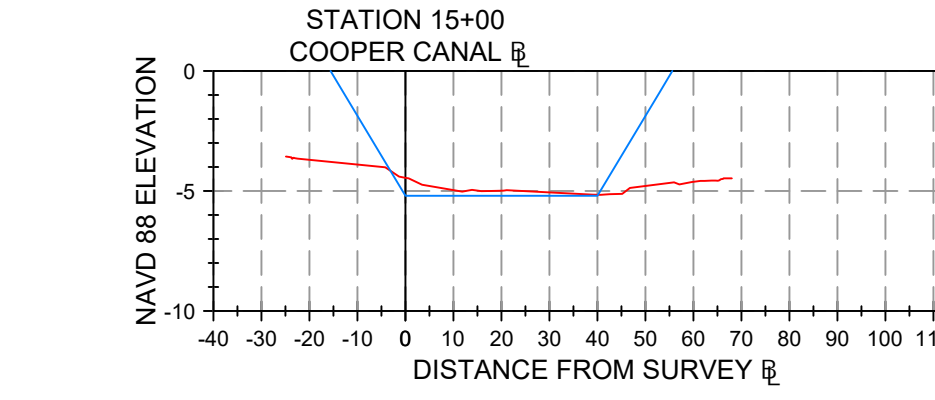
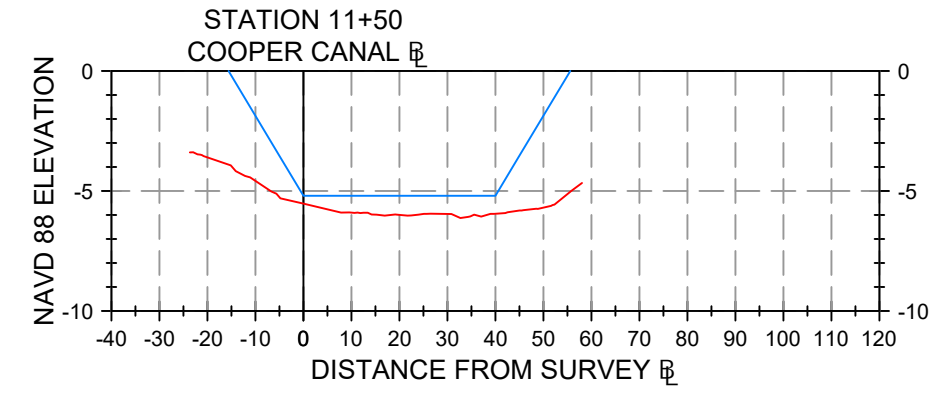
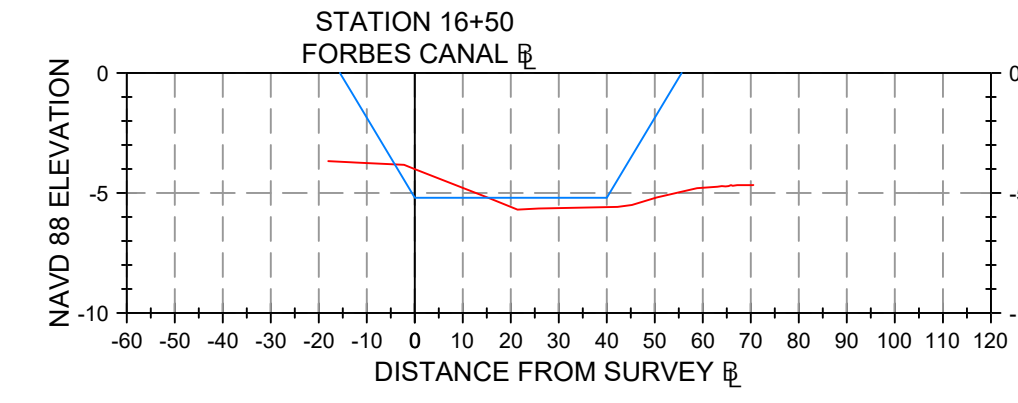
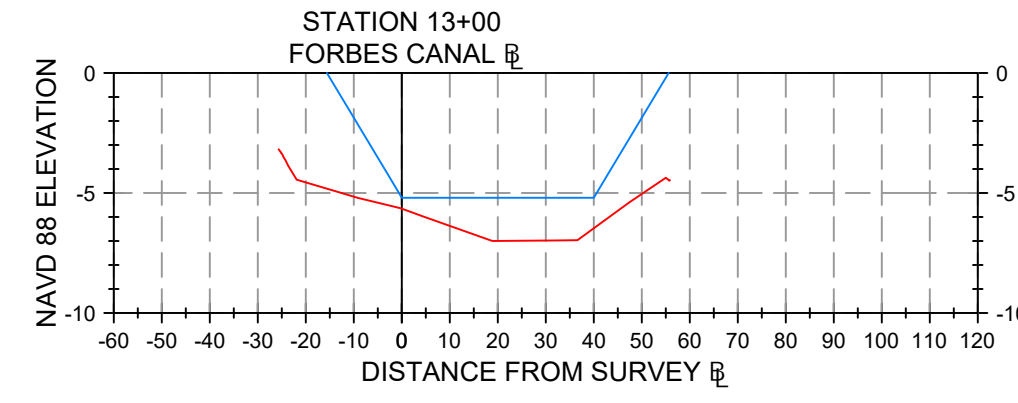
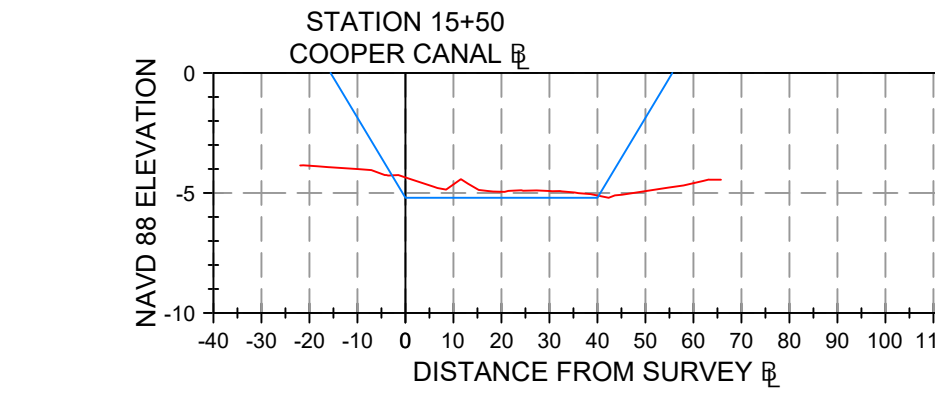
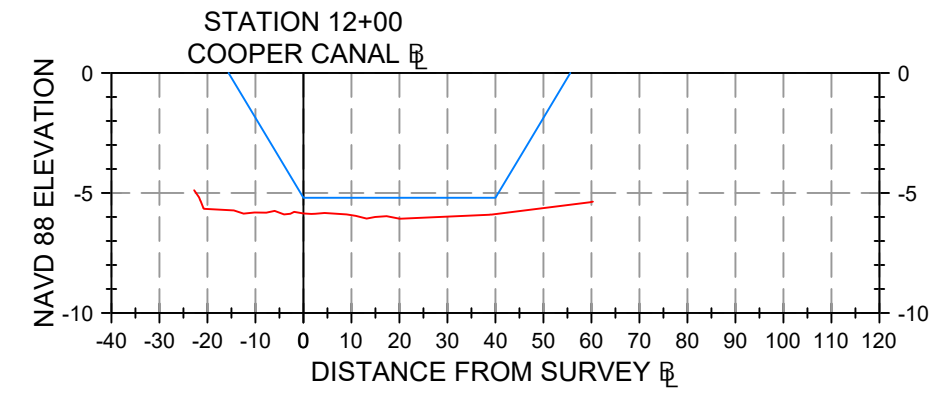
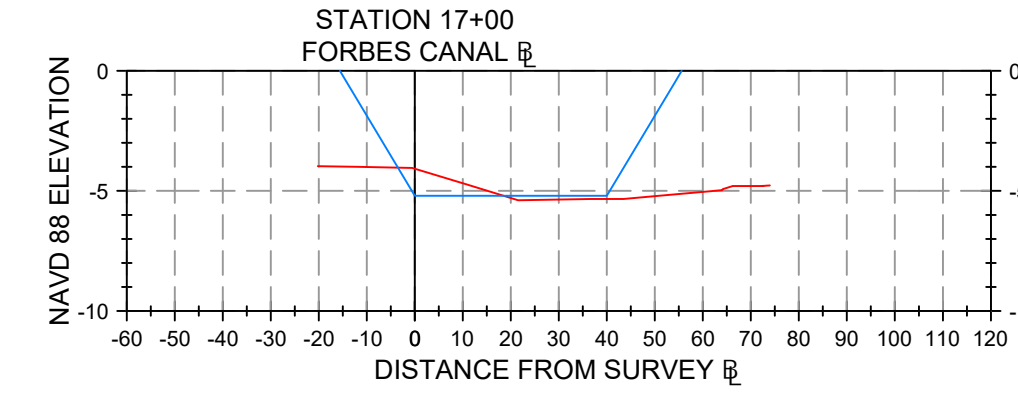
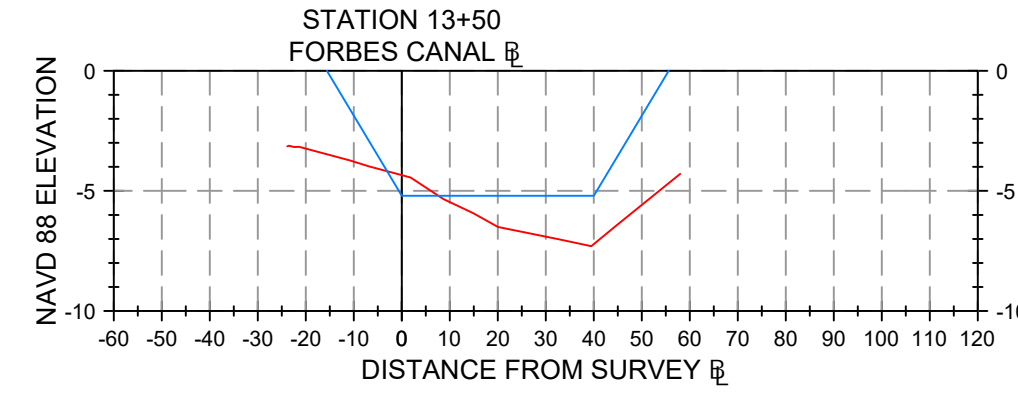
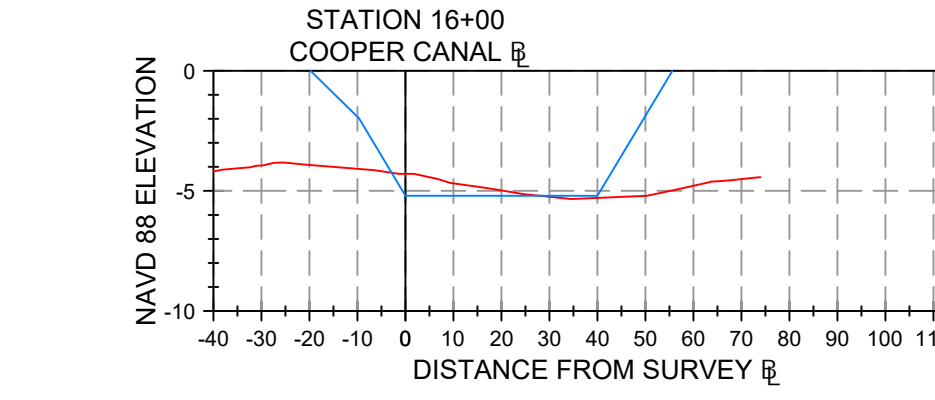
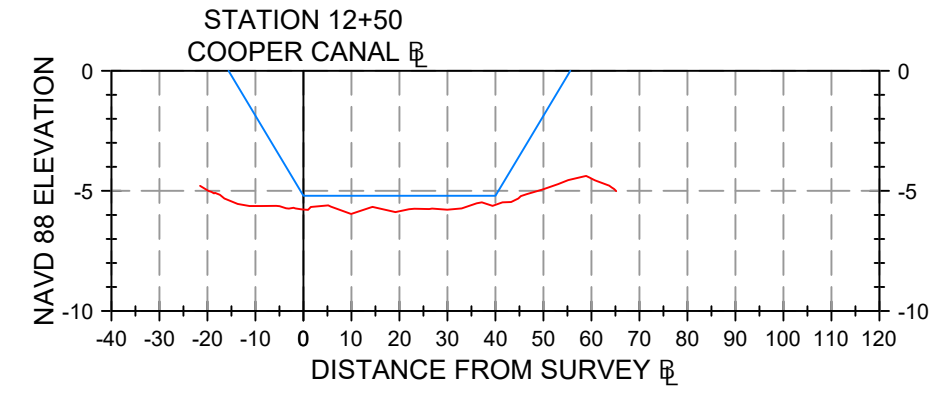
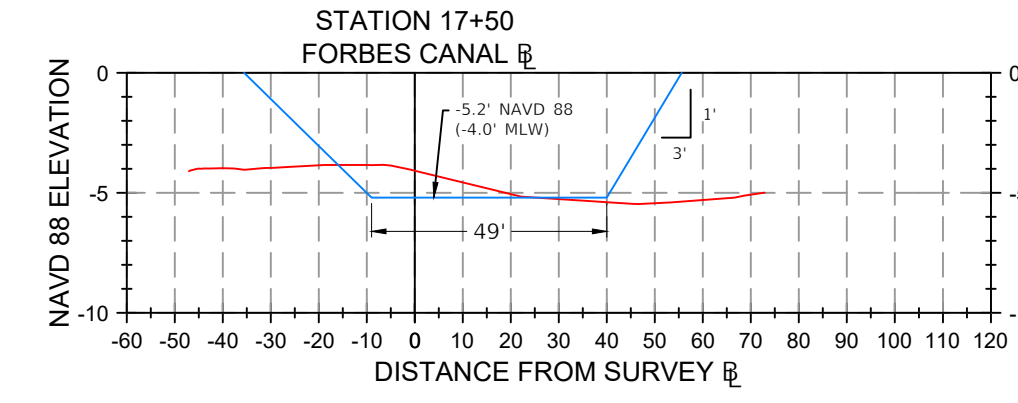
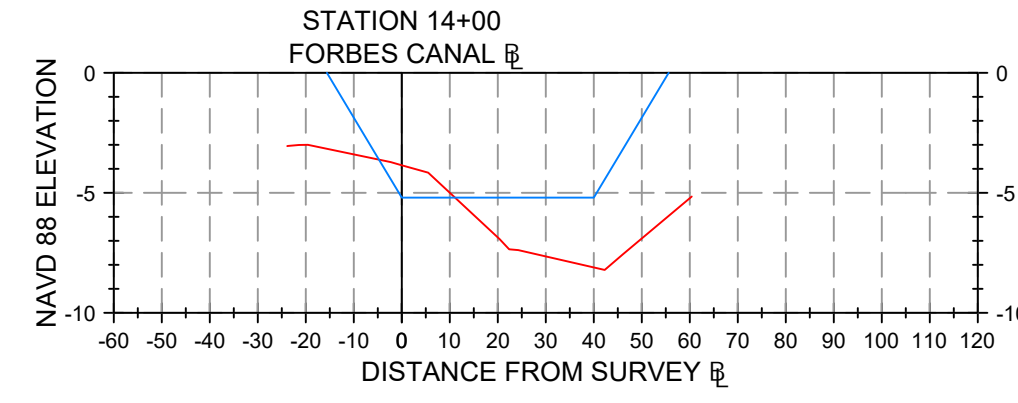
