

HYDROGRAPHIC SURVEY

HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA

NOTES:

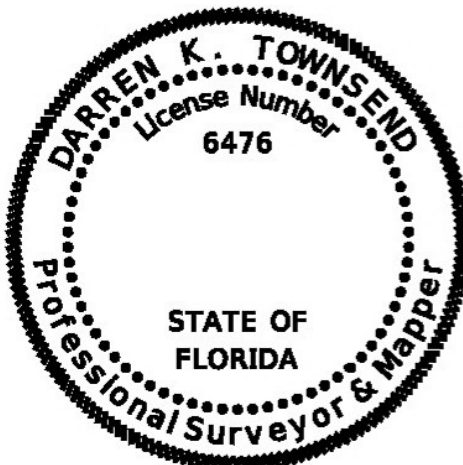
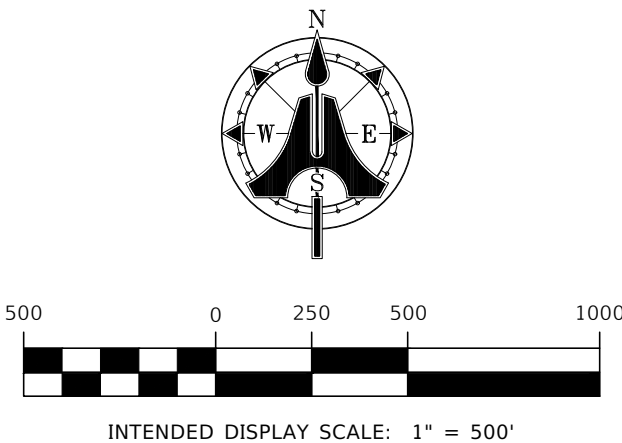
1. THE PURPOSE OF THIS HYDROGRAPHIC SURVEY IS TO: A.) DOCUMENT THE CURRENT DEPTHS OF A PORTION OF THE HARBOR HEIGHTS WATERWAYS; B.) DETERMINE THE VOLUME OF MATERIAL IN THE SURVEYED CHANNEL THAT IS ABOVE THE PERMITTED DREDGE DEPTH OF -6.1' NAVD 88 (-5.0' MLW). WITHIN THE PROJECT LIMITS, THE ELEVATIONS 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 "HARBOR HEIGHTS CHANNELS BATHYMETRIC SURVEY" BY COASTAL ENGINEERING CONSULTANTS INC. SIGNED SEPTEMBER 14, 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 5791.0" (PID DM3218). THE CONVERSION BETWEEN MLW AND NAVD 88 (MLW = -1.1 NAVD 88) IS BASED ON THE TIDAL DATUM REPORT FOR TIDE STATION 872.5791 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 0.4' +/- . THIS WAS TESTED BY COMPARING OVERLAPPING HYDROGRAPHIC DATA COLLECTED ON DIFFERENT DATES / 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 AUGUST 7TH THROUGH AUGUST 12TH, 2024 AS RECORDED IN FIELD BOOK BOOK 1944, PAGES 57-61. ADDITIONAL DATA WAS COLLECTED TO SUPPLEMENT VOIDS IN THE DIGITAL TERRAIN MODEL FOR ALL CANALS BETWEEN OCTOBER 17TH AND OCTOBER 22ND, 2024 AS RECORDED IN FIELD BOOK 1979, PAGES 32-37.
12. VOLUMES WERE CALCULATED IN AUTOCAD CIVIL 3D, UTILIZING THE COMPOSITE METHOD TO COMPARE 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%.

SHEET INDEX:

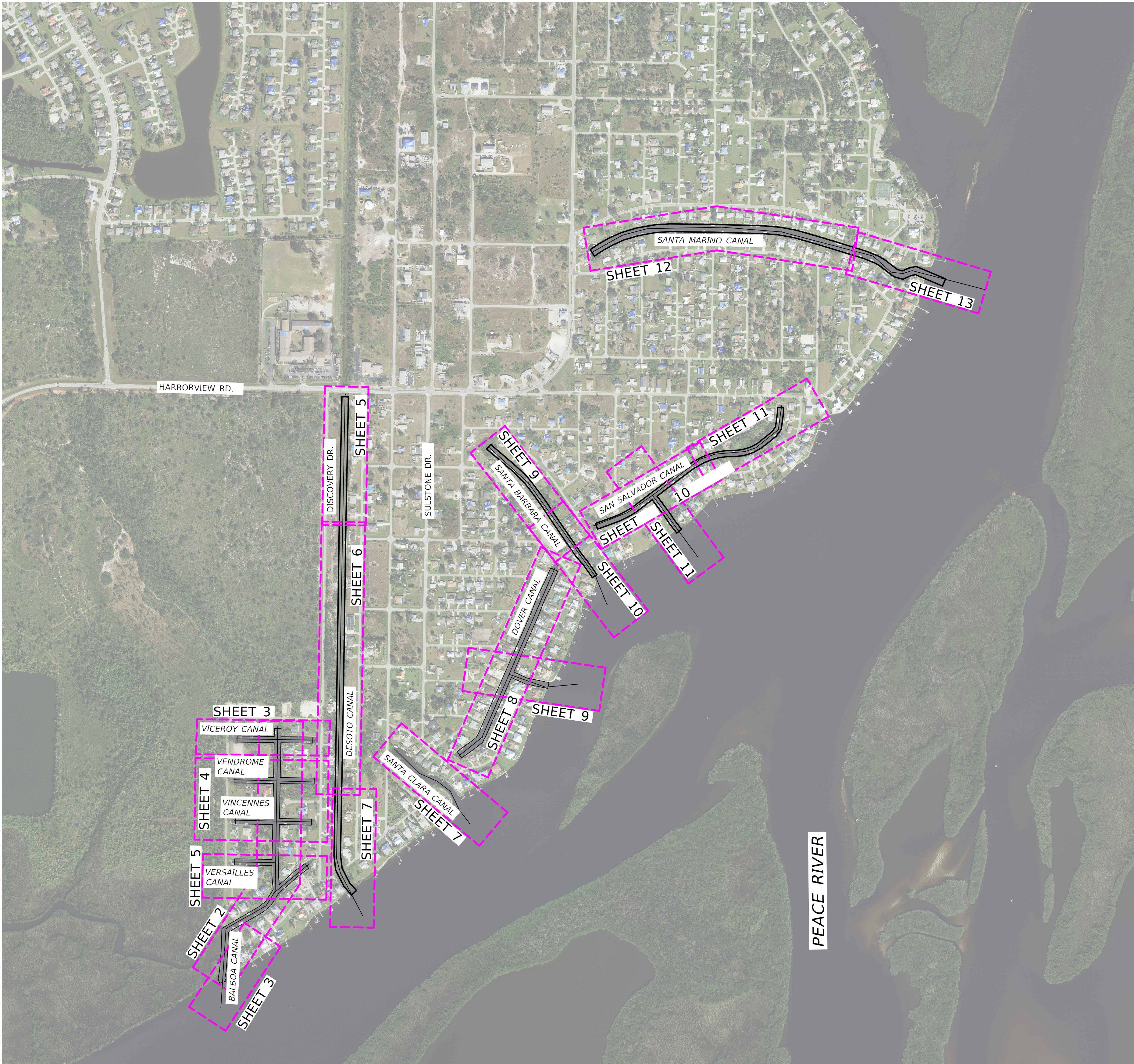
1. NOTES, LEGEND, VICINITY MAP
2. CHANNEL DETAIL B.O.S. STA. -00+25 TO STA. 22+00 BALBOA CANAL
3. CHANNEL DETAIL STA. 22+00 TO E.O.S. STA. 26+00 BALBOA CANAL, VICEROY CANAL
4. CHANNEL DETAIL VENDROME CANAL, VINCENNES CANAL
5. CHANNEL DETAIL VERSAILLE CANAL, BALBOA EXTENSION, B.O.S. STA 00+00 TO STA. 11+00 DESOTO CANAL
6. CHANNEL DETAIL STA. 11+00 TO STA. 34+00 DESOTO CANAL
7. CHANNEL DETAIL STA. 34+00 TO E.O.S. STA. 45+01.49 DESOTO CANAL, SANTA CLARA CANAL
8. CHANNEL DETAIL DOVER CANAL, B.O.S. STA. 00+00 TO STA. 1+50 DOVER CANAL ENTRANCE
9. CHANNEL DETAIL DOVER CANAL ENTRANCE, B.O.S. STA. 00+00 TO STA. 11+00 SANTA BARBARA CANAL
10. CHANNEL DETAIL STA. 11+00 TO E.O.S. STA. 17+00 SANTA BARBARA CANAL, B.O.S. STA. 00+00 TO STA. 11+00 SAN SALVADOR CANAL
11. CHANNEL DETAIL STA. 11+00 TO E.O.S. STA. 20+27.49 SAN SALVADOR CANAL, SAN SALVADOR CANAL ENTRANCE
12. CHANNEL DETAIL B.O.S. STA. 00+00 TO STA. 23+00 SAN MARINO CANAL
13. CHANNEL DETAIL STA. 23+00 TO E.O.S. STA. 35+00 SAN MARINO CANAL
14. CHANNEL SECTIONS STA. -0+15 TO STA. 24+00 BALBOA CANAL, STA. 0+14 TO STA. 2+00 BALBOA EXTENSION
15. CHANNEL SECTIONS STA. 2+50 TO STA. 3+50 BALBOA EXTENSION, STA. 00+05 TO STA. 3+19 VERSAILLE CANAL, STA. 00+10 TO STA. 6+59 VINCENNES CANAL, STA. 0+06 TO STA. 6+58 VENDROME CANAL, STA. 00+05 TO STA. 3+26 VICEROY CANAL
16. CHANNEL SECTIONS STA. 3+80 TO STA. 6+58 VICEROY CANAL, STA. 00+19 TO STA. 22+50 DESOTO CANAL
17. CHANNEL SECTIONS STA. 23+00 TO STA. 43+50 DESOTO CANAL, STA. -00+19 TO STA. 5+50 SANTA CLARA CANAL
18. CHANNEL SECTIONS STA. 6+00 TO 8+00 SANTA CLARA CANAL, STA. 00+00 TO STA. 18+27 DOVER CANAL, STA. 00+32 TO STA. 4+00 DOVER CANAL ENTRANCE, STA. 00+00 SANTA BARBARA CANAL
19. CHANNEL SECTIONS STA. 00+50 TO STA. 14+50 SANTA BARBARA CANAL, STA. 00+21 TO STA. 12+50 SAN SALVADOR CANAL
20. CHANNEL SECTIONS STA. 13+00 TO STA. 20+13 SAN SALVADOR CANAL, STA. 00+17 TO STA. 4+00 SAN SALVADOR CANAL ENTRANCE, STA. 00+00 TO STA. 14+00 SAN MARINO CANAL
21. CHANNEL SECTIONS STA. 14+50 TO E.O.S. STA. 32+00 SAN MARINO CANAL
22. VOLUME TABLES BALBOA CANAL, BALBOA EXTENSION, VERSAILLE CANAL, VINCENNES CANAL, VENDROME CANAL, VICEROY CANAL, DESOTO CANAL, SANTA CLARA CANAL
23. VOLUME TABLES DOVER CANAL, DOVER CANAL ENTRANCE, SANTA BARBARA CANAL, SAN SALVADOR CANAL, SAN SALVADOR ENTRANCE, SAN MARINO CANAL

LEGEND:

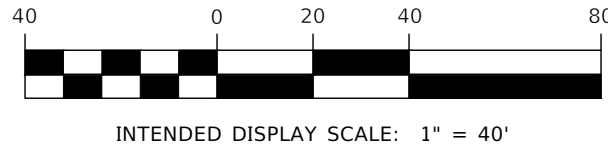
- B.O.S. = BEGINNING OF SURVEY
CY = CUBIC YARDS
DIST. = DISTANCE
E = EASTING COORDINATE
E.O.S. = END OF SURVEY
EQ. = EQUATION
FT. = FEET
GPS = GLOBAL POSITIONING SYSTEM
INC. = INCORPORATED
LB = LICENSED BUSINESS
MLW = MEAN LOW WATER
N = NORTHING COORDINATE
NAD 1983 = NORTH AMERICAN DATUM OF 1983
NAVD 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



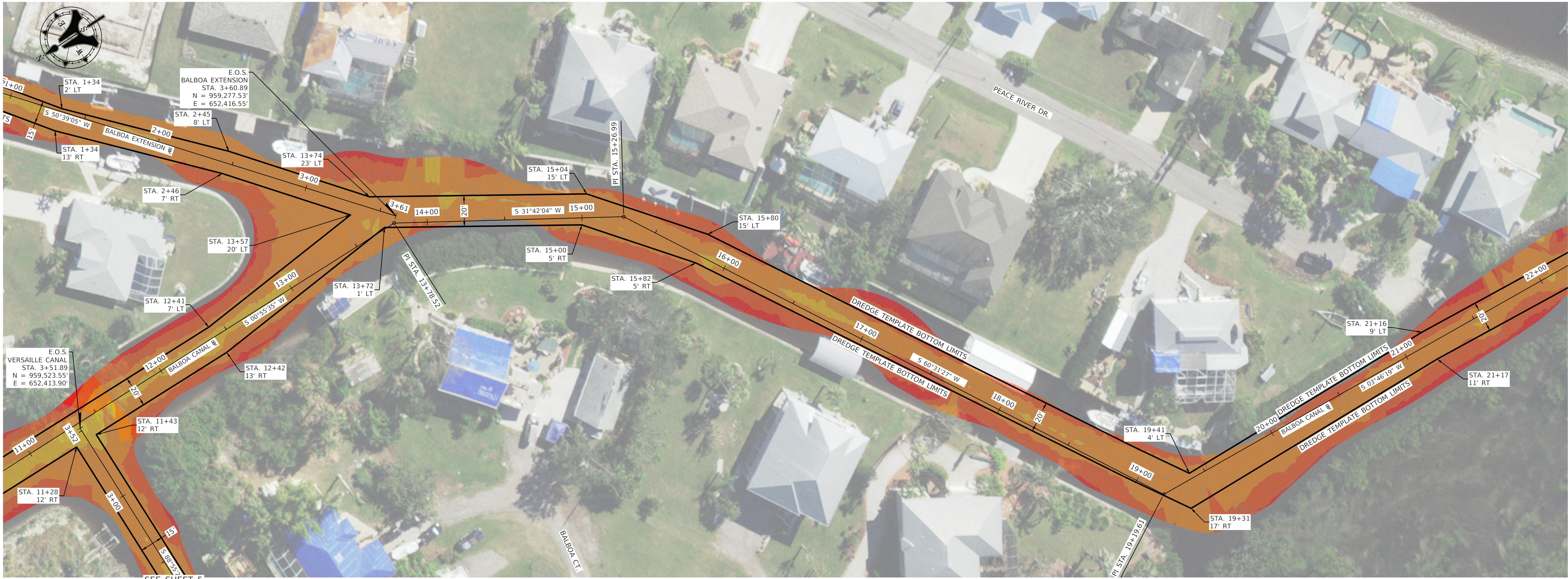
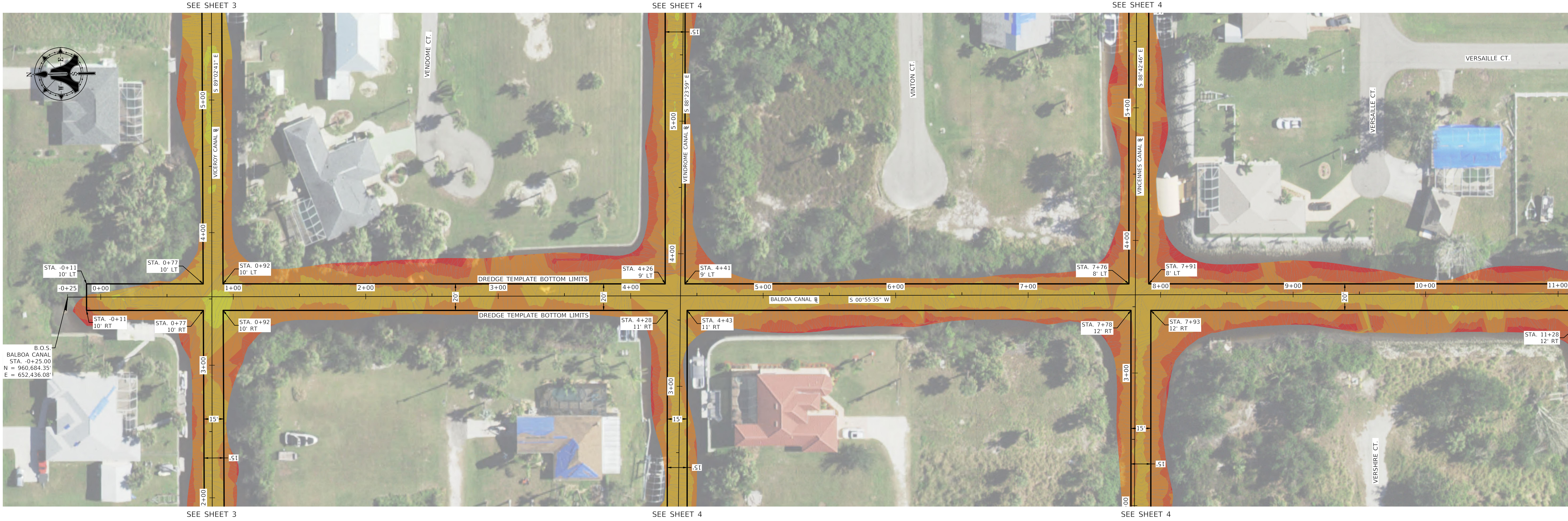
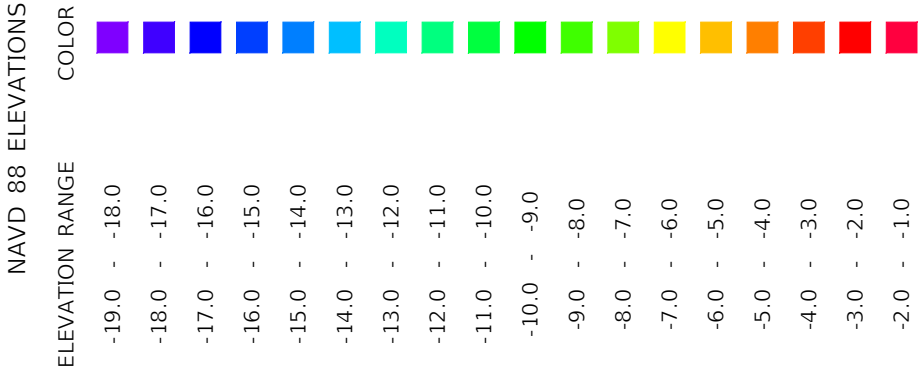
Digitally signed
by Darren
Townsend
Date: 2025.02.06
14:55:53 -05'00'



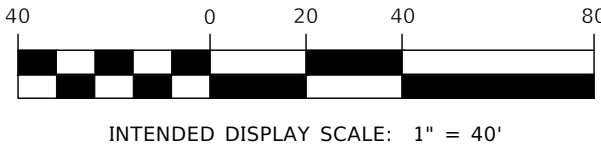
HYDROGRAPHIC SURVEY HARBOR HEIGHTS WATERWAYS		PROJECT NO. 24-1940		FILE NAME 24-1940_PH1303		SHEET 1	
COUNTY CHARLOTTE		SECTION 24-1940		TOWNSHIP S		DATE 23	
CLIENT CHARLOTTE COUNTY		DRAWN RH		DATE 01/28/2024		CHECKED DT	
DATE 01/29/2024		TOLL FREE 800-236-4569		PHONE 239-332-4569		FAX 239-332-4569	
WWW.AIMENGR.COM		FORT MYERS, FLORIDA 33901		CERTIFICATE OF AUTHORIZATION No. 3114		DATE 01/29/2024	
AIM Engineering & Surveying, Inc. CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT		3161 FOWLER STREET, SUITE 100 FORT MYERS, FLORIDA 33901		TOWN OF CHARLOTTE, FLORIDA		DATE 01/29/2024	
PROJECT NAME WOM 332 PRE-STORM BATHYMETRIC SURVEYS		PREPARED BY AIM ENGINEERING & SURVEYING, INC.		PAGE 57-61 / 32-37		DATE 1944 / 1979	
ANY REVISIONS, ALTERATIONS, AND CHANGES TO DRAWINGS(S) SHALL BE MADE BY THE ENGINEER, INC. IS PROHIBITED.		FIELD BOOK 1944 / 1979		PAGE 57-61 / 32-37		DATE 1944 / 1979	



HYDROGRAPHIC SURVEY
HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA



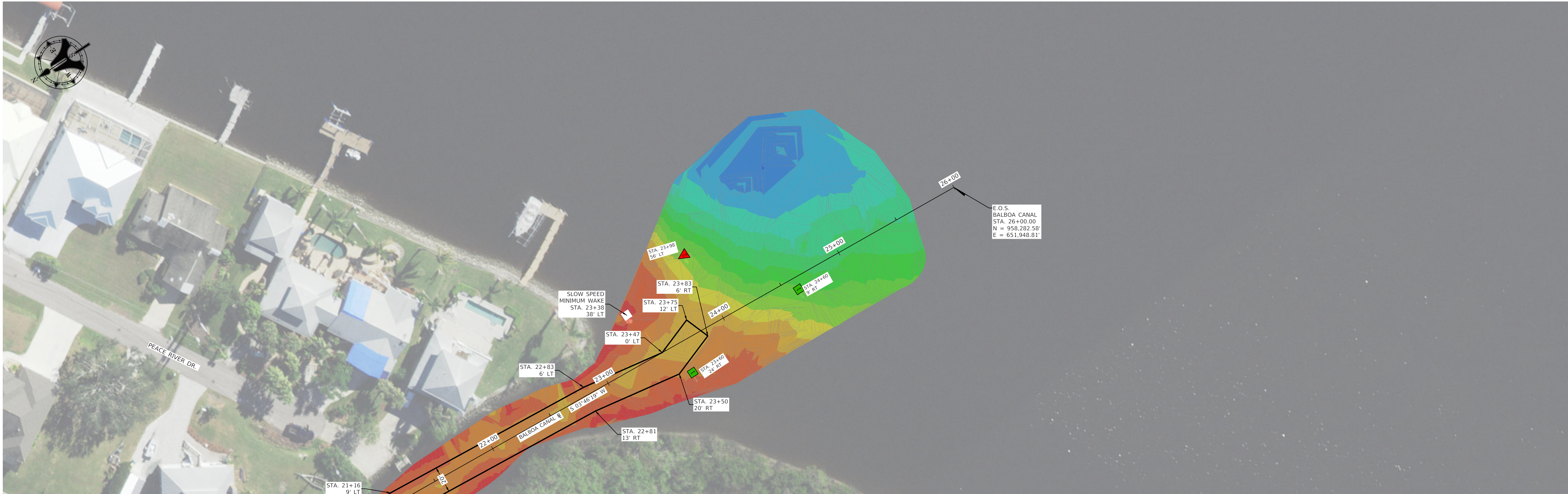
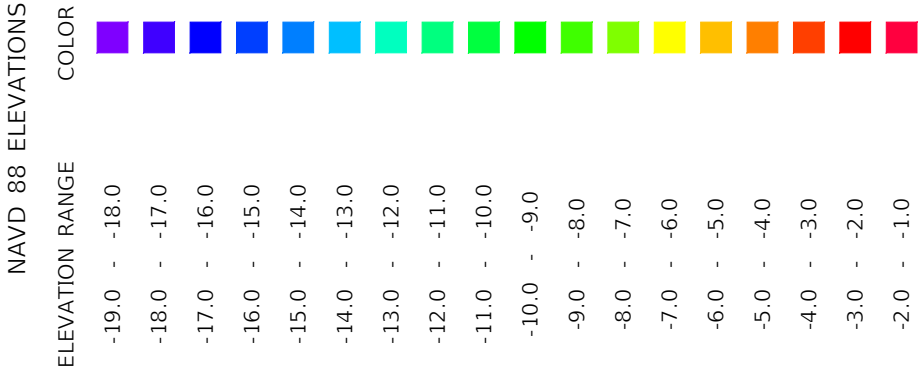
HYDROGRAPHIC SURVEY HARBOR HEIGHTS WATERWAYS		PROJECT NO. 24-1940-P303		SHEET 2	
COUNTY CHARLOTTE		SECTION S		RANGE E	
J:\Active\24-1940-W0322 Charlotte Co Pre-Storm Bathymetry\2407_RH WORKING\24-1940_P403.dwg 1/30/2025 1:37:02 PM					
AIM Engineering & Surveying, Inc. CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT 2361 FOWLER STREET, SUITE 100 FORT MYERS, FLORIDA 33901 www.aimengr.com		CERTIFICATE OF AUTHORIZATION No. 3114 DATE: 01/28/2024 DRAWN: RH CHECKED: DT DATE: 01/29/2024		CLIENT CHARLOTTE COUNTY	
PROJECT NAME W03 322 PRE-STORM BATHYMETRIC SURVEYS		PREPARED BY: AIM ENGINEERING & SURVEYING, INC. SEE SHEET 1 DARREN TOWNSEND PROFESSIONAL SEAL AND MAPPER FLORIDA CERTIFICATE NO. 6476		ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND THE ORIGINAL DRAWING(S) MUST BE KEPT ON FILE FOR THE LIFE OF THE PROJECT.	
NO. DATE BY: REVISIONS:		1 1		2	
3		4		5	
6		7		8	



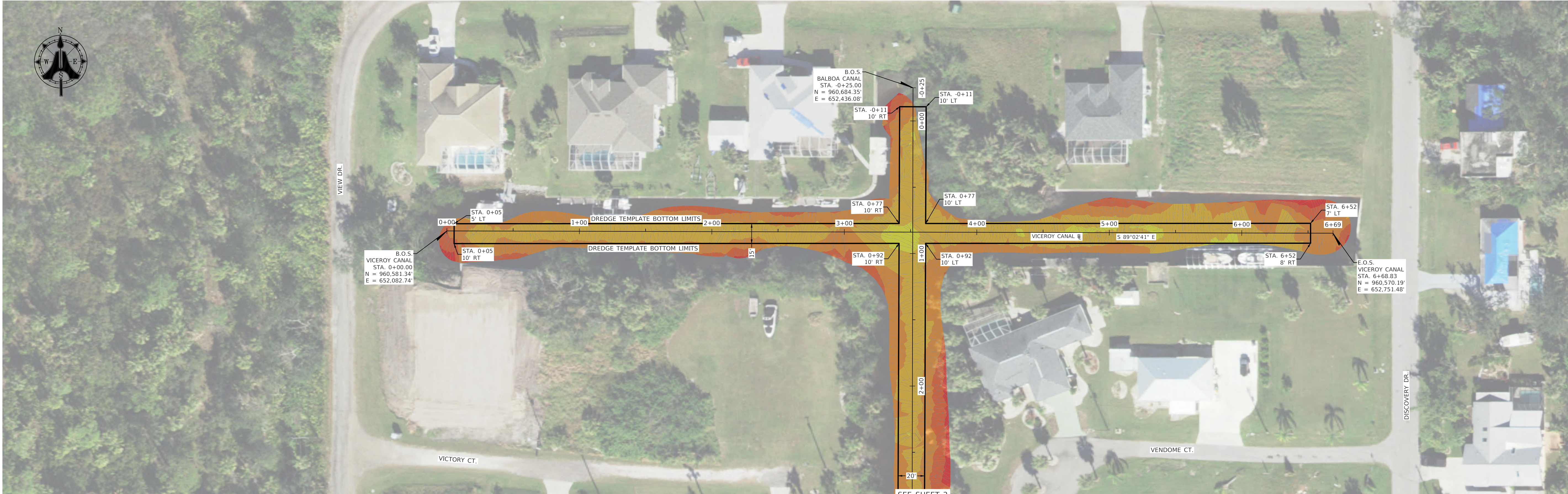
HYDROGRAPHIC SURVEY

HARBOR HEIGHTS WATERWAYS

CHARLOTTE COUNTY, FLORIDA

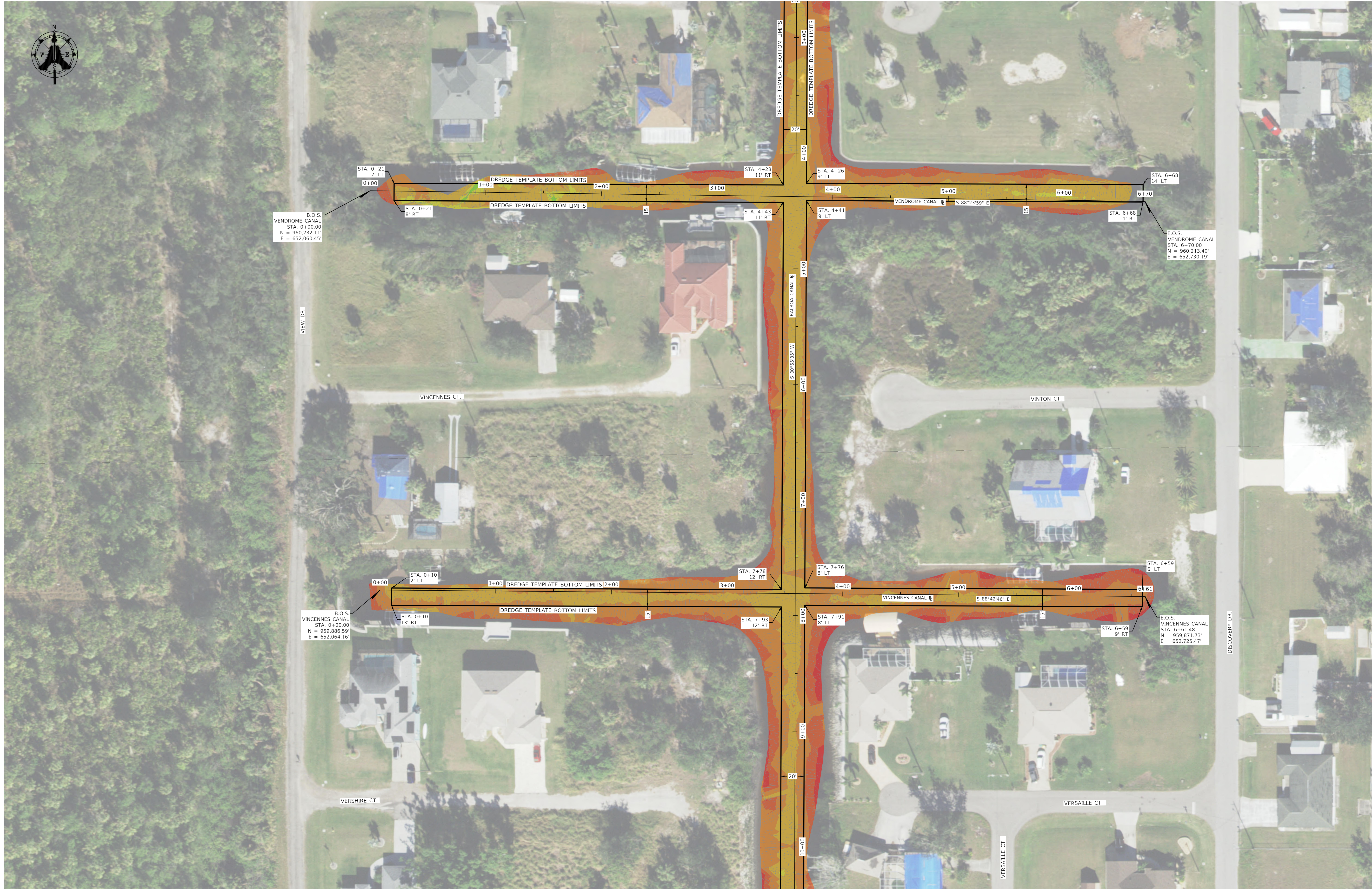
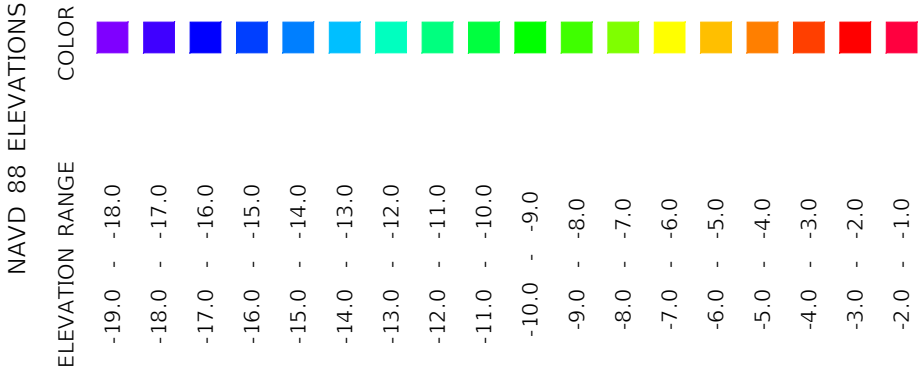