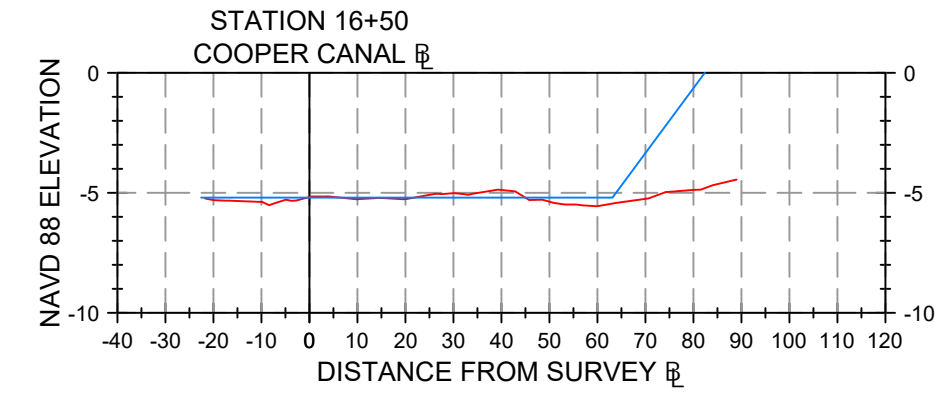
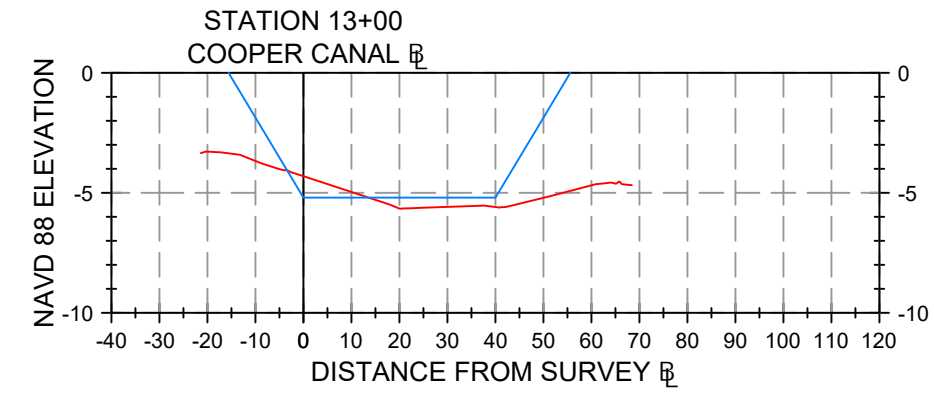
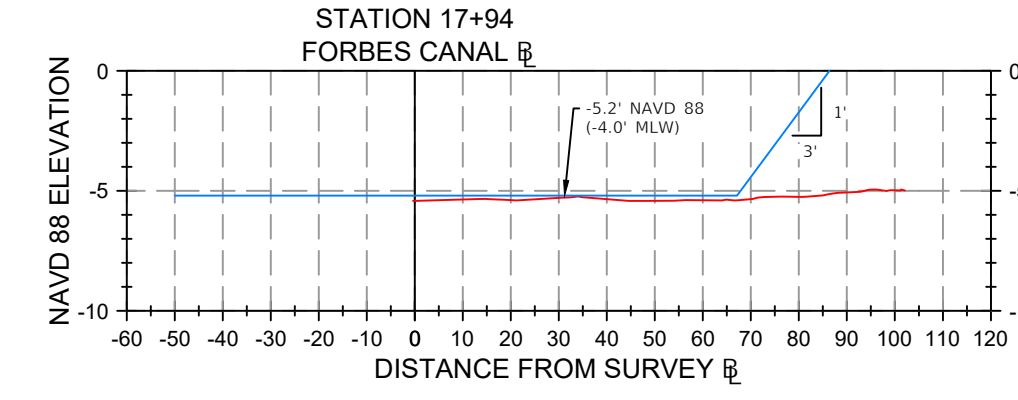
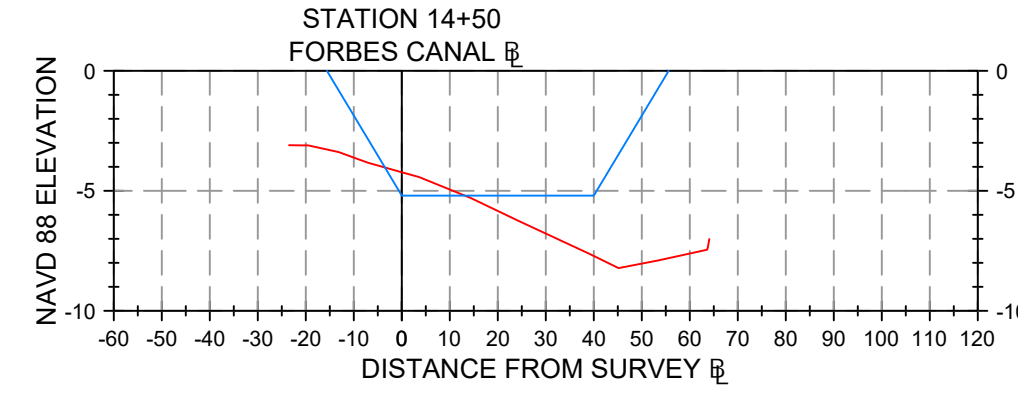
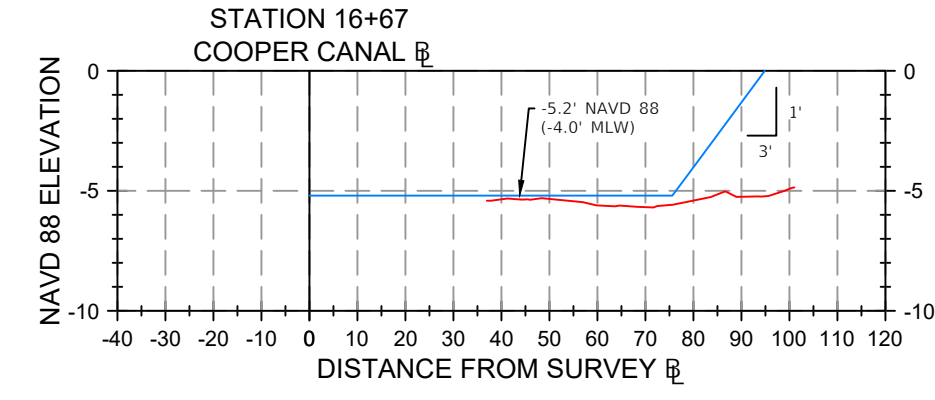
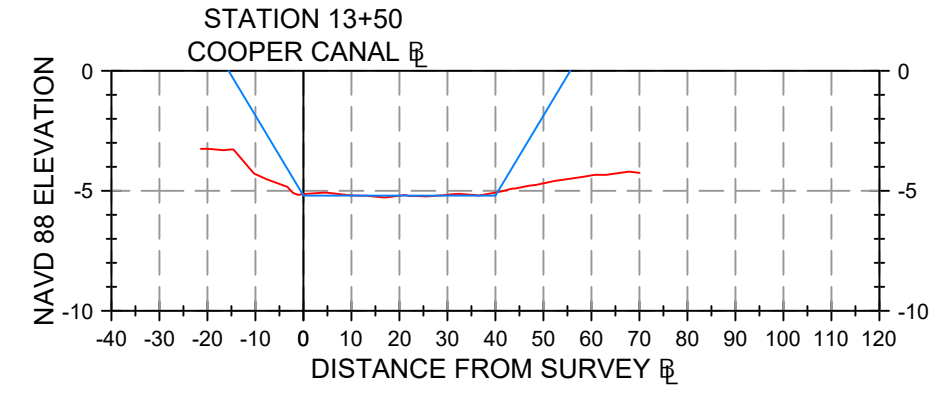
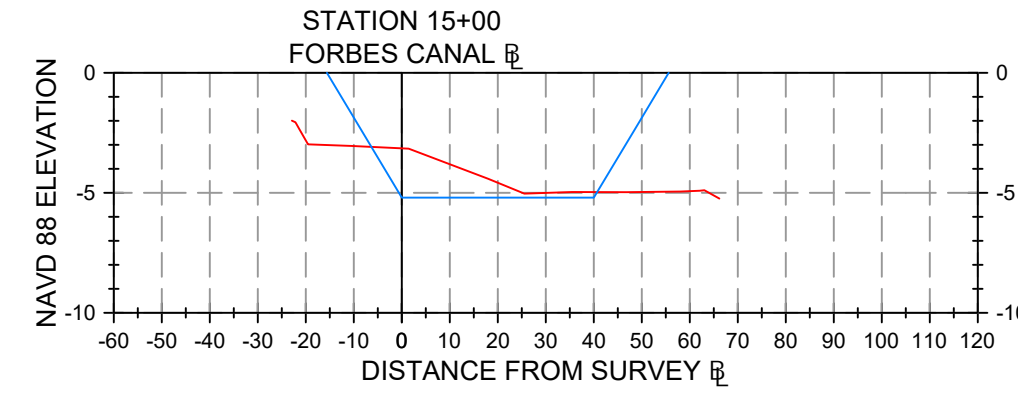
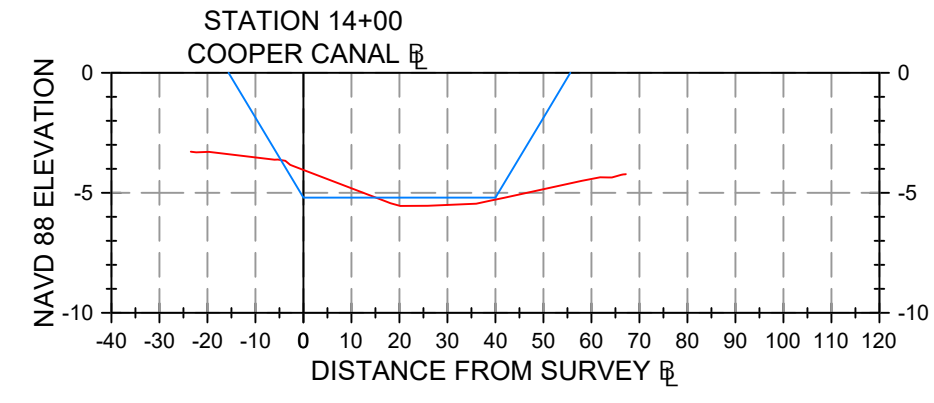
- = BASELINE
- = EXISTING BOTTOM SURFACE
- = DREDGE TEMPLATE
- MLW = MEAN LOW WATER
- NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



|   |  |   |  |                          |
|---|--|---|--|--------------------------|
|   |  | <b>AIM Engineering &amp; Surveying, Inc.</b><br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |  | CLIENT: CHARLOTTE COUNTY |
| PROJECT NAME: W0# 322 PRE-STORM BATHYMETRIC SURVEYS<br>PREPARED BY: AIM ENGINEERING & SURVEYING, INC.   |  | CERTIFICATE OF AUTHORIZATION No. 3114<br>DATE: 04/21/2025<br>DT: 05/09/2025   |  |                          |
| SEE SHEET 1<br>DARREN TOWSE/END<br>PROFESSOR OF SURVEYING<br>FLORIDA CERTIFICATE NO. 4676   |  | DATE: 05/09/2025  |  |                          |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE APPROVED BY THE ORIGINAL SURVEYING AND ENGINEERING FIRM. THIS DRAWING IS NOT VALID FOR CONSTRUCTION. |  | SHEET: 37<br>OF: 43   |  |                          |
| PROJECT NO.: 24-1940_PHS07<br>COUNTY: CHARLOTTE<br>TOWNSHIP: S<br>RANGE: E  |  | SHEET: 37<br>OF: 43   |  |                          |



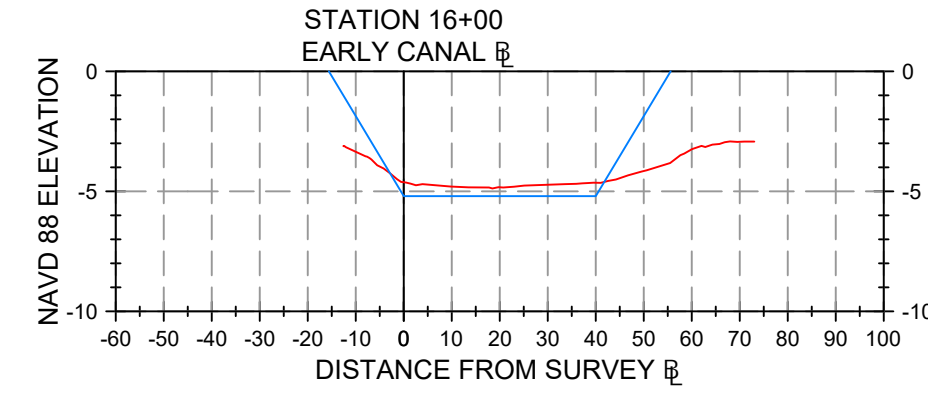
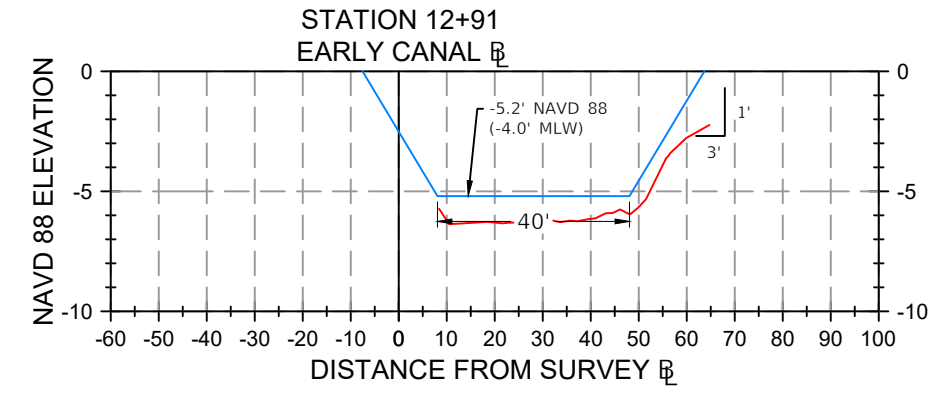
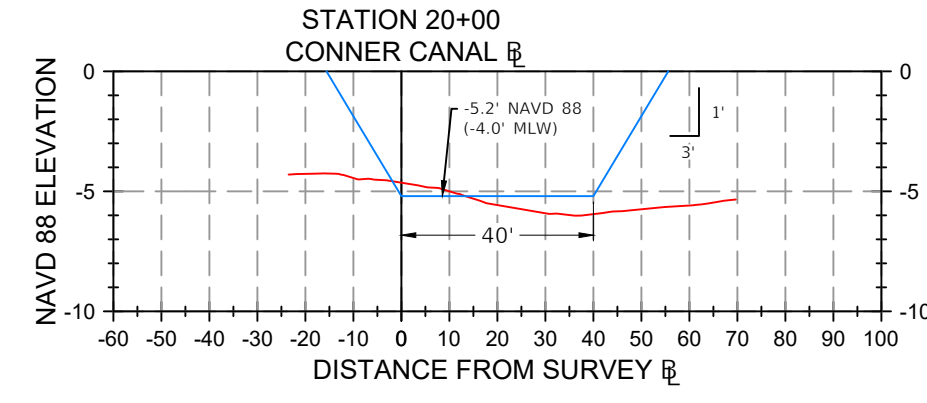
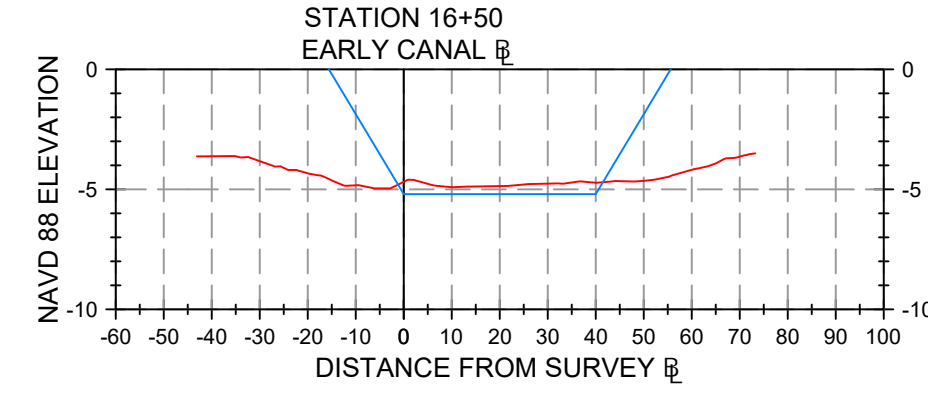
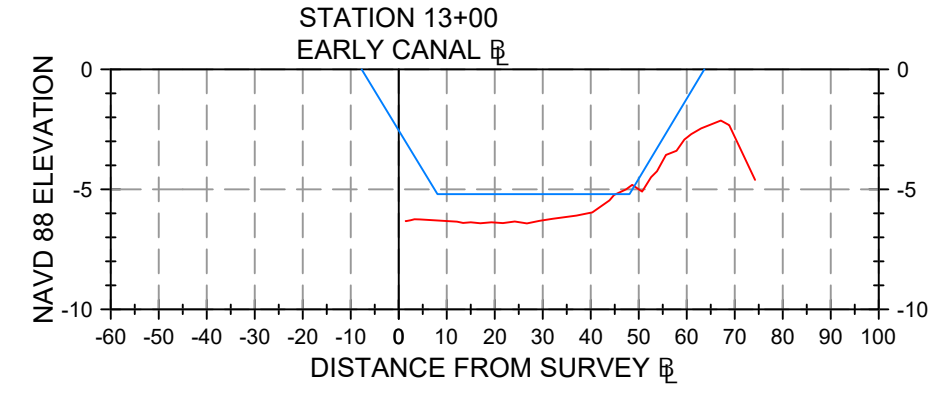
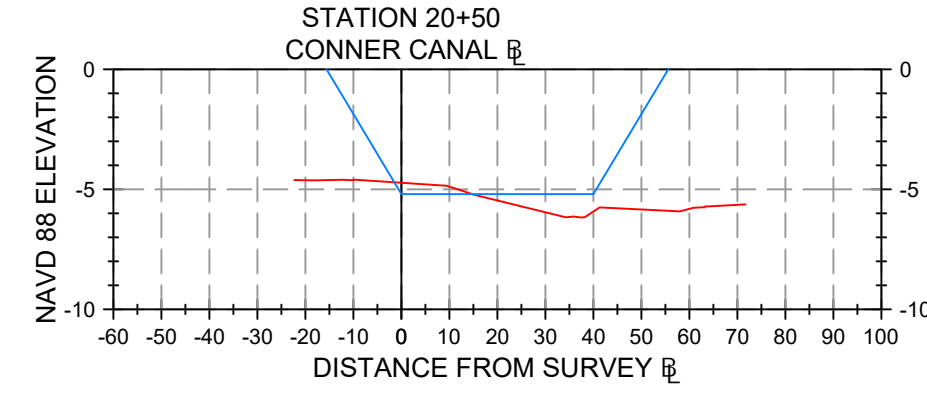
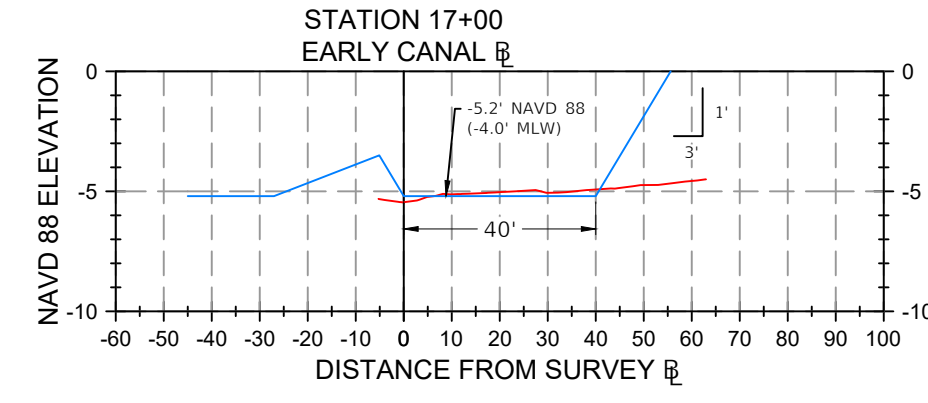
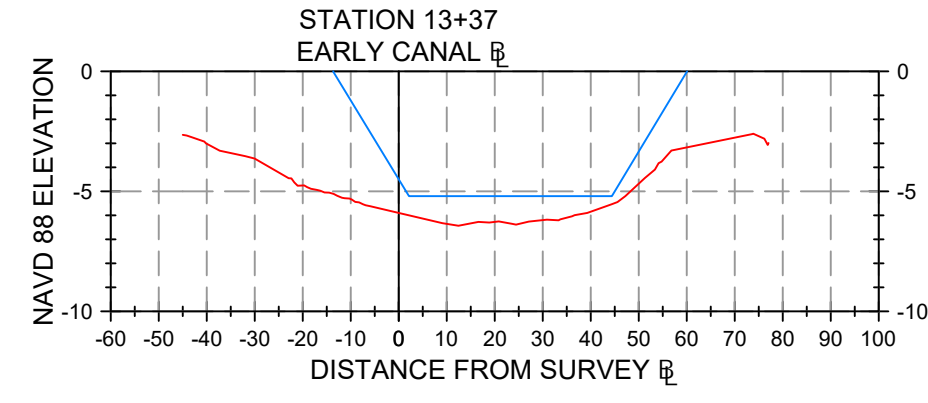
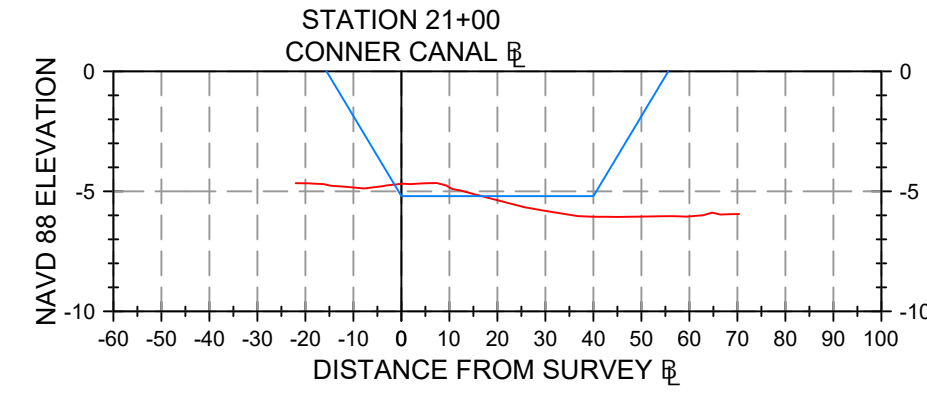
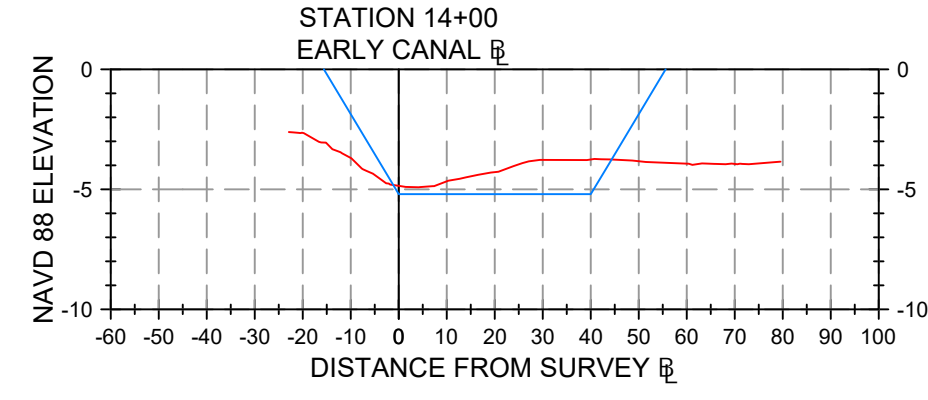
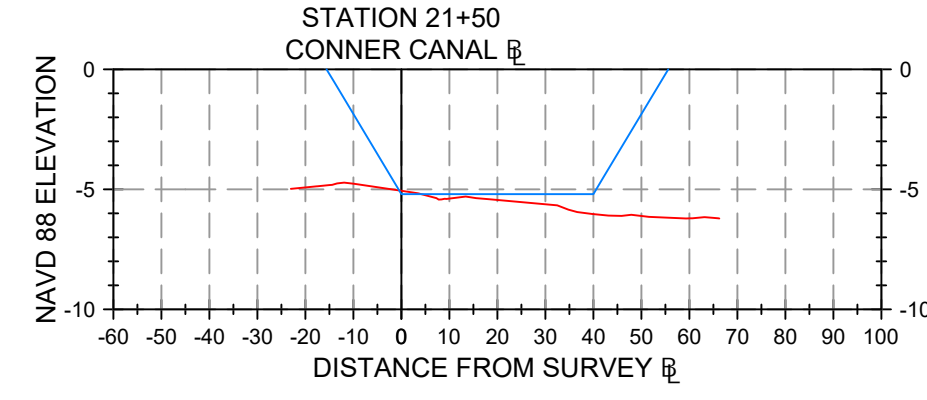
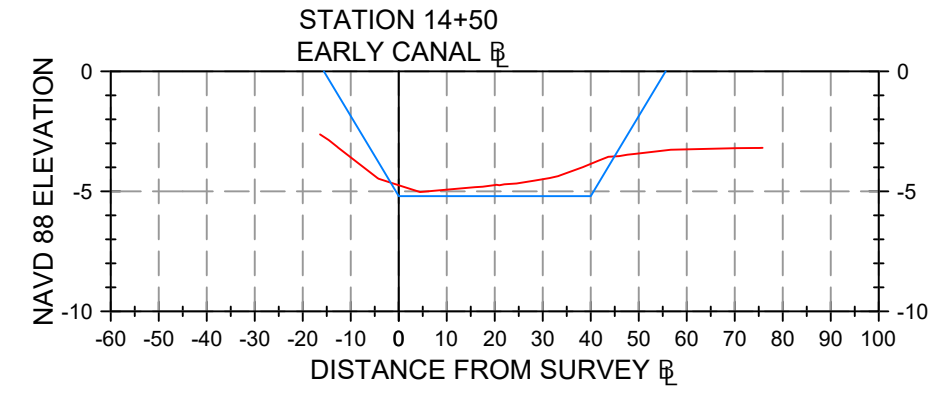
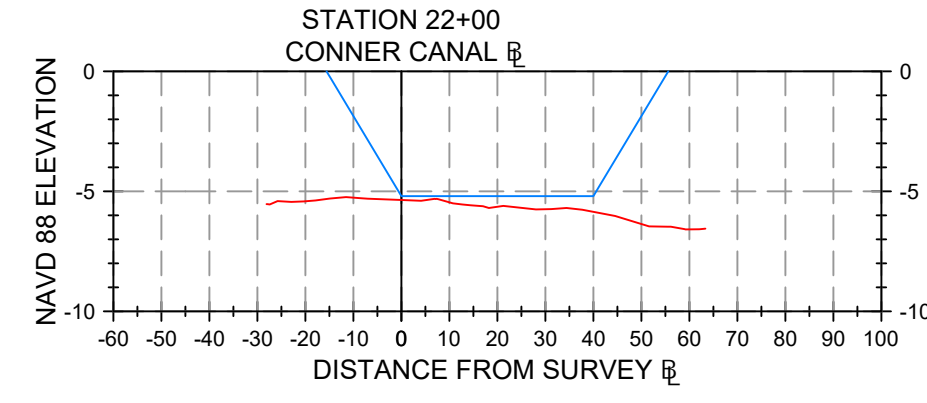
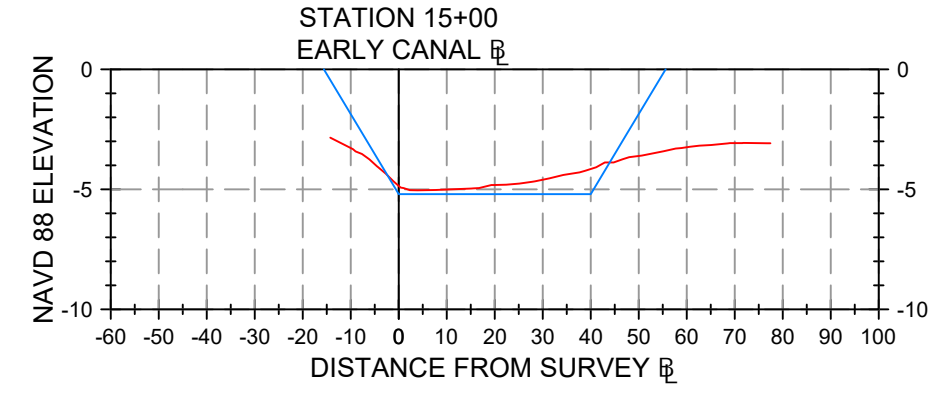
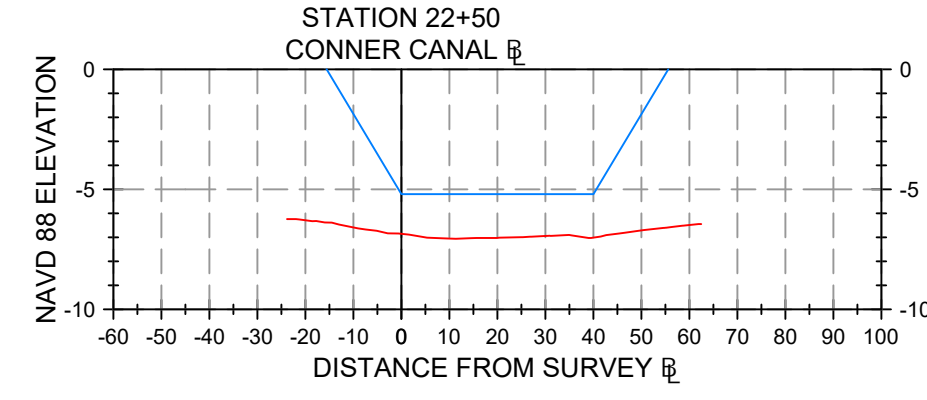
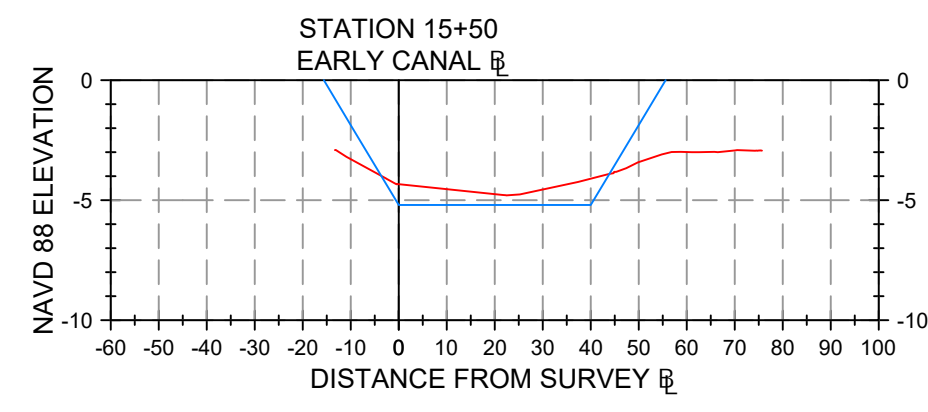
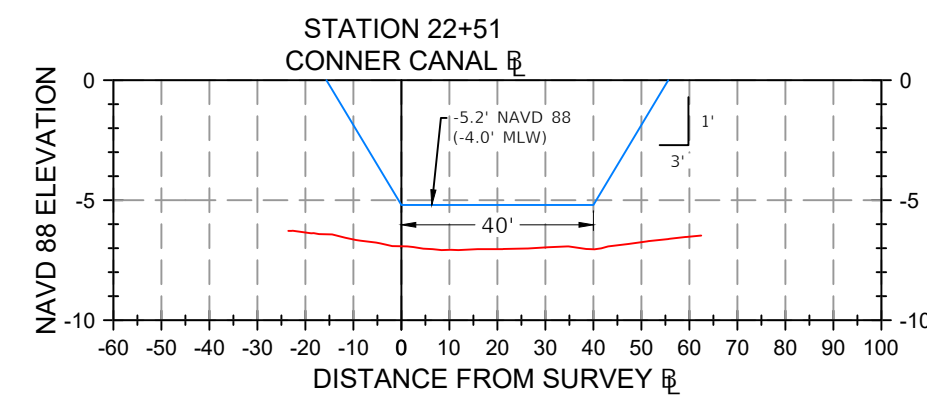
SECTION SHEET LEGEND:  
 — = BASELINE  
 — = EXISTING BOTTOM SURFACE  
 — = DREDGE TEMPLATE  
 MLW = MEAN LOW WATER  
 NAVD 88 = NORTH AMERICAN DATUM OF 1988