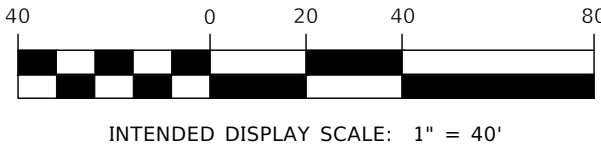
SEE SHEET 2
STA. 22+00



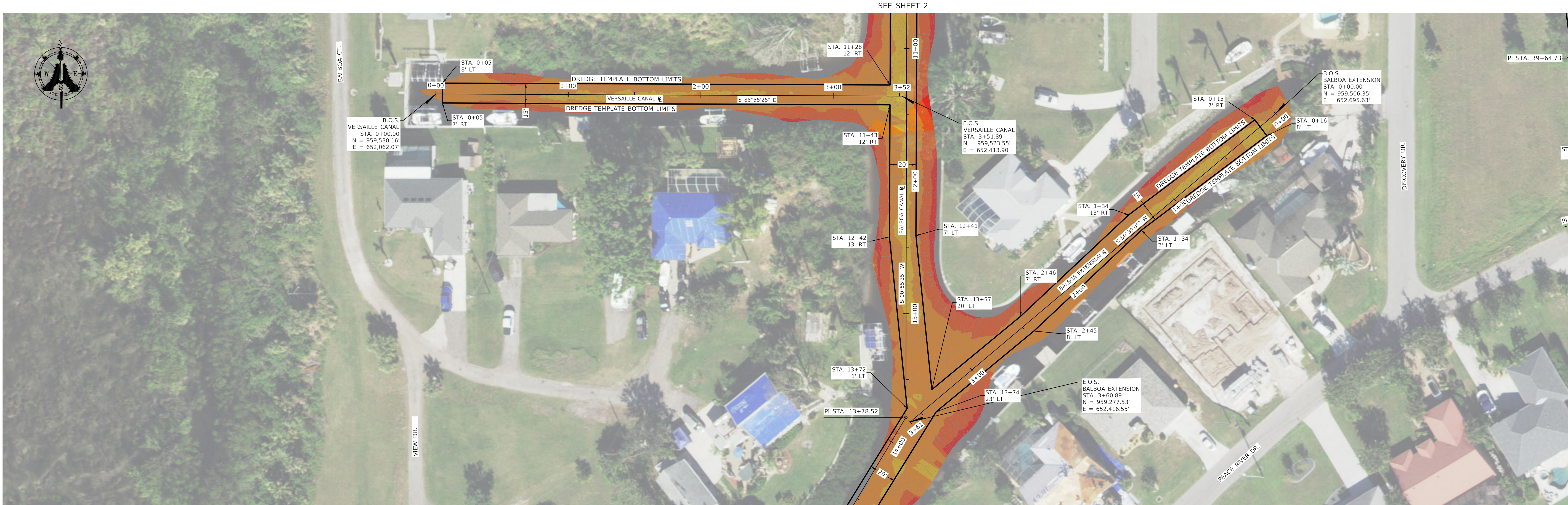
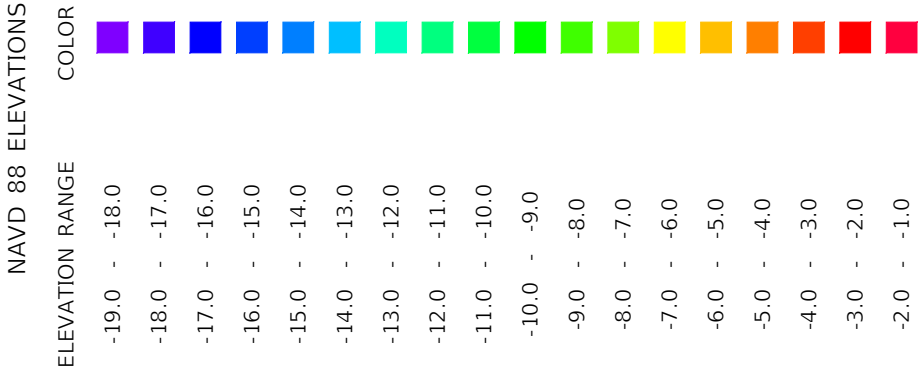
SEE SHEET 2

HYDROGRAPHIC SURVEY		PROJECT NO.		FILE NAME	
HARBOR HEIGHTS WATERWAYS		24-1940		24-1940_P303	
COUNTY:		SECTION:		TOWNSHIP:	
CHARLOTTE		24-1940		S	
SHEET		3		E	
23		3		E	
CLIENT		CHARLOTTE COUNTY		DATE	
DRAWN		RH		01/28/2024	
CHECKED		DT		01/29/2024	
TOLL FREE 800-328-4569		PHONE 239-332-4569		FAX 239-332-4569	
2361 FOWLER STREET, SUITE 100		FORT MYERS, FLORIDA 33901		www.aimengr.com	
AIM Engineering & Surveying, Inc.		CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT		CERTIFICATE OF AUTHORIZATION No. 3114	
PROJECT NAME		WOM 322 PRE-STORM BATHYMETRIC SURVEYS		PREPARED BY: AIM ENGINEERING & SURVEYING, INC.	
NO.		DATE		BY:	
1		1		1	
2		2		2	
3		3		3	
4		4		4	
5		5		5	
6		6		6	
7		7		7	
ANY REVISIONS, ALTERATIONS, AND OR CHANGES TO DRAWINGS(S) MUST BE MADE IN THE ORIGINAL DRAWING(S) AND THE FIELD BOOK.		PAGE		PAGE	
SEE SHEET 1		57.61 / 32.37		1944 / 1979	
DARREN TOWNSHIP		PROFESSOR OF SURVEYING		FLORIDA CERTIFICATE NO. 6476	
WOM 322 PRE-STORM BATHYMETRIC SURVEYS		DATE		BY:	
1		1		1	
2		2		2	
3		3		3	
4		4		4	
5		5		5	
6		6		6	
7		7		7	

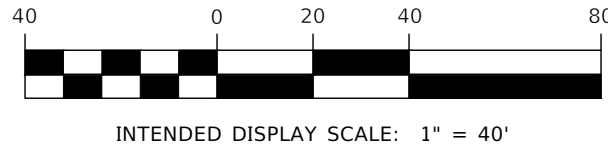
[illegible]



HYDROGRAPHIC SURVEY
HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA

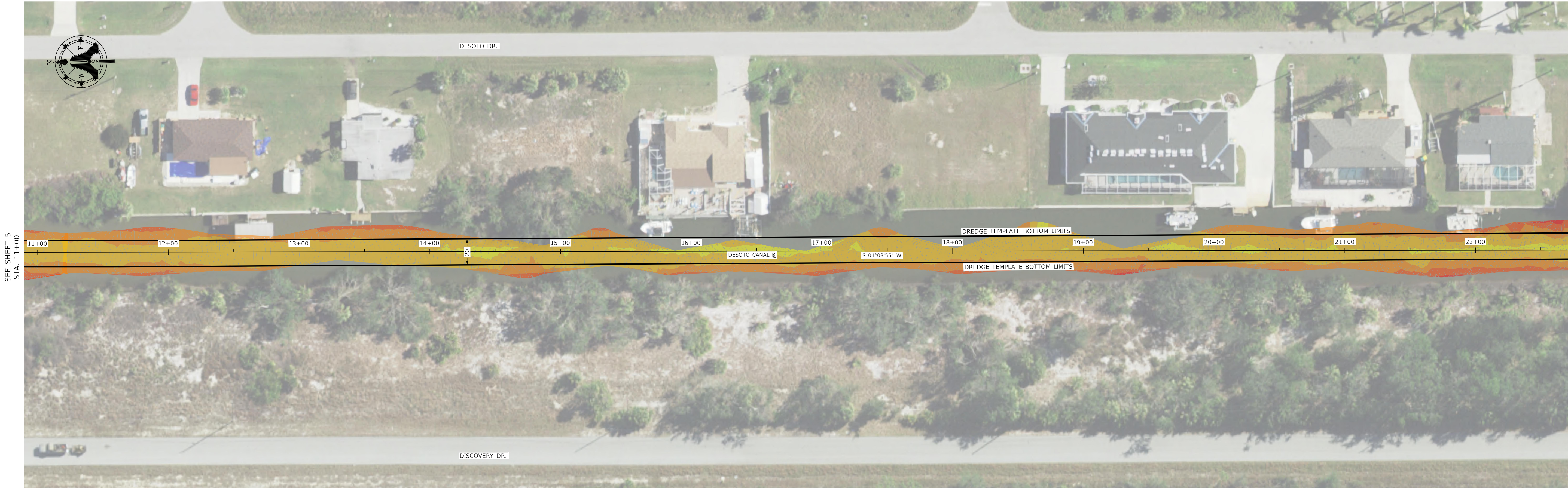


HYDROGRAPHIC SURVEY HARBOR HEIGHTS WATERWAYS		PROJECT NO. 24-1940-P303		FILE NAME 24-1940-P303	
COUNTY CHARLOTTE	SECTION S	TOWNSHIP S	RANGE E		
SHEET 5					
DATE 23					
CLIENT CHARLOTTE COUNTY		DRAWN RH		DATE 01/28/2024	CHECKED DT
DATE 01/29/2024					
AIM Engineering & Surveying, Inc. CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT 3161 FOWLER STREET, SUITE 100 FORT MYERS, FLORIDA 33901 www.aimengr.com					
TOLL FREE 800-328-4569 PHONE 239-332-4569 FAX 239-332-4569 CERTIFICATE OF AUTHORIZATION No. 3114					
PROJECT NAME W0322 PRE-STORM BATHYMETRIC SURVEYS					
PREPARED BY: AIM ENGINEERING & SURVEYING, INC.					
SEE SHEET 1					
DARREN TOWNSHEND PROFESSIONAL SURVEYOR FLORIDA CERTIFICATE NO. 6476					
ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE SUBMITTED TO AND APPROVED BY THE ORIGINAL DESIGNER. INC. IS PROHIBITED.					
NO. 1		DATE		BY:	
2		3		4	
5		6		7	
1944 / 1979		57.61 / 32.37		PAGE	



HYDROGRAPHIC SURVEY
HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA

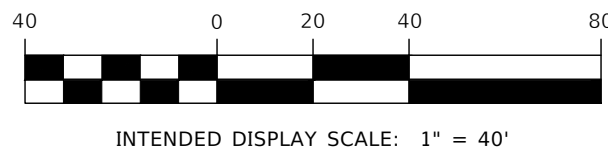
NAVD 88 ELEVATIONS	COLOR
ELEVATION RANGE	
-19.0 - -18.0	
-18.0 - -17.0	
-17.0 - -16.0	
-16.0 - -15.0	
-15.0 - -14.0	
-14.0 - -13.0	
-13.0 - -12.0	
-12.0 - -11.0	
-11.0 - -10.0	
-10.0 - -9.0	
-9.0 - -8.0	
-8.0 - -7.0	
-7.0 - -6.0	
-6.0 - -5.0	
-5.0 - -4.0	
-4.0 - -3.0	
-3.0 - -2.0	
-2.0 - -1.0	



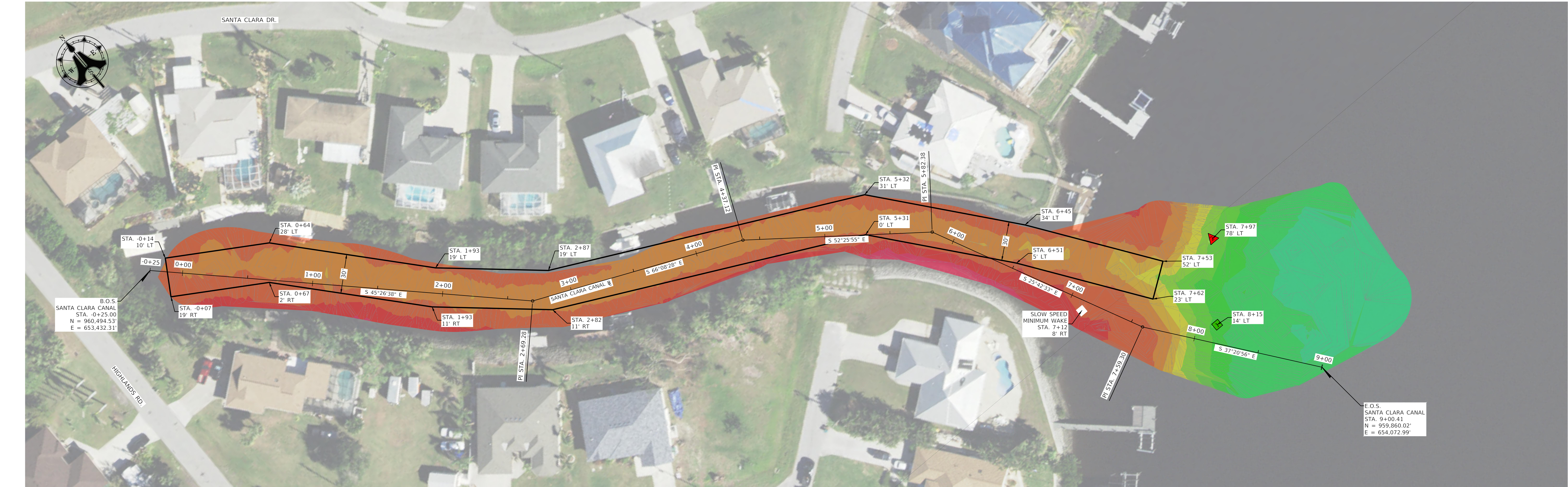
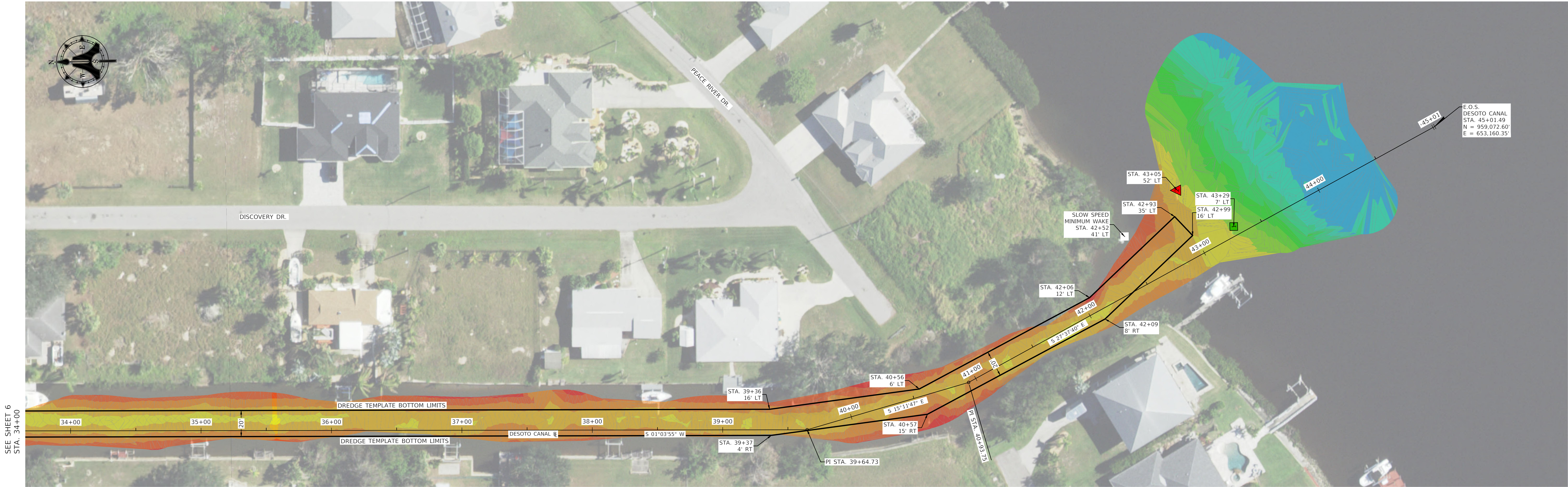
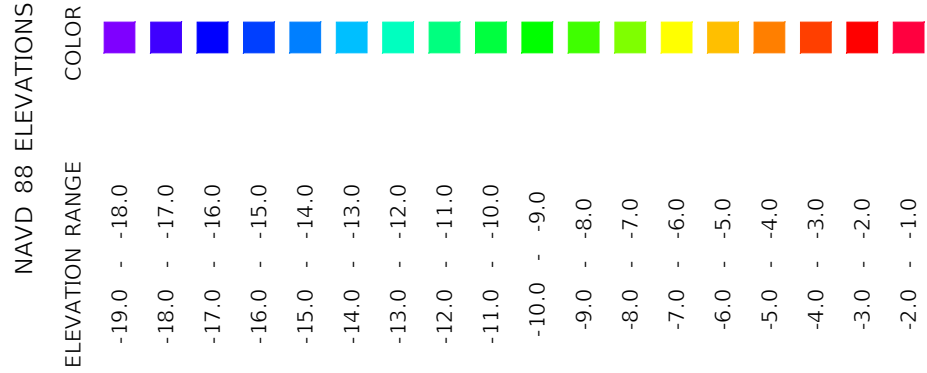
SEE SHEET 5
STA. 11+00