SCALE:  
 HORIZONTAL 1" = 40'  
 VERTICAL SCALE 1" = 8'

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA



| NO. | DATE | BY | REVISIONS |
|-----|------|----|-----------|
| 1   |      |    |           |
| 2   |      |    |           |
| 3   |      |    |           |
| 4   |      |    |           |
| 5   |      |    |           |
| 6   |      |    |           |
| 7   |      |    |           |

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PROJECT NAME: W08 322 PRE-STORM BATHYMETRIC SURVEYS  
 PREPARED BY: AIM ENGINEERING & SURVEYING, INC.  
 SEE SHEET 1  
 DARREN TOWSE/END MAPPER  
 PROFESSOR  
 FLORIDA CERTIFICATE NO. 4676  
 300 N. WILSON BLVD., SUITE 200, TAMPA, FL 33604

**AIM Engineering & Surveying, Inc.**  
 CIVIL \* SANITARY \* TRANSPORTATION \* DEVELOPMENT \* PROJECT MANAGEMENT  
 TOLL FREE 800-376-4569  
 3151 FOWLER STREET, SUITE 100  
 FORT MYERS, FLORIDA 33901  
 www.aimengr.com

CERTIFICATE OF AUTHORIZATION No. 3114  
 DATE: 04/21/2025  
 DT: 05/09/2025

DRAWN: RH  
 CHECKED: DT

CLIENT: CHARLOTTE COUNTY

|             |               |       |          |       |   |
|-------------|---------------|-------|----------|-------|---|
| PROJECT NO. | FILE NAME     | SHEET | TOWNSHIP | RANGE | E |
| 24-1940     | 24-1940_P1307 | 39    | S        |       |   |
| COUNTY:     | SECTION:      | SHEET |          |       |   |
| CHARLOTTE   | CHARLOTTE     | 39    |          |       |   |
| OR          |               | 43    |          |       |   |

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA

#### ACCESS 1 WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 100+00                        | 0                           | 0         | 0                    |
| 100+50                        | 50                          | 67        | 67                   |
| 101+00                        | 50                          | 55        | 122                  |
| 101+50                        | 50                          | 17        | 139                  |
| 102+00                        | 50                          | 0         | 139                  |
| 102+50                        | 50                          | 0         | 139                  |
| 103+00                        | 50                          | 0         | 139                  |
| 103+50                        | 50                          | 0         | 139                  |
| 104+00                        | 50                          | 0         | 139                  |
| 104+50                        | 50                          | 0         | 139                  |
| 105+00                        | 50                          | 0         | 139                  |
| 105+50                        | 50                          | 0         | 139                  |
| 106+00                        | 50                          | 0         | 139                  |
| 106+50                        | 50                          | 0         | 139                  |
| 107+00                        | 50                          | 0         | 139                  |
| 107+50                        | 50                          | 0         | 139                  |
| 108+00                        | 50                          | 0         | 139                  |
| 108+50                        | 50                          | 0         | 139                  |
| 109+00                        | 50                          | 0         | 139                  |
| 109+50                        | 50                          | 0         | 139                  |
| 110+00                        | 50                          | 0         | 139                  |
| 110+50                        | 50                          | 0         | 139                  |
| 111+00                        | 50                          | 0         | 139                  |
| 111+50                        | 50                          | 0         | 139                  |
| 112+00                        | 50                          | 0         | 139                  |
| 112+50                        | 50                          | 0         | 139                  |
| 113+00                        | 50                          | 0         | 139                  |
| 113+50                        | 50                          | 0         | 139                  |
| 114+00                        | 50                          | 0         | 139                  |
| 114+50                        | 50                          | 0         | 139                  |
| 115+00                        | 50                          | 0         | 139                  |
| 115+50                        | 50                          | 2         | 141                  |
| 116+00                        | 50                          | 6         | 146                  |
| 116+50                        | 50                          | 14        | 160                  |
| 117+00                        | 50                          | 6         | 166                  |
| 117+50                        | 50                          | 12        | 178                  |
| 118+00                        | 50                          | 5         | 183                  |
| 118+50                        | 50                          | 0         | 183                  |
| 119+00                        | 50                          | 0         | 183                  |
| 119+50                        | 50                          | 0         | 183                  |
| 120+00                        | 50                          | 0         | 183                  |
| 120+50                        | 50                          | 0         | 183                  |
| 121+00                        | 50                          | 0         | 183                  |
| 121+50                        | 50                          | 0         | 183                  |
| 131+00                        | 950                         | 1         | 183                  |
| 131+50                        | 50                          | 126       | 310                  |
| 132+00                        | 50                          | 108       | 417                  |
| 132+50                        | 50                          | 95        | 512                  |
| 133+00                        | 50                          | 85        | 598                  |
| 133+50                        | 50                          | 88        | 686                  |
| 134+00                        | 50                          | 79        | 765                  |
| 134+50                        | 50                          | 79        | 844                  |
| 135+00                        | 50                          | 91        | 935                  |
| 135+50                        | 50                          | 83        | 1019                 |
| 136+00                        | 50                          | 64        | 1083                 |

**ACCESS 1 TOTAL CY = 1160**  
(CALCULATED USING COMPOSITE METHOD)

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 136+50                        | 50                          | 34        | 1117                 |
| 137+00                        | 50                          | 18        | 1135                 |
| 137+50                        | 50                          | 7         | 1142                 |
| 138+00                        | 50                          | 1         | 1143                 |
| 138+50                        | 50                          | 2         | 1145                 |
| 139+00                        | 50                          | 4         | 1149                 |
| 139+50                        | 50                          | 2         | 1151                 |
| 140+00                        | 50                          | 1         | 1152                 |
| 140+50                        | 50                          | 1         | 1153                 |
| 141+00                        | 50                          | 3         | 1156                 |
| 141+50                        | 50                          | 1         | 1157                 |
| 142+00                        | 50                          | 0         | 1157                 |
| 142+50                        | 50                          | 0         | 1157                 |
| 143+00                        | 50                          | 0         | 1157                 |
| 143+50                        | 50                          | 3         | 1160                 |
| 144+00                        | 50                          | 0         | 1160                 |
| 144+50                        | 50                          | 0         | 1160                 |
| 145+00                        | 50                          | 0         | 1160                 |
| 145+50                        | 50                          | 0         | 1160                 |
| 146+00                        | 50                          | 0         | 1160                 |
| 146+50                        | 50                          | 0         | 1160                 |
| 147+00                        | 50                          | 0         | 1160                 |
| 147+50                        | 50                          | 0         | 1160                 |
| 148+00                        | 50                          | 0         | 1160                 |
| 148+50                        | 50                          | 0         | 1160                 |
| 149+00                        | 50                          | 0         | 1160                 |
| 149+50                        | 50                          | 0         | 1160                 |
| 150+00                        | 50                          | 0         | 1160                 |
| 150+50                        | 50                          | 0         | 1160                 |
| 151+00                        | 50                          | 0         | 1160                 |
| 151+50                        | 50                          | 0         | 1160                 |
| 151+70                        | 20                          | 0         | 1160                 |

#### ANDERSON WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 9+44                          | 0                           | 0         | 0                    |
| 9+50                          | 6                           | 0         | 0                    |
| 10+00                         | 50                          | 15        | 16                   |
| 10+50                         | 50                          | 28        | 44                   |
| 11+00                         | 50                          | 78        | 122                  |
| 11+50                         | 50                          | 113       | 235                  |
| 11+56                         | 6                           | 9         | 244                  |

**ANDERSON TOTAL CY = 244**  
(CALCULATED USING AVERAGE END AREA METHOD)

#### CHILCOTE WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 8+42                          | 0                           | 0         | 0                    |
| 8+50                          | 8                           | 2         | 2                    |
| 9+00                          | 50                          | 5         | 7                    |
| 9+50                          | 50                          | 8         | 15                   |
| 10+00                         | 50                          | 8         | 23                   |
| 10+13                         | 13                          | 0         | 23                   |

**CHILCOTE TOTAL CY = 23**  
(CALCULATED USING AVERAGE END AREA METHOD)

#### PAPPAS WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 8+56                          | 0                           | 0         | 0                    |
| 9+00                          | 44                          | 1         | 1                    |
| 9+50                          | 50                          | 24        | 25                   |
| 9+92                          | 42                          | 0         | 25                   |

**PAPPAS TOTAL CY = 25**  
(CALCULATED USING COMPOSITE METHOD)

#### RISKEN WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 7+87                          | 0                           | 0         | 0                    |
| 8+00                          | 13                          | 1         | 1                    |
| 8+50                          | 50                          | 19        | 20                   |
| 9+00                          | 50                          | 66        | 86                   |
| 9+50                          | 50                          | 36        | 123                  |
| 9+95                          | 45                          | 0         | 123                  |

**RISKEN TOTAL CY = 123**  
(CALCULATED USING PRISMODIAL METHOD)

#### VANCE WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 10+72                         | 0                           | 0         | 0                    |
| 11+00                         | 28                          | 3         | 3                    |
| 11+50                         | 50                          | 77        | 80                   |
| 12+00                         | 50                          | 149       | 229                  |
| 12+50                         | 50                          | 158       | 388                  |
| 13+00                         | 50                          | 85        | 473                  |
| 13+50                         | 50                          | 4         | 477                  |
| 14+00                         | 50                          | 0         | 477                  |
| 14+50                         | 50                          | 0         | 477                  |
| 14+82                         | 32                          | 0         | 477                  |

**VANCE TOTAL CY = 477**  
(CALCULATED USING AVERAGE END AREA METHOD)

#### HERRON WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 10+31                         | 0                           | 0         | 0                    |
| 10+50                         | 19                          | 11        | 11                   |
| 11+00                         | 50                          | 55        | 66                   |
| 11+50                         | 50                          | 96        | 162                  |
| 12+00                         | 50                          | 113       | 275                  |
| 12+50                         | 50                          | 122       | 398                  |
| 13+00                         | 50                          | 108       | 506                  |
| 13+50                         | 50                          | 72        | 578                  |
| 14+00                         | 50                          | 30        | 607                  |
| 14+50                         | 50                          | 5         | 612                  |
| 15+00                         | 50                          | 0         | 613                  |
| 15+50                         | 50                          | 0         | 613                  |
| 16+00                         | 50                          | 0         | 613                  |
| 16+19                         | 19                          | 0         | 613                  |

**HERRON TOTAL CY = 613**  
(CALCULATED USING PRISMODIAL METHOD)

#### QUAIL WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 9+52                          | 0                           | 0         | 0                    |
| 10+00                         | 48                          | 39        | 39                   |
| 10+50                         | 50                          | 26        | 65                   |
| 11+00                         | 50                          | 105       | 170                  |
| 11+50                         | 50                          | 113       | 283                  |
| 12+00                         | 50                          | 71        | 354                  |
| 12+50                         | 50                          | 64        | 418                  |
| 13+00                         | 50                          | 95        | 514                  |
| 13+50                         | 50                          | 123       | 637                  |
| 14+00                         | 50                          | 128       | 765                  |
| 14+10                         | 10                          | 25        | 790                  |

**QUAIL TOTAL CY = 790**  
(CALCULATED USING COMPOSITE METHOD)

#### DIXON WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 6+57                          | 0                           | 0         | 0                    |
| 7+00                          | 43                          | 46        | 46                   |
| 7+50                          | 50                          | 74        | 120                  |
| 7+87                          | 37                          | 70        | 190                  |

**DIXON TOTAL CY = 190**  
(CALCULATED USING AVERAGE END AREA METHOD)

|   |   |                     |                 |                   |   |
|---|---|---------------------|-----------------|-------------------|---|
| PROJECT NAME:<br>WOP 322 PRE-STORM BATHYMETRIC SURVEYS  | PREPARED BY:<br>AIM ENGINEERING & SURVEYING, INC. | DATE:<br>05/09/2025 | DRAWN BY:<br>RH | CHECKED BY:<br>DT | REVISIONS:<br>No. 1<br>2<br>3<br>4<br>5<br>6<br>7 |
| ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE APPROVED BY THE PROJECT ENGINEER AND SURVEYING, INC. IS PROHIBITED. |   |                     |                 |                   |   |
| FIELD BOOK: SEE NOTE 11   |   |                     |                 |                   |   |
| PROJECT ENGINEER:<br><b>DARREN TOWNSEND</b><br>PROFESSOR<br>FLORIDA CERTIFICATE NO. 6676  |   |                     |                 |                   |   |
| PROJECT MANAGER:<br><b>DARREN TOWNSEND</b><br>PROFESSOR<br>FLORIDA CERTIFICATE NO. 6676   |   |                     |                 |                   |   |
| CLIENT:<br>CHARLOTTE COUNTY   |   |                     |                 |                   |   |
| PROJECT NO.:<br>24-1940-PS007   |   |                     |                 |                   |   |
| COUNTY:<br>CHARLOTTE  |   |                     |                 |                   |   |
| SECTION:<br>S   |   |                     |                 |                   |   |
| SHEET:<br><b>40</b>   |   |                     |                 |                   |   |
| OR<br>43  |   |                     |                 |                   |   |

# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA

#### KLASS WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 5+66                          | 0                           | 0         | 0                    |
| 6+00                          | 34                          | 34        | 34                   |
| 6+50                          | 50                          | 54        | 87                   |
| 7+00                          | 50                          | 68        | 155                  |
| 7+50                          | 50                          | 84        | 240                  |
| 8+00                          | 50                          | 72        | 311                  |
| 8+17                          | 17                          | 28        | 340                  |

**KLASS TOTAL CY = 340**  
(CALCULATED USING AVERAGE END AREA METHOD)

#### MAUCK WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 5+41                          | 0                           | 0         | 0                    |
| 5+50                          | 9                           | 10        | 10                   |
| 6+00                          | 50                          | 55        | 65                   |
| 6+50                          | 50                          | 47        | 112                  |
| 7+00                          | 50                          | 102       | 215                  |
| 7+50                          | 50                          | 131       | 345                  |
| 8+00                          | 50                          | 122       | 467                  |
| 8+50                          | 50                          | 63        | 531                  |
| 8+91                          | 41                          | 21        | 552                  |

**MAUCK TOTAL CY = 552**  
(CALCULATED USING COMPOSITE METHOD)

#### COLE WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 7+88                          | 0                           | 0         | 0                    |
| 8+00                          | 12                          | 15        | 15                   |
| 8+50                          | 50                          | 55        | 69                   |
| 9+00                          | 50                          | 39        | 108                  |
| 9+50                          | 50                          | 27        | 135                  |
| 9+85                          | 35                          | 22        | 157                  |