SEE SHEET 7
STA. 34+00

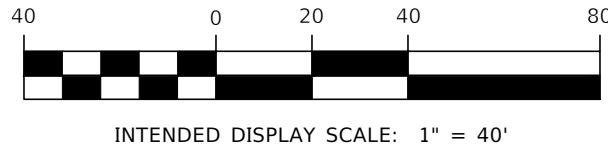
HYDROGRAPHIC SURVEY HARBOR HEIGHTS WATERWAYS		PROJECT NO. 24-1940		FILE NAME 24-1940_P303	
COUNTY CHARLOTTE	SECTION 24-1940	TOWNSHIP S	RANGE E		
SHEET 6		DATE 23			
J:\Active\24-1940_W0322 Charlotte Co Pre-Storm Bathymetry\2407_RH WORKING\24-1940_P403.dwg 1/30/2025 1:43:29 PM					
AIM Engineering & Surveying, Inc. CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT 2161 FOWLER STREET, SUITE 100 FORT MYERS, FLORIDA 33901 www.aimengr.com		CLIENT CHARLOTTE COUNTY		DATE 01/28/2024	
CERTIFICATE OF AUTHORIZATION No. 3114 TOLL FREE 800-236-4569 PHONE 239-332-4569 FAX 239-332-4569		DRAWN RH		DATE 01/28/2024	
CHECKED DT		DATE 01/29/2024			
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. 6476		ANY REVISIONS, ALTERATIONS, AND OR CHANGES TO DRAWINGS(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND A RECORD OF ALL CHANGES MUST BE MAINTAINED.			
FIELD BOOK 1944 / 1979		PAGE 57.61 / 32.37			
NO. 1		DATE 1		REVISIONS	
NO. 2		DATE 2		REVISIONS	
NO. 3		DATE 3		REVISIONS	
NO. 4		DATE 4		REVISIONS	
NO. 5		DATE 5		REVISIONS	
NO. 6		DATE 6		REVISIONS	
NO. 7		DATE 7		REVISIONS	



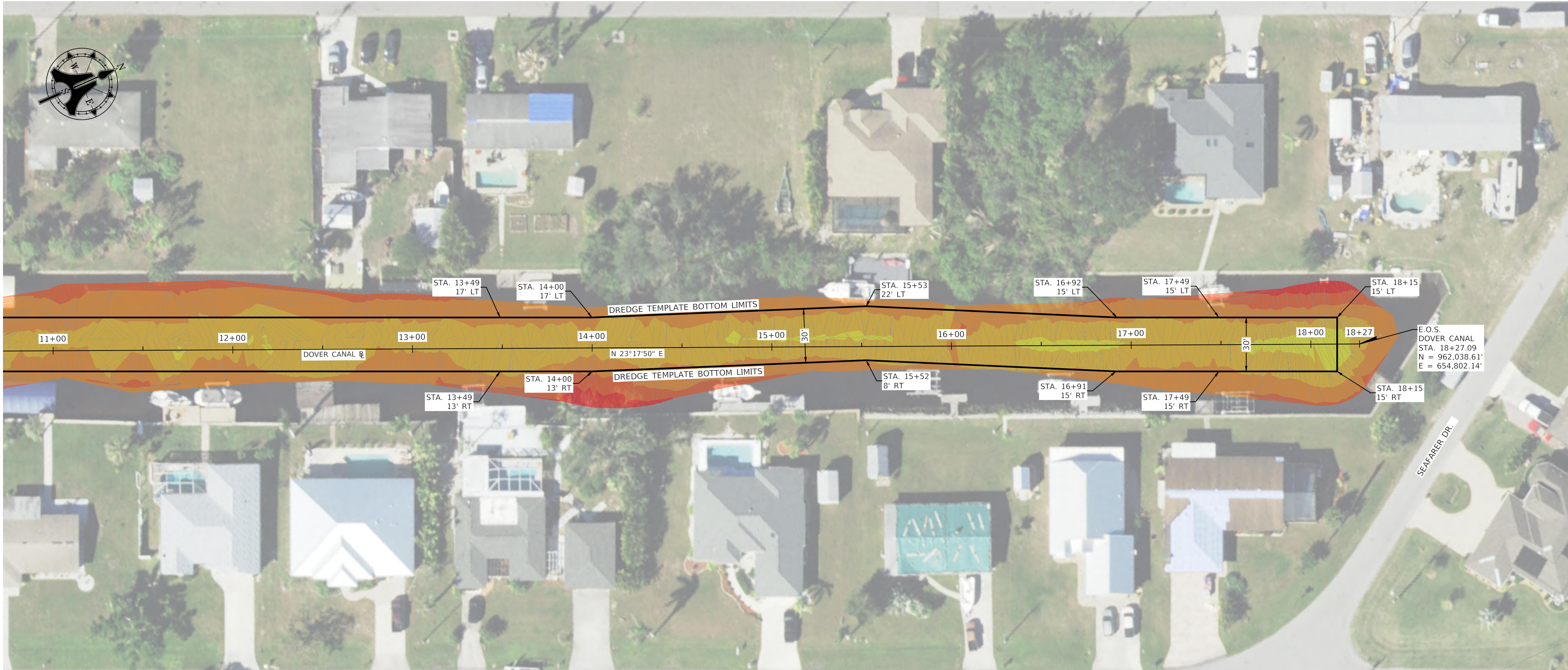
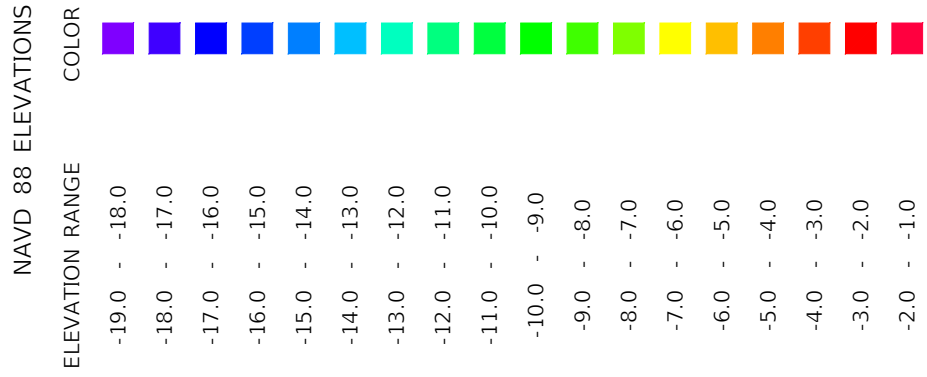
HYDROGRAPHIC SURVEY
HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA



HYDROGRAPHIC SURVEY HARBOR HEIGHTS WATERWAYS		PROJECT NO. 24-1940-P303		SHEET 7	
COUNTY CHARLOTTE		SECTION S		DATE 24-1940-P303	
FILE NAME 24-1940-P303		TOWNSHIP S		RANGE E	
CLIENT Charlotte Co Pre-Storm Bathymetry		DRAWN RH		CHECKED DT	
DATE 01/28/2024		DATE 01/29/2024		DATE 01/29/2024	
PROJECT NAME WOM 322 PRE-STORM BATHYMETRIC SURVEYS		PROJECT NAME WOM 322 PRE-STORM BATHYMETRIC SURVEYS		PROJECT NAME WOM 322 PRE-STORM BATHYMETRIC SURVEYS	
PREPARED BY: AIM ENGINEERING & SURVEYING, INC.		PREPARED BY: AIM ENGINEERING & SURVEYING, INC.		PREPARED BY: AIM ENGINEERING & SURVEYING, INC.	
SEE SHEET 1		SEE SHEET 1		SEE SHEET 1	
DARRIN TOWNSHIP		DARRIN TOWNSHIP		DARRIN TOWNSHIP	
PROFESSOR OF SURVEYING		PROFESSOR OF SURVEYING		PROFESSOR OF SURVEYING	
FLORIDA CERTIFICATE NO. 6476		FLORIDA CERTIFICATE NO. 6476		FLORIDA CERTIFICATE NO. 6476	
ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS SHALL BE MADE TO THE ORIGINAL DRAWING AND NOT TO THIS SHEET.		ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS SHALL BE MADE TO THE ORIGINAL DRAWING AND NOT TO THIS SHEET.		ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS SHALL BE MADE TO THE ORIGINAL DRAWING AND NOT TO THIS SHEET.	
NO. 1		NO. 2		NO. 3	
DATE		DATE		DATE	
BY:		BY:		BY:	
REVISIONS:		REVISIONS:		REVISIONS:	
1		2		3	
4		5		6	
7		8		9	
10		11		12	
13		14		15	
16		17		18	
19		20		21	
22		23		24	
25		26		27	
28		29		30	
31		32		33	
34		35		36	
37		38		39	
40		41		42	
43		44		45	
46		47		48	
49		50		51	
52		53		54	
55		56		57	
58		59		60	
61		62		63	
64		65		66	
67		68		69	
70		71		72	
73		74		75	
76		77		78	
79		80		81	
82		83		84	
85		86		87	
88		89		90	
91		92		93	
94		95		96	
97		98		99	
100		101		102	
103		104		105	
106		107		108	
109		110		111	
112		113		114	
115		116		117	
118		119		120	
121		122		123	
124		125		126	
127		128		129	
130		131		132	
133		134		135	
136		137		138	
139		140		141	
142		143		144	
145		146		147	
148		149		150	
151		152		153	
154		155		156	
157		158		159	
160		161		162	
163		164		165	
166		167		168	
169		170		171	
172		173		174	
175		176		177	
178		179		180	
181		182		183	
184		185		186	
187		188		189	
190		191		192	
193		194		195	
196		197		198	
199		200		201	
202		203		204	
205		206		207	
208		209		210	
211		212		213	
214		215		216	
217		218		219	
220		221		222	
223		224		225	
226		227		228	
229		230		231	
232		233		234	
235		236		237	
238		239		240	
241		242		243	
244		245		246	
247		248		249	
250		251		252	
253		254		255	
256		257		258	
259		260		261	
262		263		264	
265		266		267	
268		269		270	
271		272		273	
274		275		276	
277		278		279	
280		281		282	
283		284		285	
286		287		288	
289		290		291	
292		293		294	
295		296		297	
298		299		300	
301		302		303	
304		305		306	
307		308		309	
310		311		312	
313		314		315	
316		317		318	
319		320		321	
322		323		324	
325		326		327	
328		329		330	
331		332		333	
334		335		336	
337		338		339	
340		341		342	
343		344		345	
346		347		348	
349		350		351	
352		353		354	
355		356		357	
358		359		360	
361		362		363	
364		365		366	
367		368		369	
370		371		372	
373		374		375	
376		377		378	
379		380		381	
382		383		384	
385		386		387	
388		389		390	
391		392		393	
394		395		396	
397		398		399	
400		401		402	
403		404		405	
406		407		408	
409		410		411	
412		413		414	
415		416		417	
418		419		420	
421		422		423	
424		425		426	
427		428		429	
430		431		432	
433		434		435	
436		437		438	
439		440		441	
442		443		444	
445		446		447	
448		449		450	
451		452		453	
454		455		456	
457		458		459	
460		461		462	
463		464		465	
466		467		468	
469		470		471	
472		473		474	
475		476		477	
478		479		480	
481		482		483	
484		485		486	
487		488		489	
490		491		492	
493		494		495	
496		497		498	
499		500		501	
502		503		504	
505		506		507	
508		509		510	
511		512		513	
514		515		516	
517		518		519	
520		521		522	
523		524		525	
526		527		528	
529		530		531	
532		533		534	
535		536		537	
538		539		540	
541		542		543	
544		545		546	
547		548		549	
550		551		552	
553		554		555	
556		557		558	
559		560		561	
562		563		564	
565		566		567	
568		569		570	
571		572		573	
574		575		576	
577		578		579	
580		581		582	
583		584		585	
586		587		588	
589		590		591	
592		593		594	
595		596		597	
598		599		600	
601		602		603	
604		605		606	
607		608		609	
610		611		612	
613		614		615	
616		617		618	
619		620		621	
622		623		624	
625		626		627	
628		629		630	
631		632		633	
634		635		636	
637		638		639	
640		641		642	
643		644		645	
646		647		648	
649		650		651	
652		653		654	
655		656		657	
658		659		660	
661		662		663	
664		665		666	
667		668		669	
670		671		672	
673		674		675	
676		677		678	
679		680		681	
682		683		684	
685		686		687	
688		689		690	
691		692		693	
694		695		696	
697		698		699	
700		701		702	
703		704		705	
706		707		708	
709		710		711	
712		713		714	
715		716		717	
718		719		720	
721		722		723	
724		725		726	
727		728		729	
730		731		732	
733		734		735	
736		737		738	
739		740		741	
742		743		744	
745		746		747	
748		749		750	
751		752		753	
754		755		756	
757		758		759	
760		761		762	
763		764		765	
766		767		768	
769		770		771	
772		773		774	
775		776		777	
778		779		780	
781		782		783	
784		785		786	
787		788		789	
790		791		792	
793		794		795	
796		797		798	
799		800		801	
802		803		804	
805		806		807	
808		809		810	
811		812		813	
814		815		816	
817		818		819	
820		821		822	
823		824		825	
826		827		828	
829		830		831	
832		833		834	
835		836		837	
838		839		840	
841		842		843	
844		845		846	
847		848		849	
850		851		852	
853		854		855	
856		857		858	
859		860		861	
862		863		864	
865		866		867	
868		869		870	
871		872		873	
874		875		876	
877		878		879	
880		881		882	
883		884		885	
886		887		888	
889		890		891	
892		893		894	
895		896		897	
898		899		900	
901		902		9	