**COLE TOTAL CY = 157**  
(CALCULATED USING COMPOSITE METHOD)

#### ACCESS 2 WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 200+00                        | 0                           | 0         | 0                    |
| 200+50                        | 50                          | 33        | 33                   |
| 201+00                        | 50                          | 2         | 36                   |
| 201+50                        | 50                          | 1         | 36                   |
| 202+00                        | 50                          | 0         | 36                   |
| 202+50                        | 50                          | 0         | 36                   |
| 203+00                        | 50                          | 3         | 39                   |
| 203+50                        | 50                          | 13        | 52                   |
| 204+00                        | 50                          | 7         | 59                   |
| 204+50                        | 50                          | 9         | 68                   |
| 205+00                        | 50                          | 13        | 80                   |
| 205+50                        | 50                          | 8         | 88                   |
| 206+00                        | 50                          | 2         | 90                   |
| 206+50                        | 50                          | 0         | 90                   |
| 207+00                        | 50                          | 0         | 90                   |
| 207+50                        | 50                          | 0         | 90                   |
| 208+00                        | 50                          | 0         | 90                   |
| 208+50                        | 50                          | 0         | 90                   |
| 209+00                        | 50                          | 0         | 90                   |
| 209+50                        | 50                          | 0         | 90                   |
| 209+60                        | 10                          | 0         | 90                   |

**ACCESS 2 TOTAL CY = 90**  
(CALCULATED USING COMPOSITE METHOD)

#### KROME WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 7+41                          | 0                           | 0         | 0                    |
| 7+50                          | 9                           | 2         | 2                    |
| 8+00                          | 50                          | 20        | 22                   |
| 8+50                          | 50                          | 33        | 55                   |
| 9+00                          | 50                          | 40        | 95                   |
| 9+50                          | 50                          | 45        | 139                  |
| 10+00                         | 50                          | 47        | 186                  |
| 10+50                         | 50                          | 35        | 221                  |
| 11+00                         | 50                          | 22        | 243                  |
| 11+50                         | 50                          | 19        | 262                  |
| 12+00                         | 50                          | 18        | 280                  |
| 12+50                         | 50                          | 7         | 287                  |
| 13+00                         | 50                          | 1         | 288                  |
| 13+50                         | 50                          | 0         | 288                  |
| 14+00                         | 50                          | 0         | 288                  |
| 14+50                         | 50                          | 0         | 288                  |
| 15+00                         | 50                          | 0         | 288                  |
| 15+50                         | 50                          | 0         | 288                  |
| 16+00                         | 50                          | 0         | 288                  |
| 16+50                         | 50                          | 0         | 288                  |
| 17+00                         | 50                          | 0         | 288                  |
| 17+50                         | 50                          | 0         | 288                  |
| 18+00                         | 50                          | 0         | 288                  |

**KROME TOTAL CY = 288**  
(CALCULATED USING COMPOSITE METHOD)

#### CURRY WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 5+29                          | 0                           | 0         | 0                    |
| 5+50                          | 21                          | 19        | 19                   |
| 6+00                          | 50                          | 71        | 89                   |
| 6+50                          | 50                          | 117       | 207                  |
| 7+00                          | 50                          | 124       | 331                  |
| 7+50                          | 50                          | 86        | 417                  |
| 8+00                          | 50                          | 38        | 454                  |
| 8+06                          | 6                           | 2         | 456                  |

**CURRY TOTAL CY = 456**  
(CALCULATED USING PRISMODIAL METHOD)

#### PAAR WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 3+99                          | 0                           | 0         | 0                    |
| 4+00                          | 1                           | 1         | 1                    |
| 4+50                          | 50                          | 74        | 75                   |
| 5+00                          | 50                          | 66        | 141                  |
| 5+50                          | 50                          | 56        | 196                  |
| 6+00                          | 50                          | 90        | 286                  |
| 6+50                          | 50                          | 119       | 406                  |
| 7+00                          | 50                          | 93        | 498                  |
| 7+50                          | 50                          | 78        | 577                  |
| 8+00                          | 50                          | 68        | 645                  |
| 8+50                          | 50                          | 42        | 687                  |
| 9+00                          | 50                          | 20        | 707                  |
| 9+50                          | 50                          | 23        | 731                  |
| 10+00                         | 50                          | 29        | 759                  |
| 10+50                         | 50                          | 19        | 779                  |
| 11+00                         | 50                          | 9         | 787                  |
| 11+50                         | 50                          | 6         | 794                  |
| 12+00                         | 50                          | 6         | 800                  |
| 12+50                         | 50                          | 11        | 811                  |
| 13+00                         | 50                          | 19        | 830                  |
| 13+50                         | 50                          | 15        | 846                  |
| 13+90                         | 40                          | 8         | 854                  |

**PAAR TOTAL CY = 854**  
(CALCULATED USING PRISMODIAL METHOD)

#### MINOT WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 9+22                          | 0                           | 0         | 0                    |
| 9+50                          | 28                          | 23        | 23                   |
| 10+00                         | 50                          | 28        | 51                   |
| 10+50                         | 50                          | 5         | 56                   |
| 11+00                         | 50                          | 9         | 65                   |
| 11+50                         | 50                          | 17        | 82                   |
| 12+00                         | 50                          | 21        | 103                  |
| 12+50                         | 50                          | 32        | 135                  |
| 13+00                         | 50                          | 33        | 168                  |
| 13+50                         | 50                          | 29        | 197                  |
| 14+00                         | 50                          | 27        | 224                  |
| 14+50                         | 50                          | 26        | 250                  |
| 14+80                         | 30                          | 23        | 272                  |

**MINOT TOTAL CY = 272**  
(CALCULATED USING COMPOSITE METHOD)

#### QUINLAN WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 7+00                          | 0                           | 0         | 0                    |
| 7+00                          | 0                           | 0         | 0                    |
| 7+50                          | 50                          | 55        | 55                   |
| 8+00                          | 50                          | 50        | 105                  |
| 8+50                          | 50                          | 46        | 151                  |
| 9+00                          | 50                          | 60        | 211                  |
| 9+50                          | 50                          | 60        | 271                  |
| 10+00                         | 50                          | 56        | 327                  |
| 10+50                         | 50                          | 47        | 374                  |
| 11+00                         | 50                          | 28        | 402                  |
| 11+50                         | 50                          | 43        | 445                  |
| 12+00                         | 50                          | 42        | 487                  |
| 12+50                         | 50                          | 27        | 514                  |
| 13+00                         | 50                          | 28        | 542                  |
| 13+50                         | 50                          | 16        | 559                  |
| 14+00                         | 50                          | 4         | 563                  |
| 14+20                         | 20                          | 0         | 563                  |

**QUINLAN TOTAL CY = 563**  
(CALCULATED USING COMPOSITE METHOD)

#### STONE WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 5+42                          | 0                           | 0         | 0                    |
| 5+50                          | 8                           | 7         | 7                    |
| 6+00                          | 50                          | 43        | 51                   |
| 6+50                          | 50                          | 52        | 103                  |
| 7+00                          | 50                          | 79        | 182                  |
| 7+50                          | 50                          | 80        | 262                  |
| 8+00                          | 50                          | 51        | 313                  |
| 8+36                          | 36                          | 24        | 338                  |

**STONE TOTAL CY = 340**  
(CALCULATED USING AVERAGE END AREA METHOD)

#### PRATHER WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 3+46                          | 0                           | 0         | 0                    |
| 3+50                          | 4                           | 2         | 2                    |
| 4+00                          | 50                          | 34        | 37                   |
| 4+50                          | 50                          | 40        | 77                   |
| 5+00                          | 50                          | 45        | 122                  |
| 5+50                          | 50                          | 57        | 179                  |
| 6+00                          | 50                          | 59        | 238                  |
| 6+50                          | 50                          | 50        | 288                  |
| 7+00                          | 50                          | 37        | 325                  |
| 7+50                          | 50                          | 21        | 347                  |
| 8+00                          | 50                          | 6         | 353                  |
| 8+50                          | 50                          | 1         | 354                  |
| 9+00                          | 50                          | 0         | 354                  |
| 9+50                          | 50                          | 1         | 355                  |
| 10+00                         | 50                          | 1         | 356                  |
| 10+50                         | 50                          | 0         | 356                  |
| 10+81                         | 31                          | 0         | 356                  |

**PRATHER TOTAL CY = 356**  
(CALCULATED USING AVERAGE END AREA METHOD)

|   |  |  |                            |   |                     |
|---|--|--|----------------------------|---|---------------------|
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 | ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND THE ORIGINAL SURVEYING DATA. INC. IS PROHIBITED.     | FIELD BOOK:<br>SEE NOTE 11 | REVISIONS:<br>No. 1<br>No. 2<br>No. 3<br>No. 4<br>No. 5<br>No. 6<br>No. 7 | DATE:<br>05/09/2025 |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
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| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
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| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET 1</b><br>DARREN TOWSE/END MAPPER<br>PROFESSIONAL ENGINEER<br>FLORIDA CERTIFICATE NO. PA 6676 |                            | DATE:<br>05/09/2025   |                     |
| PROJECT NAME<br>W04 322 PRE-STORM BATHYMETRIC SURVEYS |  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br><b>SEE SHEET </b>   |                            |   |                     |



# HYDROGRAPHIC SURVEY

## GULF COVE WATERWAYS

### CHARLOTTE COUNTY, FLORIDA

#### LATHAM WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 8+04                          | 0                           | 0         | 0                    |
| 8+50                          | 46                          | 0         | 0                    |
| 9+00                          | 50                          | 0         | 0                    |
| 9+50                          | 50                          | 1         | 1                    |
| 10+00                         | 50                          | 1         | 2                    |
| 10+50                         | 50                          | 3         | 5                    |
| 11+00                         | 50                          | 2         | 7                    |
| 11+50                         | 50                          | 0         | 7                    |
| 12+00                         | 50                          | 0         | 7                    |
| 12+50                         | 50                          | 0         | 7                    |
| 13+00                         | 50                          | 0         | 7                    |
| 13+50                         | 50                          | 0         | 8                    |
| 14+00                         | 50                          | 1         | 9                    |
| 14+50                         | 50                          | 3         | 12                   |
| 15+00                         | 50                          | 0         | 12                   |
| 15+50                         | 50                          | 5         | 17                   |
| 16+00                         | 50                          | 9         | 26                   |
| 16+50                         | 50                          | 5         | 31                   |
| 17+00                         | 50                          | 1         | 33                   |
| 17+50                         | 50                          | 0         | 33                   |
| 18+00                         | 50                          | 0         | 33                   |
| 18+50                         | 50                          | 0         | 33                   |
| 19+00                         | 50                          | 0         | 33                   |
| 19+50                         | 50                          | 0         | 33                   |
| 20+00                         | 50                          | 0         | 33                   |
| 20+50                         | 50                          | 0         | 33                   |
| 21+00                         | 50                          | 0         | 33                   |
| 21+50                         | 50                          | 0         | 33                   |
| 22+00                         | 50                          | 0         | 33                   |

LATHAM TOTAL CY = 33  
(CALCULATED USING COMPOSITE METHOD)

#### ACCESS 3 WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 300+00                        | 0                           | 0         | 0                    |
| 300+50                        | 50                          | 1         | 1                    |
| 301+00                        | 50                          | 13        | 14                   |
| 301+50                        | 50                          | 8         | 22                   |
| 302+00                        | 50                          | 4         | 26                   |
| 302+50                        | 50                          | 3         | 30                   |
| 303+00                        | 50                          | 1         | 31                   |
| 303+50                        | 50                          | 9         | 40                   |
| 304+00                        | 50                          | 13        | 53                   |
| 304+50                        | 50                          | 3         | 56                   |
| 305+00                        | 50                          | 2         | 58                   |
| 305+50                        | 50                          | 2         | 60                   |
| 306+00                        | 50                          | 4         | 64                   |
| 306+50                        | 50                          | 6         | 70                   |
| 307+00                        | 50                          | 6         | 76                   |
| 307+50                        | 50                          | 3         | 80                   |
| 308+00                        | 50                          | 3         | 82                   |
| 308+50                        | 50                          | 3         | 85                   |
| 309+00                        | 50                          | 3         | 88                   |
| 309+50                        | 50                          | 2         | 91                   |
| 310+00                        | 50                          | 8         | 99                   |
| 310+50                        | 50                          | 2         | 101                  |
| 311+00                        | 50                          | 6         | 107                  |
| 311+50                        | 50                          | 7         | 113                  |
| 312+00                        | 50                          | 2         | 116                  |
| 312+50                        | 50                          | 0         | 116                  |
| 313+00                        | 50                          | 0         | 116                  |
| 313+50                        | 50                          | 0         | 116                  |
| 314+00                        | 50                          | 0         | 116                  |
| 314+50                        | 50                          | 1         | 117                  |
| 315+00                        | 50                          | 2         | 119                  |
| 315+50                        | 50                          | 3         | 122                  |
| 316+00                        | 50                          | 4         | 125                  |
| 316+35                        | 35                          | 3         | 128                  |

ACCESS 3 TOTAL CY = 128  
(CALCULATED USING COMPOSITE METHOD)

#### FLEMING WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 9+71                          | 0                           | 0         | 0                    |
| 10+00                         | 29                          | 3         | 3                    |
| 10+50                         | 50                          | 13        | 16                   |
| 11+00                         | 50                          | 27        | 43                   |
| 11+50                         | 50                          | 23        | 67                   |
| 12+00                         | 50                          | 23        | 89                   |
| 12+50                         | 50                          | 21        | 111                  |
| 13+00                         | 50                          | 22        | 133                  |
| 13+50                         | 50                          | 26        | 159                  |
| 14+00                         | 50                          | 17        | 176                  |
| 14+30                         | 30                          | 4         | 180                  |

FLEMING TOTAL CY = 180  
(CALCULATED USING COMPOSITE METHOD)

#### BOYLE WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 9+48                          | 0                           | 0         | 0                    |
| 9+50                          | 2                           | 0         | 0                    |
| 10+00                         | 50                          | 0         | 0                    |
| 10+50                         | 50                          | 0         | 0                    |
| 11+00                         | 50                          | 2         | 2                    |
| 11+50                         | 50                          | 4         | 6                    |
| 12+00                         | 50                          | 10        | 16                   |
| 12+50                         | 50                          | 15        | 31                   |
| 13+00                         | 50                          | 8         | 39                   |
| 13+50                         | 50                          | 5         | 44                   |
| 14+00                         | 50                          | 10        | 54                   |
| 14+50                         | 50                          | 15        | 69                   |
| 15+00                         | 50                          | 17        | 86                   |
| 15+27                         | 27                          | 8         | 95                   |

BOYLE TOTAL CY = 95  
(CALCULATED USING AVERAGE END AREA METHOD)

#### COOPER WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 10+90                         | 0                           | 0         | 0                    |
| 11+00                         | 10                          | 1         | 1                    |
| 11+50                         | 50                          | 0         | 1                    |
| 12+00                         | 50                          | 0         | 1                    |
| 12+50                         | 50                          | 0         | 1                    |
| 13+00                         | 50                          | 12        | 12                   |
| 13+50                         | 50                          | 3         | 15                   |
| 14+00                         | 50                          | 17        | 33                   |
| 14+50                         | 50                          | 17        | 50                   |
| 15+00                         | 50                          | 18        | 68                   |
| 15+50                         | 50                          | 23        | 91                   |
| 16+00                         | 50                          | 27        | 117                  |
| 16+50                         | 50                          | 14        | 131                  |
| 16+67                         | 17                          | 2         | 134                  |

COOPER TOTAL CY = 134  
(CALCULATED USING COMPOSITE METHOD)

#### FORBES WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 12+20                         | 0                           | 0         | 0                    |
| 12+50                         | 30                          | 0         | 0                    |
| 13+00                         | 50                          | 0         | 0                    |
| 13+50                         | 50                          | 5         | 5                    |
| 14+00                         | 50                          | 17        | 22                   |
| 14+50                         | 50                          | 12        | 35                   |
| 15+00                         | 50                          | 43        | 77                   |
| 15+50                         | 50                          | 69        | 147                  |
| 16+00                         | 50                          | 56        | 202                  |
| 16+50                         | 50                          | 34        | 237                  |
| 17+00                         | 50                          | 24        | 261                  |
| 17+50                         | 50                          | 27        | 288                  |
| 17+94                         | 44                          | 29        | 316                  |

FORBES TOTAL CY = 316  
(CALCULATED USING COMPOSITE METHOD)

#### NEVILLE WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 14+42                         | 0                           | 0         | 0                    |
| 14+50                         | 8                           | 0         | 0                    |
| 15+00                         | 50                          | 4         | 4                    |
| 15+50                         | 50                          | 1         | 5                    |
| 16+00                         | 50                          | 36        | 41                   |
| 16+50                         | 50                          | 69        | 110                  |
| 17+00                         | 50                          | 65        | 175                  |
| 17+50                         | 50                          | 51        | 226                  |
| 18+00                         | 50                          | 61        | 287                  |
| 18+50                         | 50                          | 64        | 351                  |
| 19+00                         | 50                          | 66        | 417                  |
| 19+50                         | 50                          | 28        | 445                  |
| 20+00                         | 50                          | 15        | 460                  |
| 20+50                         | 50                          | 31        | 491                  |
| 21+00                         | 50                          | 25        | 516                  |
| 21+50                         | 50                          | 24        | 540                  |
| 22+00                         | 50                          | 18        | 559                  |
| 22+50                         | 50                          | 10        | 569                  |
| 23+00                         | 50                          | 4         | 573                  |
| 23+50                         | 50                          | 0         | 573                  |
| 24+00                         | 50                          | 0         | 573                  |

NEVILLE TOTAL CY = 573  
(CALCULATED USING COMPOSITE METHOD)

#### CONNER WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 13+31                         | 0                           | 0         | 0                    |
| 13+50                         | 19                          | 2         | 2                    |
| 14+00                         | 50                          | 7         | 9                    |
| 14+50                         | 50                          | 6         | 15                   |
| 15+00                         | 50                          | 3         | 18                   |
| 15+50                         | 50                          | 5         | 23                   |
| 16+00                         | 50                          | 7         | 30                   |
| 16+50                         | 50                          | 10        | 39                   |
| 17+00                         | 50                          | 13        | 52                   |
| 17+50                         | 50                          | 20        | 72                   |
| 18+00                         | 50                          | 14        | 85                   |
| 18+50                         | 50                          | 7         | 92                   |
| 19+00                         | 50                          | 6         | 99                   |
| 19+50                         | 50                          | 12        | 111                  |
| 20+00                         | 50                          | 14        | 125                  |
| 20+50                         | 50                          | 8         | 133                  |
| 21+00                         | 50                          | 14        | 148                  |
| 21+50                         | 50                          | 5         | 153                  |
| 22+00                         | 50                          | 0         | 153                  |
| 22+50                         | 50                          | 0         | 153                  |
| 22+51                         | 1                           | 0         | 153                  |

CONNER TOTAL CY = 153  
(CALCULATED USING COMPOSITE METHOD)

#### EARLY WATERWAY

| VOLUMES ABOVE DREDGE TEMPLATE |                             |           |                      |
|-------------------------------|-----------------------------|-----------|----------------------|
| STA.                          | DIST. (FT) TO PREVIOUS STA. | VOL. (CY) | CUMULATIVE VOL. (CY) |
| 12+91                         | 0                           | 0         | 0                    |
| 13+00                         | 9                           | 0         | 0                    |
| 13+37                         | 37                          | 0         | 0                    |
| 14+00                         | 63                          | 45        | 45                   |
| 14+50                         | 50                          | 67        | 112                  |
| 15+00                         | 50                          | 46        | 158                  |
| 15+50                         | 50                          | 46        | 204                  |
| 16+00                         | 50                          | 44        | 249                  |
| 16+50                         | 50                          | 35        | 284                  |
| 17+00                         | 50                          | 23        | 307                  |

EARLY TOTAL CY = 307  
(CALCULATED USING COMPOSITE METHOD)

COMBINED TOTAL CY = 11,849

|  |  |   |                            |  |  |
|--|--|---|----------------------------|--|--|
| PROJECT NAME<br>W0# 322 PRE-STORM BATHYMETRIC SURVEYS  | PREPARED BY: AM ENGINEERING & SURVEYING, INC.<br>SEE SHEET 1<br>DARREN TOWNSEND<br>PROFESSOR<br>FLORIDA CERTIFICATE NO. 6476 | ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE MADE BY THE ORIGINAL SURVEYOR AND APPROVED BY THE ORIGINAL SURVEYOR AND THE ORIGINAL SURVEYOR'S FIDELITY AND RESPONSIBILITY. | FIELD BOOK:<br>SEE NOTE 11 | REVISIONS:<br>NO. DATE BY  | DATE: 05/09/2025<br>DT<br>04/21/2025<br>RH<br>CHARLOTTE COUNTY |
| AIM Engineering & Surveying, Inc.<br>CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT<br>3151 FOWLER STREET, SUITE 100<br>FORT MYERS, FLORIDA 33901<br>www.aimengr.com |  | CERTIFICATE OF AUTHORIZATION No. 3114<br>TOLL FREE 800-376-4669<br>PHONE 239-332-4669   |                            | CLIENT:  |  |
| HYDROGRAPHIC SURVEY<br>GULF COVE WATERWAYS   |  | SHEET<br>43   |                            | PROJECT NO.: 24-1940 PH307<br>COUNTY: CHARLOTTE<br>TOWNSHIP: S<br>RANGE: E |  |