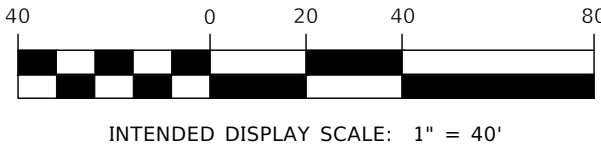


HYDROGRAPHIC SURVEY
HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA



SEE BELOW
STA. 11+00

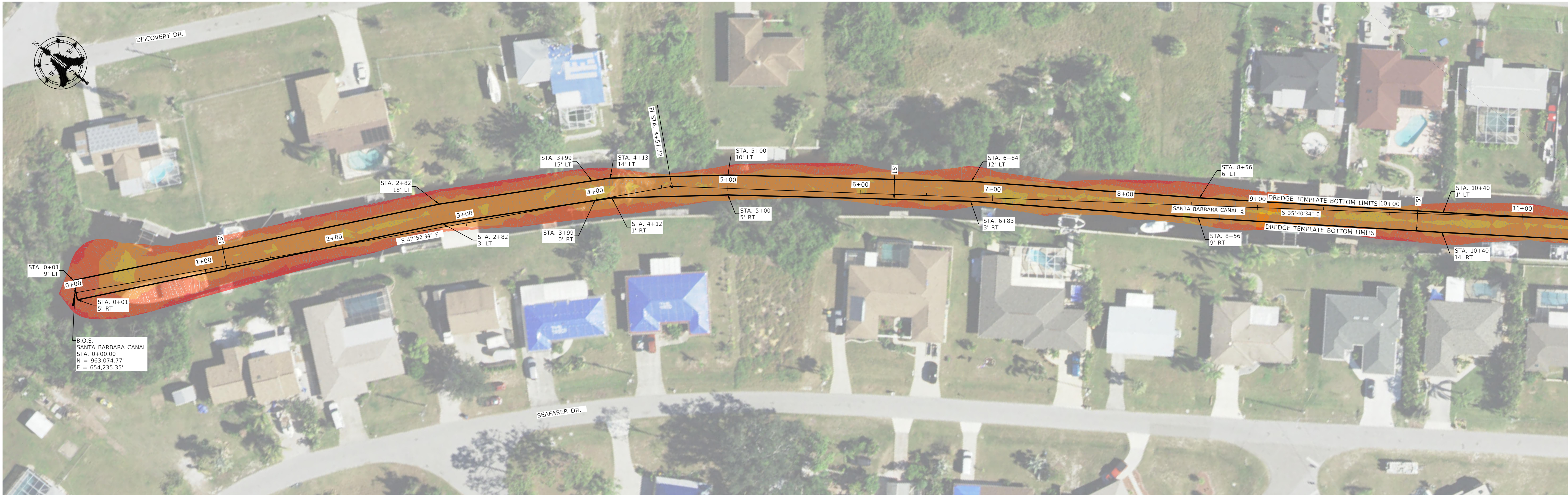
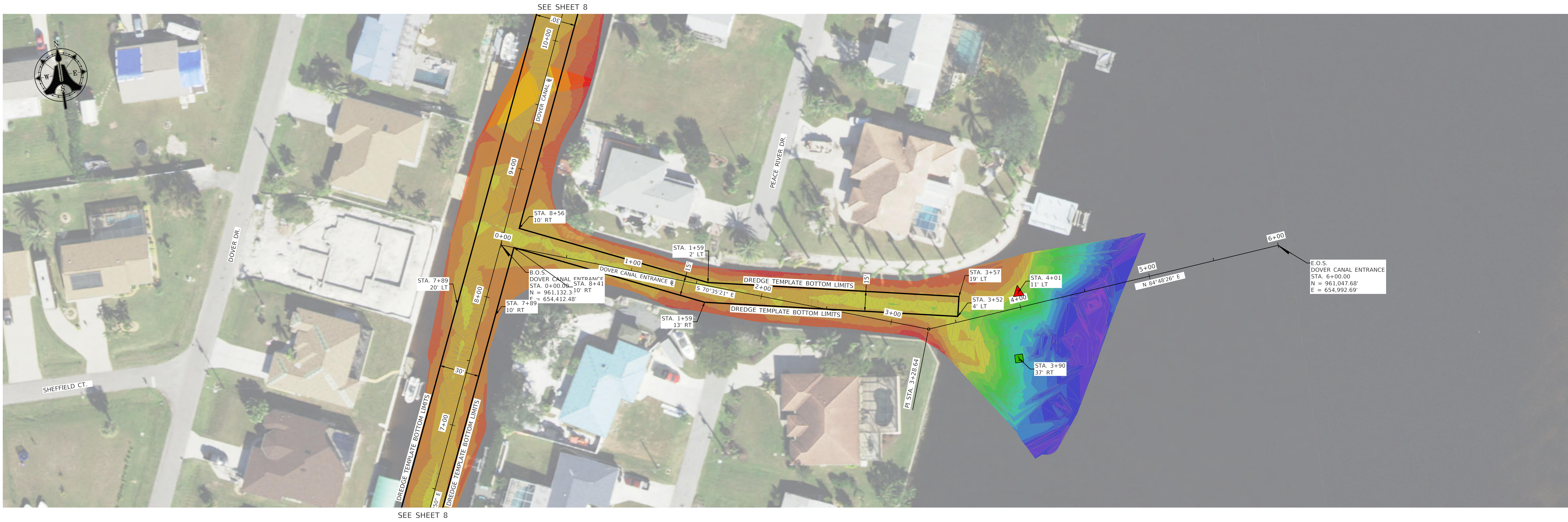
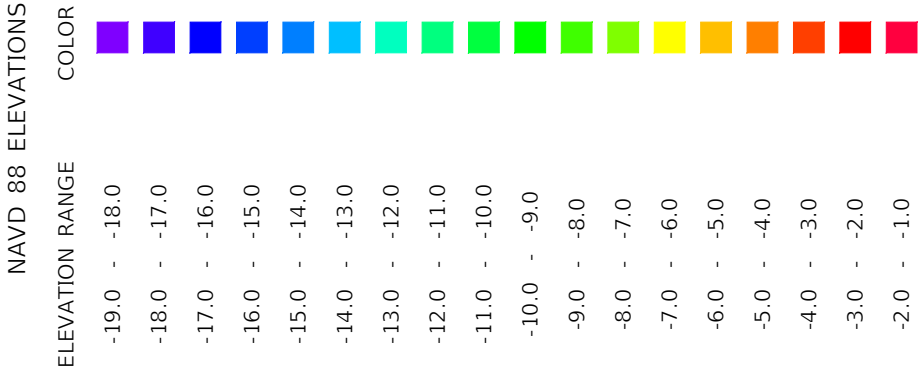
HYDROGRAPHIC SURVEY HARBOR HEIGHTS WATERWAYS		PROJECT NO.: 24-1940 COUNTY: CHARLOTTE		TILE NAME: 24-1940_P303 SECTOR: TOWNSHIP: S E		SHEET 8 OF 23	
AIM Engineering & Surveying, Inc. CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT 3161 FOWLER STREET, SUITE 100 FORT MYERS, FLORIDA 33901 www.aimengr.com		CLIENT: CHARLOTTE COUNTY		DRAWN: RH	DATE: 01/28/2024	CHECKED: DT	DATE: 01/29/2024
CERTIFICATE OF AUTHORIZATION No. 3114		TOLL FREE 800-236-4569 PHONE 239-332-4569 FAX 239-332-4569		PROJECT NAME: WOP 332 PRE-STORM BATHYMETRIC SURVEYS		ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS MUST BE MADE TO THE ORIGINAL DRAWING. NO REVISIONS WILL BE MADE TO THE ORIGINAL DRAWING.	
PREPARED BY: DARRIN TOWNSEND PROFESSIONAL SURVEYOR AND MAPPER FLORIDA CERTIFICATE NO. 6476 SINCE 01/01/2018		SEE SHEET 1		NO. 1		DATE: 1	
				NO. 2		DATE: 2	
				NO. 3		DATE: 3	
				NO. 4		DATE: 4	
				NO. 5		DATE: 5	
				NO. 6		DATE: 6	
				NO. 7		DATE: 7	
				PAGE: 1944 / 1979		PAGE: 57-61 / 32-37	



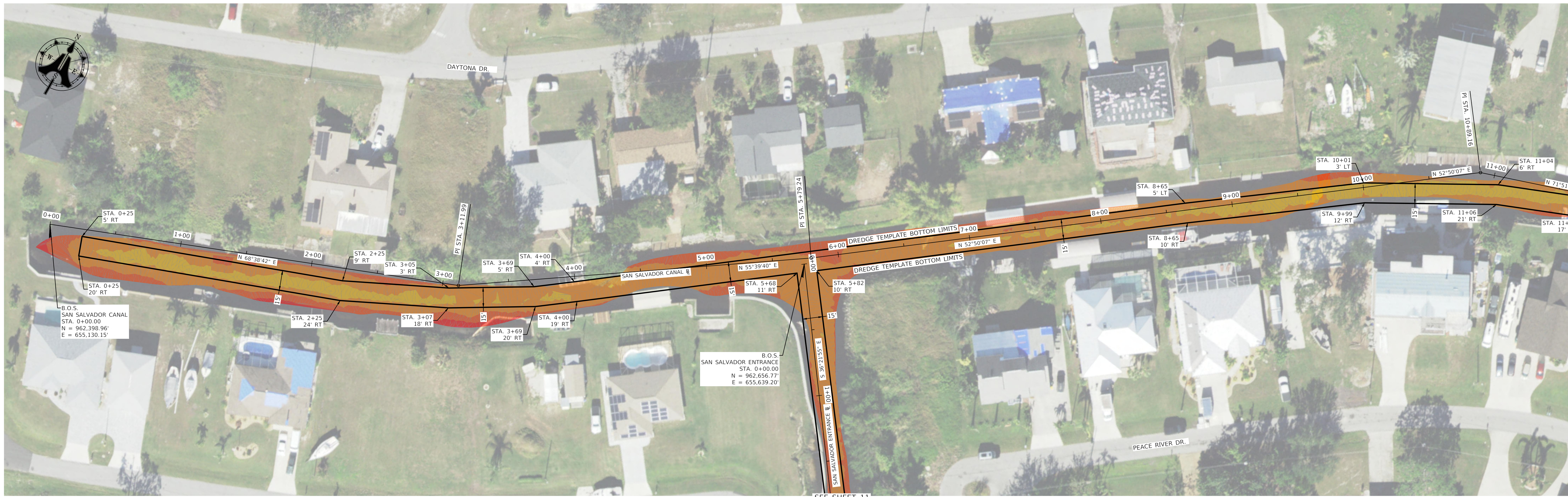
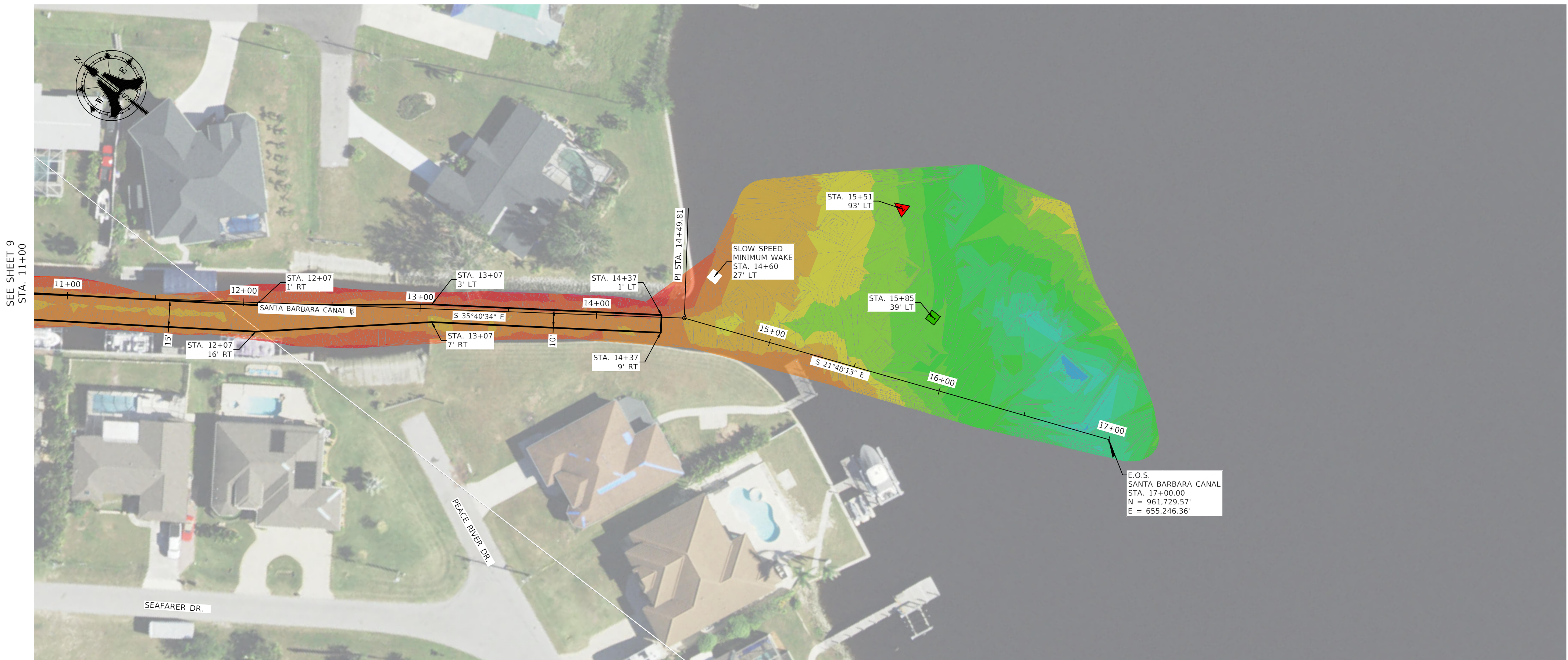
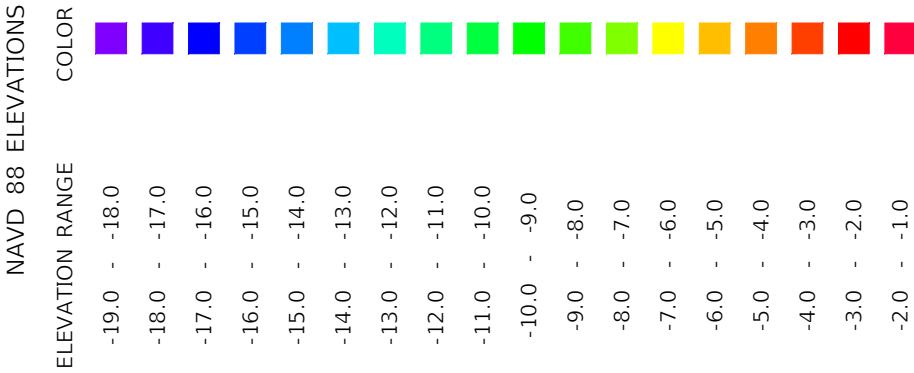
HYDROGRAPHIC SURVEY

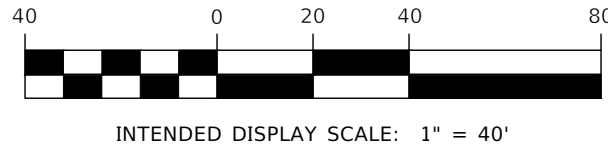
HARBOR HEIGHTS WATERWAYS

CHARLOTTE COUNTY, FLORIDA



HYDROGRAPHIC SURVEY		PROJECT NO.		FILE NAME		SHEET	
HARBOR HEIGHTS WATERWAYS		24-1940		24-1940_P303		9	
COUNTY:		SECTION:		TOWNSHIP:		RANGE:	
CHARLOTTE		24-1940		S		E	
DATE:		BY:		REVISIONS:			
01/29/2024		JH		1			
01/29/2024		JH		2			
01/29/2024		JH		3			
01/29/2024		JH		4			
01/29/2024		JH		5			
01/29/2024		JH		6			
01/29/2024		JH		7			
ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND THE ORIGINAL DRAWING(S) MUST BE KEPT ON FILE FOR 5 YEARS AFTER THE DATE OF THE LAST REVISION.		PROJECT NAME:		FIELD BOOK:		PAGE:	
WOM 322 PRE-STORM BATHYMETRIC SURVEYS		PREPARED BY: AIM ENGINEERING & SURVEYING, INC.		1944 / 1979		57.61 / 32.37	
SEE SHEET 1		SEE SHEET 10		SEE SHEET 11		SEE SHEET 12	
DARREN TOWNSEND		DARREN TOWNSEND		DARREN TOWNSEND		DARREN TOWNSEND	
PROFESSIONAL ENGINEER AND MAPPER		PROFESSIONAL ENGINEER AND MAPPER		PROFESSIONAL ENGINEER AND MAPPER		PROFESSIONAL ENGINEER AND MAPPER	
FLORIDA CERTIFICATE NO. 6476		FLORIDA CERTIFICATE NO. 6476		FLORIDA CERTIFICATE NO. 6476		FLORIDA CERTIFICATE NO. 6476	
STATE OF FLORIDA, COUNTY OF CHARLOTTE		STATE OF FLORIDA, COUNTY OF CHARLOTTE		STATE OF FLORIDA, COUNTY OF CHARLOTTE		STATE OF FLORIDA, COUNTY OF CHARLOTTE	

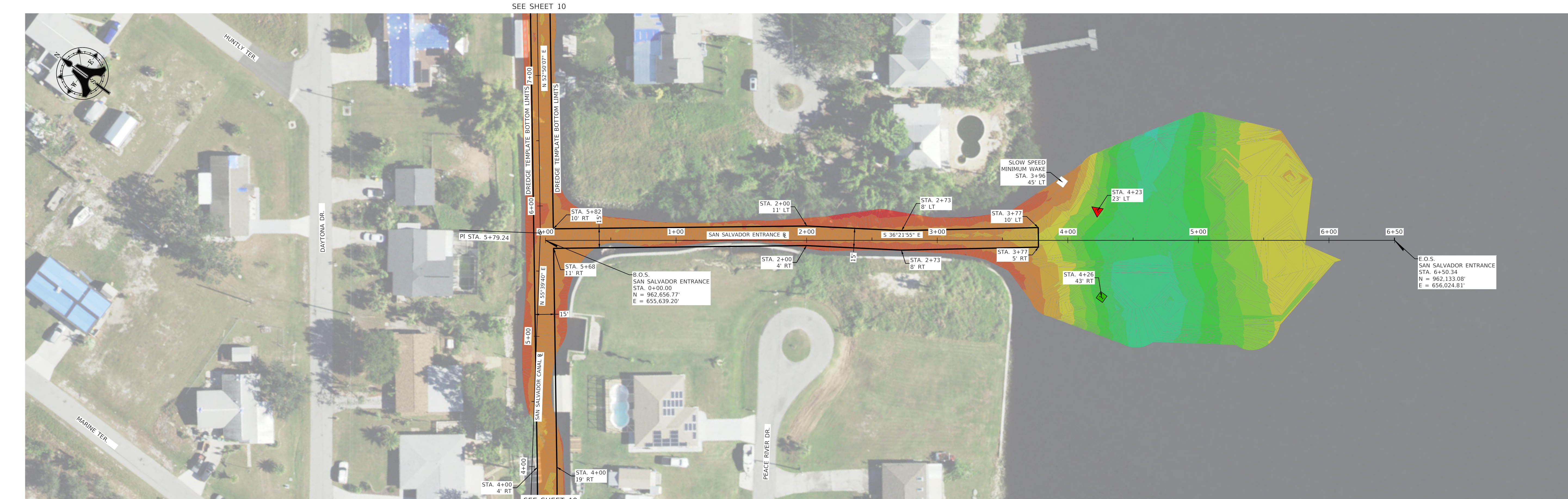
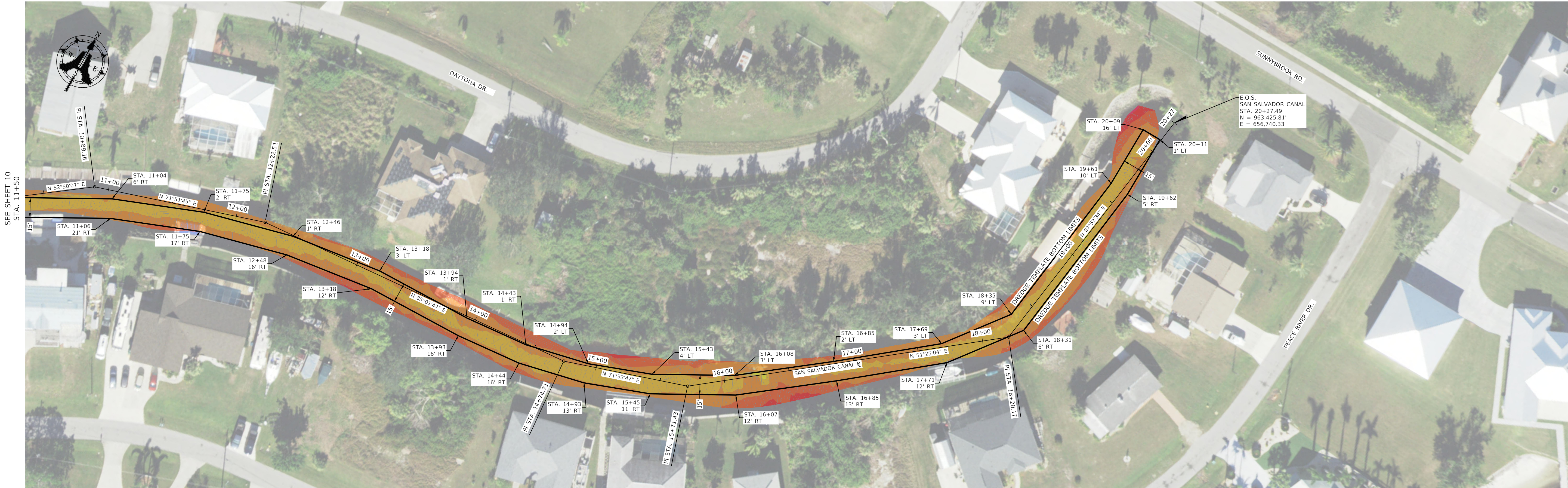
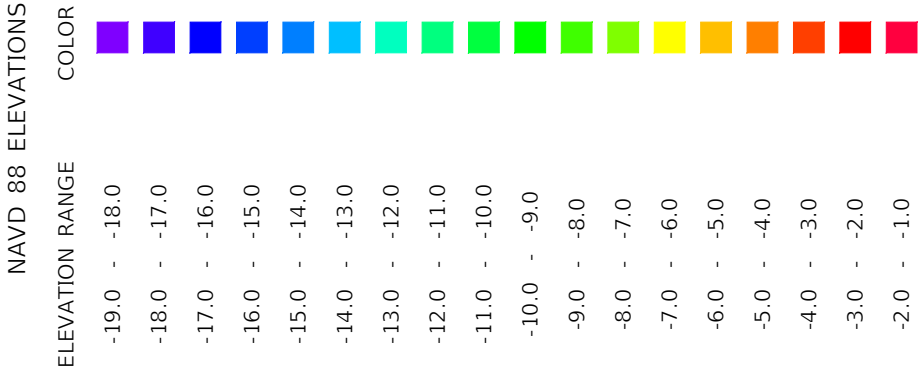
[illegible]



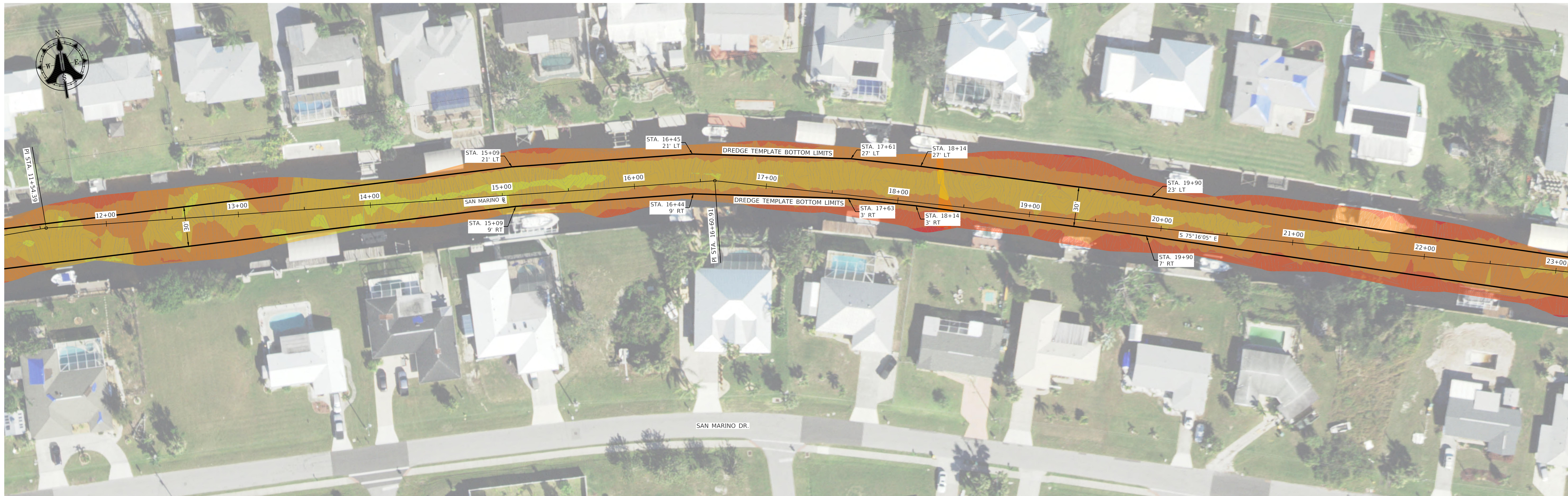
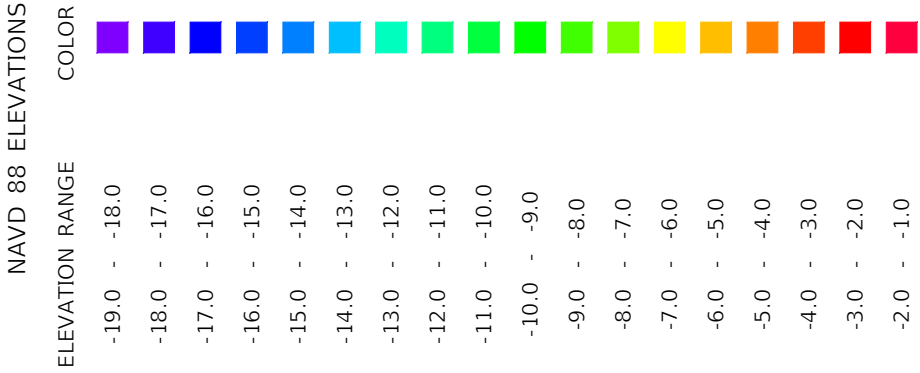
HYDROGRAPHIC SURVEY

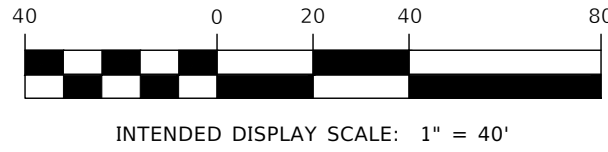
HARBOR HEIGHTS WATERWAYS

CHARLOTTE COUNTY, FLORIDA



HYDROGRAPHIC SURVEY HARBOR HEIGHTS WATERWAYS		PROJECT NO. 24-1940-P303		TILE NAME 24-1940-P303	
		COUNTY CHARLOTTE	SECTION S	TOWNSHIP 5	RANGE E
SHEET 11		J:\Active\24-1940-W0322 Charlotte Co Pre-Storm Bathymetry\2407_RH WORKING\24-1940-PH03.dwg 1/30/2025 1:52:09 PM			
AIM Engineering & Surveying, Inc. CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT 2361 FOWLER STREET, SUITE 100 FORT MYERS, FLORIDA 33901 www.aimengr.com		CLIENT CHARLOTTE COUNTY		DATE 01/29/2024	
		DRAWN RH		DT 01/29/2024	
PROJECT NAME W0322 PRE-Storm BATHYMETRIC SURVEYS PREPARED BY: AIM ENGINEERING & SURVEYING, INC. SEE SHEET 1 DARRIN TOWNSHEND PROFESSOR OF SURVEYING FLORIDA CERTIFICATE NO. 6476		CHECKED DT		DATE 01/29/2024	
		DATE 01/29/2024		DATE 01/29/2024	
ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) SHALL BE MADE BY THE ORIGINAL DESIGNER. INC. IS PROHIBITED.		NO.		DATE	
1		2		3	
2		3		4	
3		4		5	
4		5		6	
5		6		7	
6		7		8	
7		8		9	

[illegible]

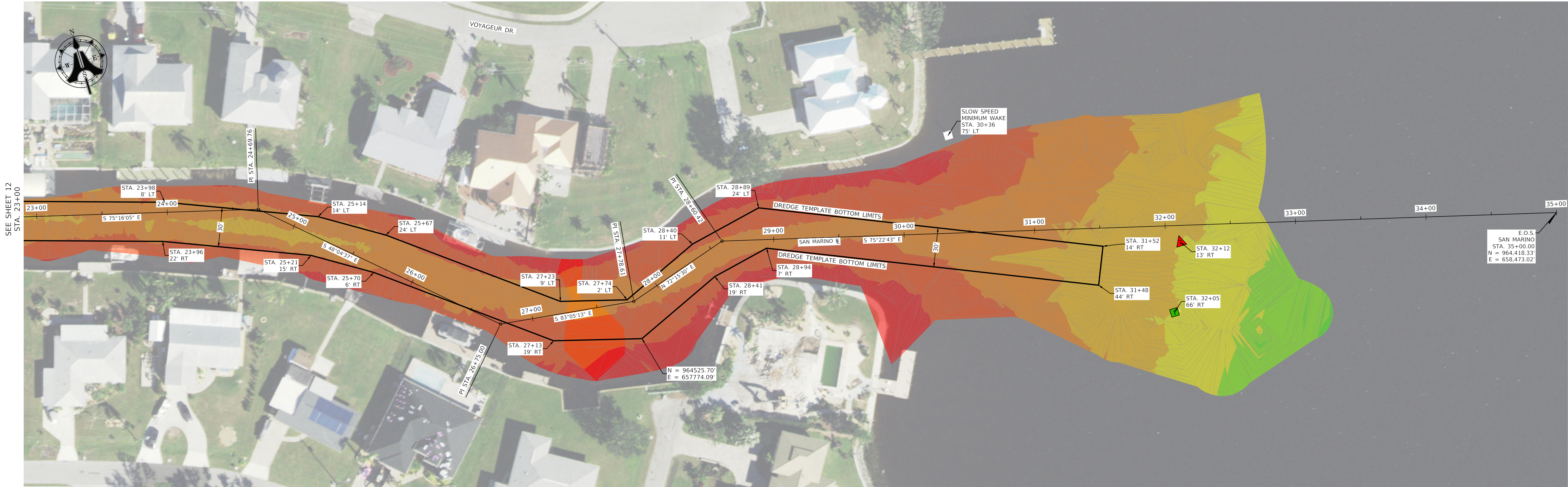


HYDROGRAPHIC SURVEY

HARBOR HEIGHTS WATERWAYS

CHARLOTTE COUNTY, FLORIDA

NAVD 88 ELEVATIONS	COLOR
ELEVATION RANGE	
-19.0 - -18.0	
-18.0 - -17.0	
-17.0 - -16.0	
-16.0 - -15.0	
-15.0 - -14.0	
-14.0 - -13.0	
-13.0 - -12.0	
-12.0 - -11.0	
-11.0 - -10.0	
-10.0 - -9.0	
-9.0 - -8.0	
-8.0 - -7.0	
-7.0 - -6.0	
-6.0 - -5.0	
-5.0 - -4.0	
-4.0 - -3.0	
-3.0 - -2.0	
-2.0 - -1.0	



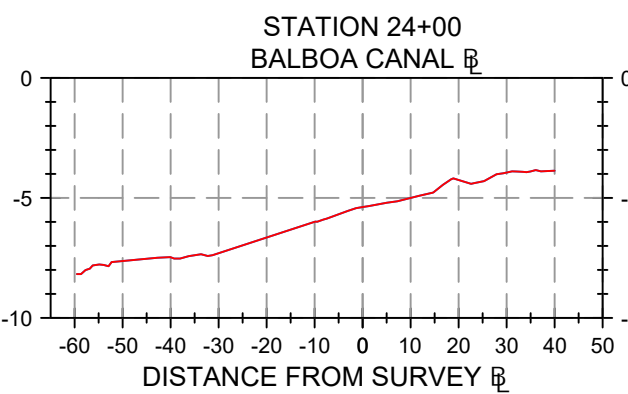
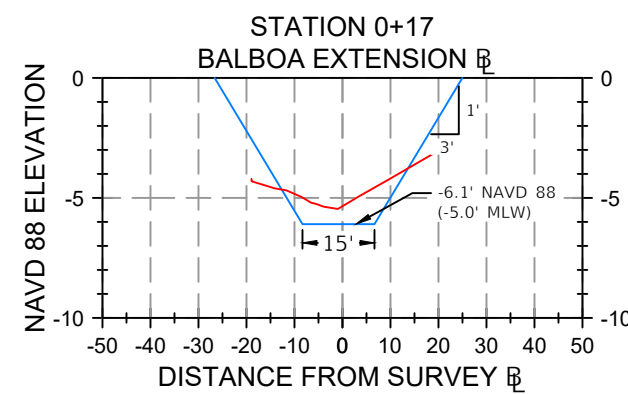
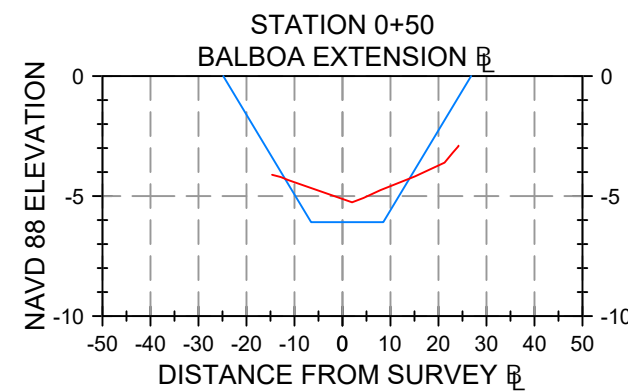
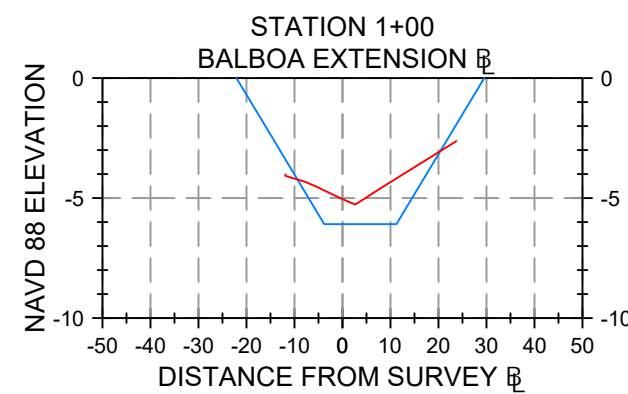
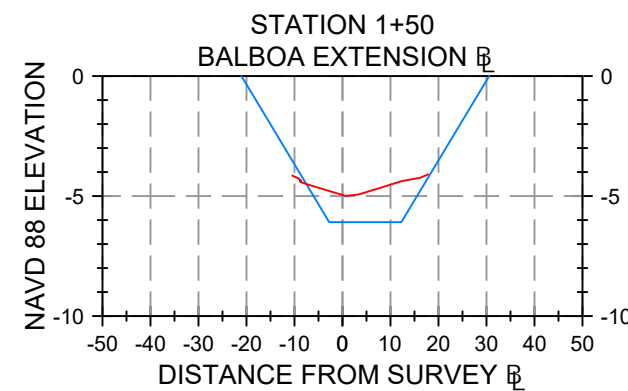
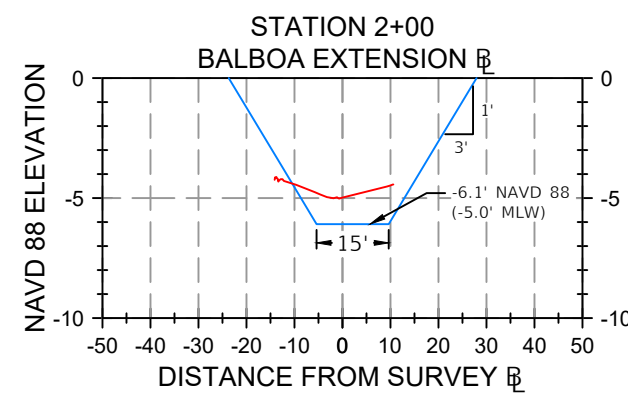
HYDROGRAPHIC SURVEY HARBOR HEIGHTS WATERWAYS	PROJECT NO. 24-1940	TITLE NAME 24-1940_P003	SHEET 13	
	COUNTY CHARLOTTE	TOWNSHIP S		RANGE E
	DATE 23			
AIM Engineering & Surveying, Inc. CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT 2361 FOWLER STREET, SUITE 100 FORT MYERS, FLORIDA 33901 www.aimengr.com	CLIENT CHARLOTTE COUNTY	DRAWN RH	CHECKED DT	DATE 01/29/2024
	CERTIFICATE OF AUTHORIZATION No. 3114 TOLL FREE 800-328-4569 PHONE 239-332-4569 www.aimengr.com			
PROJECT NAME WOM 322 PRE-STORM BATHYMETRIC SURVEYS		PREPARED BY: AIM ENGINEERING & SURVEYING, INC. SEE SHEET 1 DARREN TOWNSHEND PROFESSOR OF PRACTICE AND MAPPER FLORIDA CERTIFICATE NO. 6476		
ANY REVISIONS, ALTERATIONS, AND OR CHANGES TO DRAWING(S) MUST BE MADE TO THE ORIGINAL DRAWING(S) AND THE ORIGINAL DRAWING(S) MUST BE KEPT ON FILE FOR THE LIFE OF THE PROJECT.		FIELD BOOK: 1944 / 1979 57.61 / 32.37		
REVISIONS:		NO.	DATE	BY:
		1		
		2		
		3		
		4		
		5		
		6		
		7		

HARBOR HEIGHTS WATERWAYS

CHARLOTTE COUNTY, FLORIDA

 = 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'

[illegible]

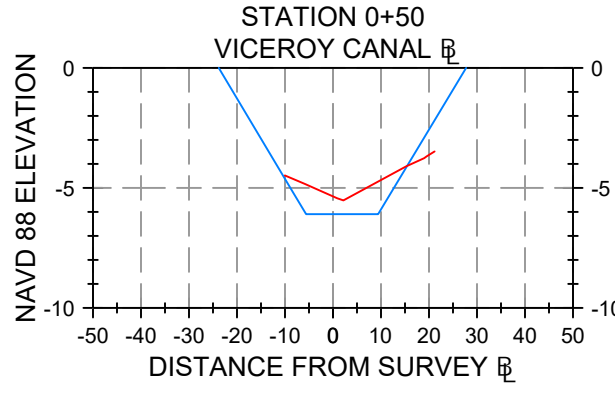
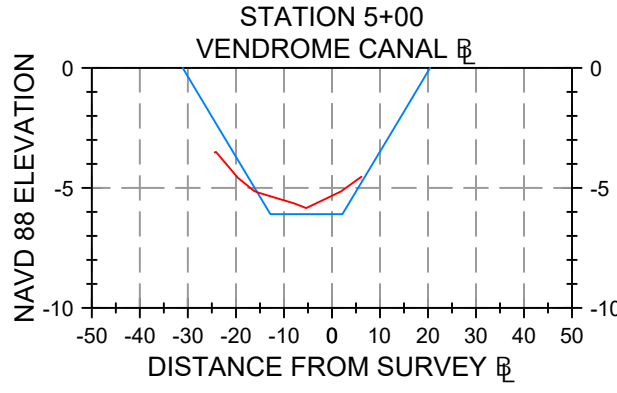
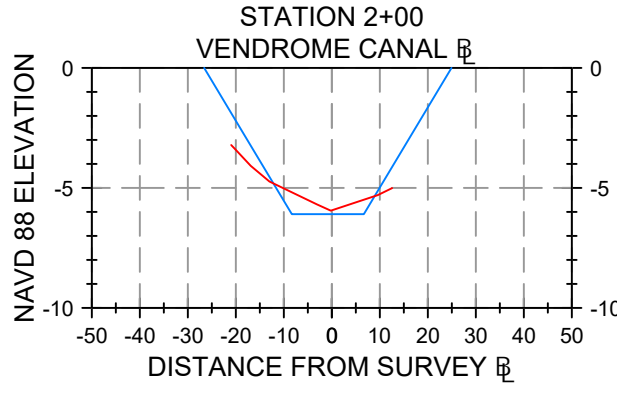
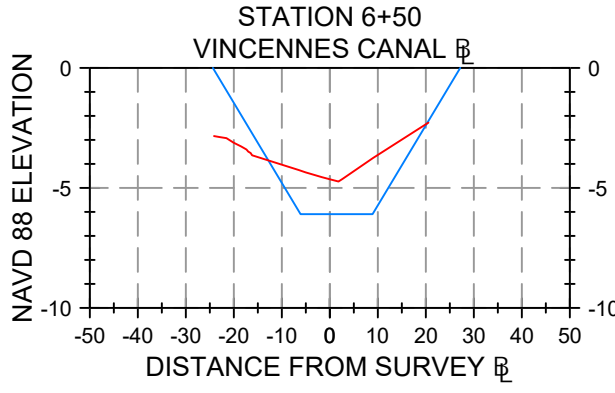
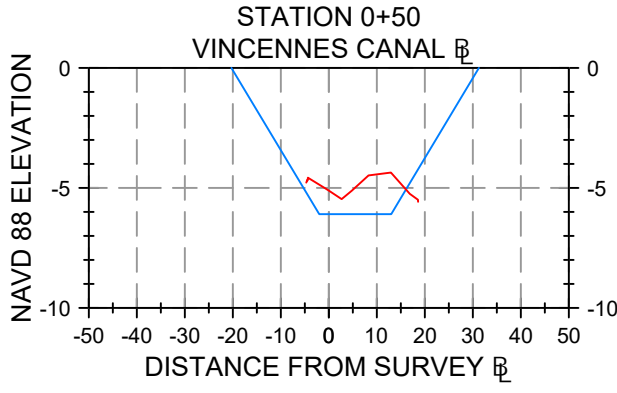
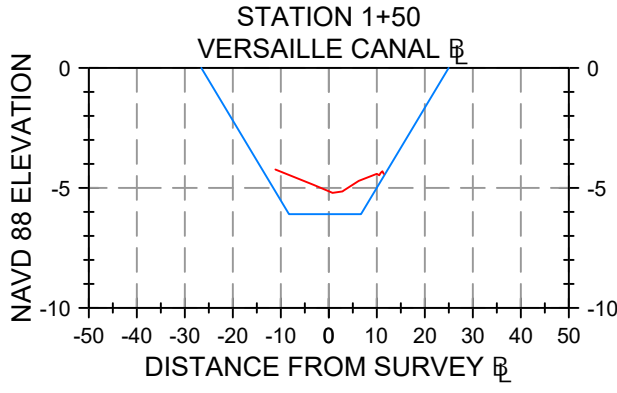
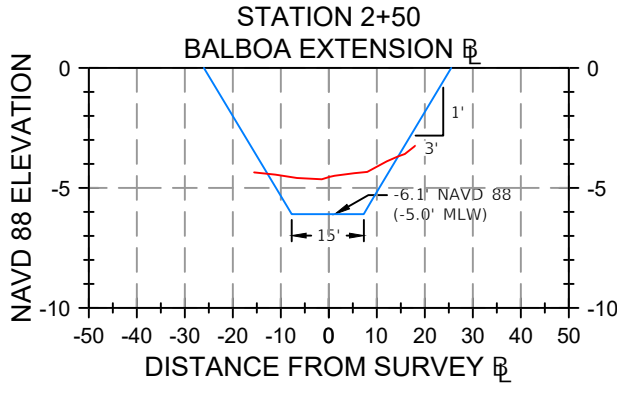
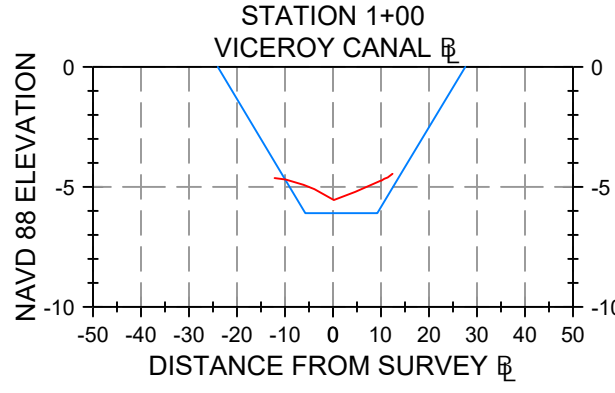
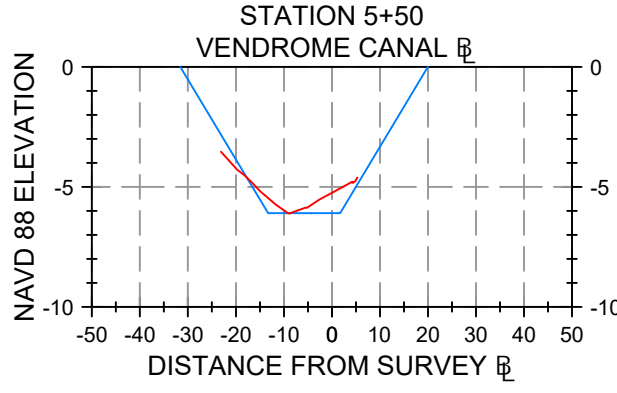
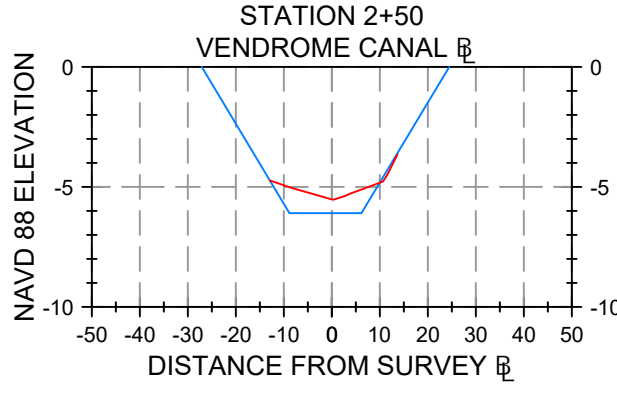
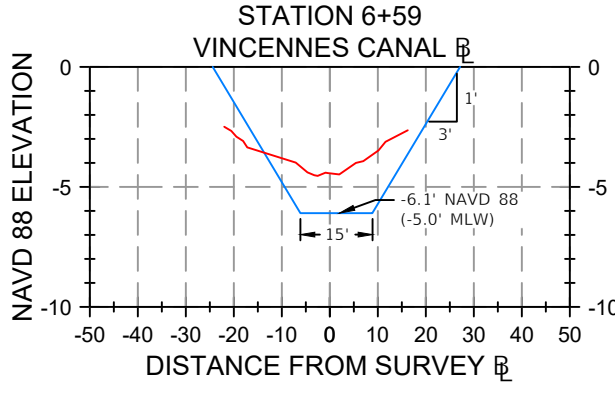
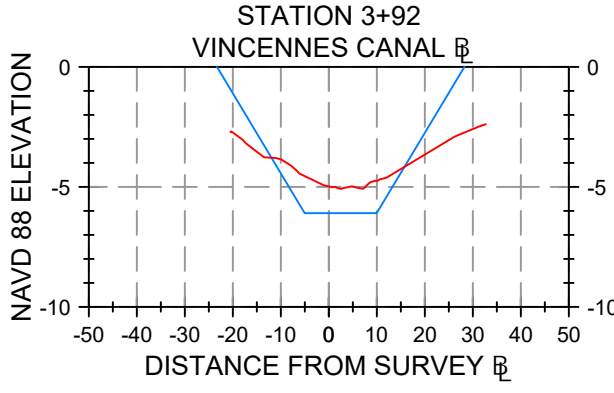
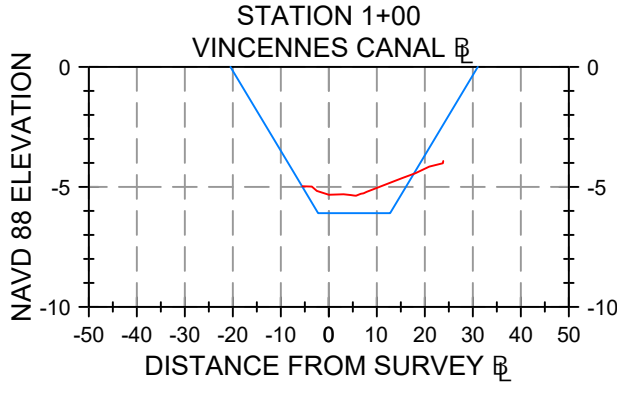
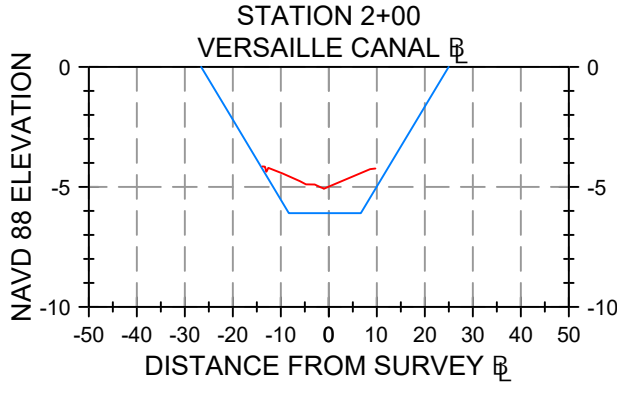
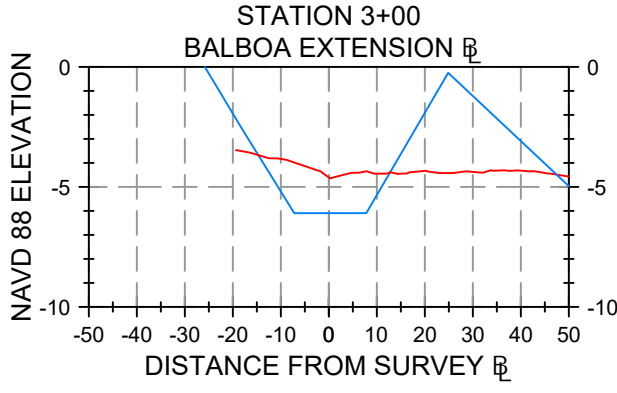
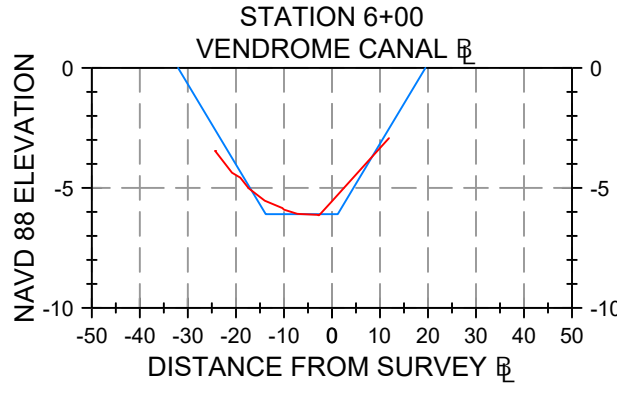
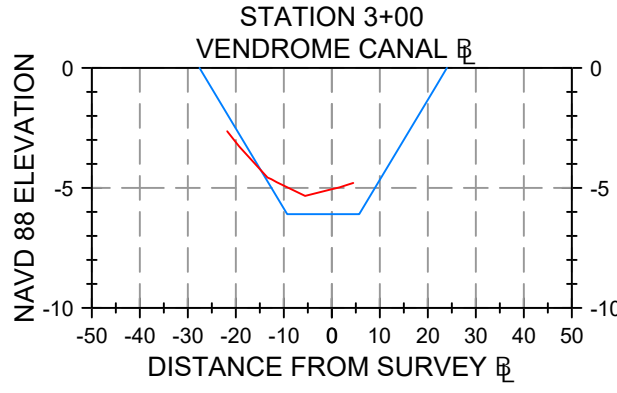
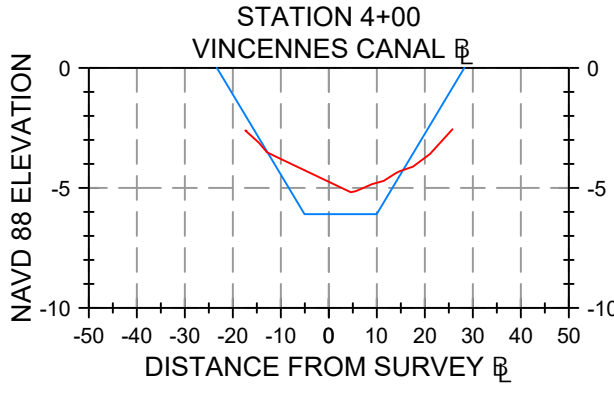
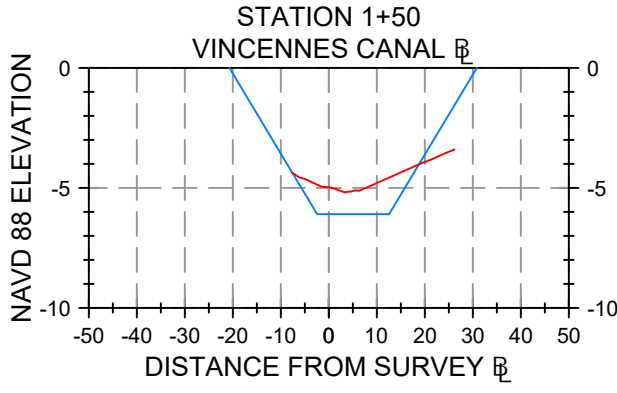
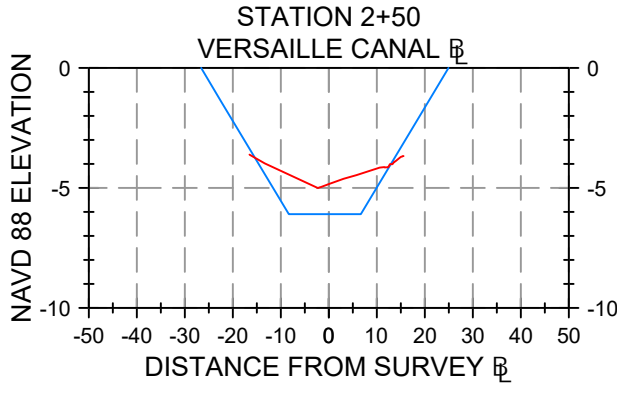
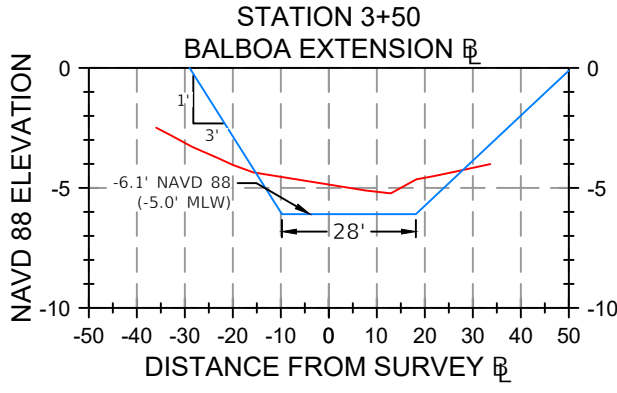
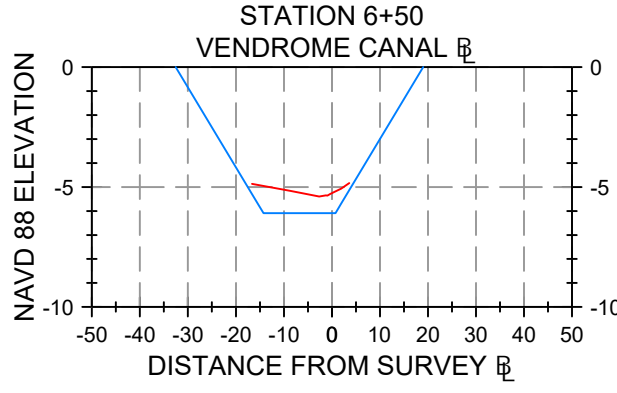
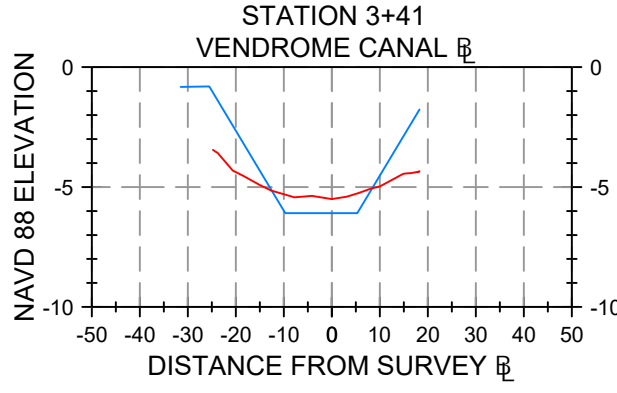
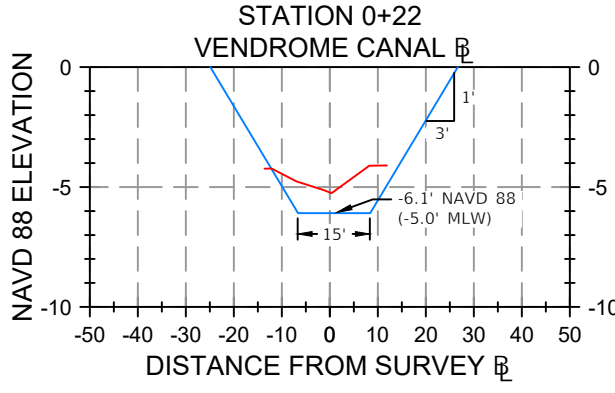
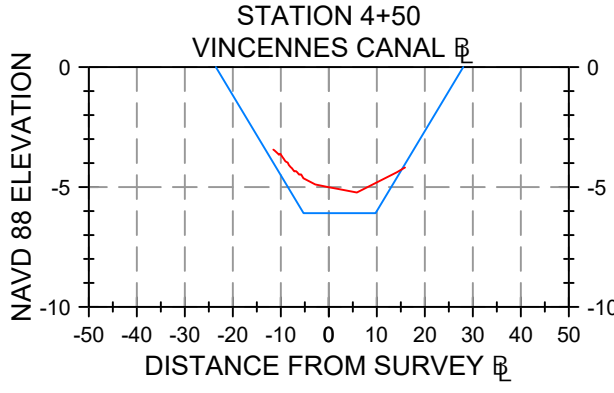
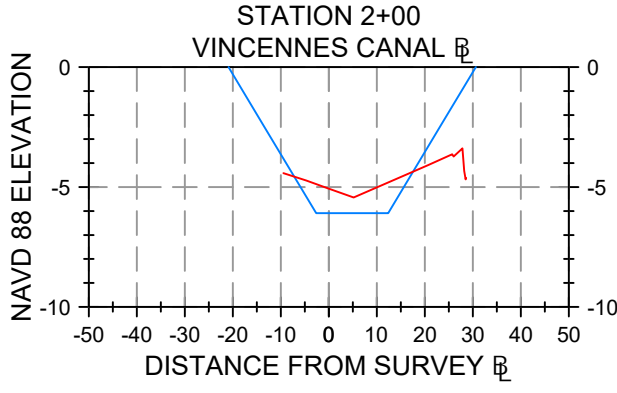
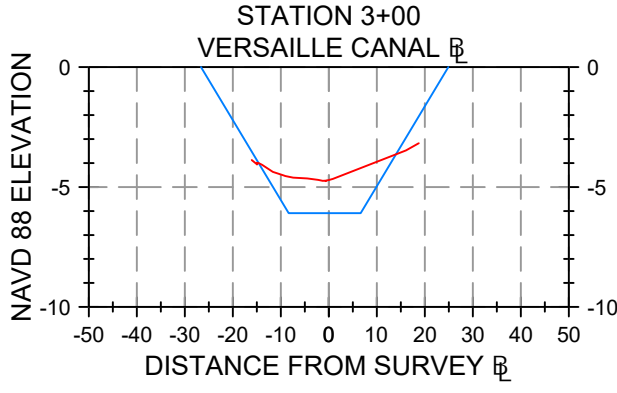
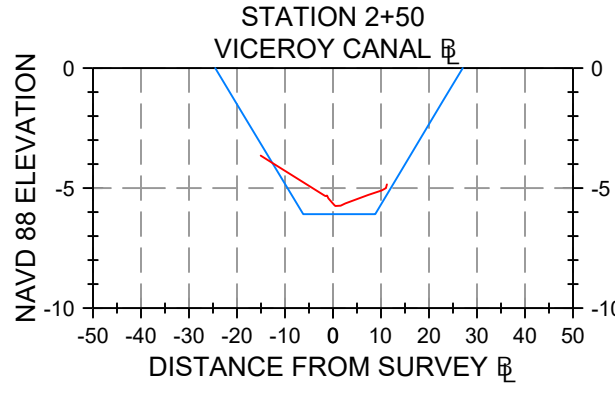
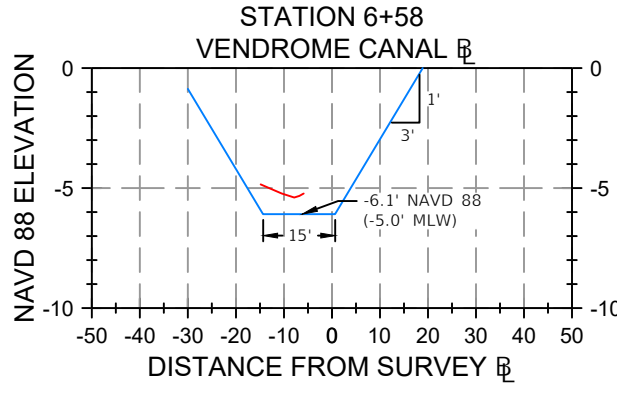
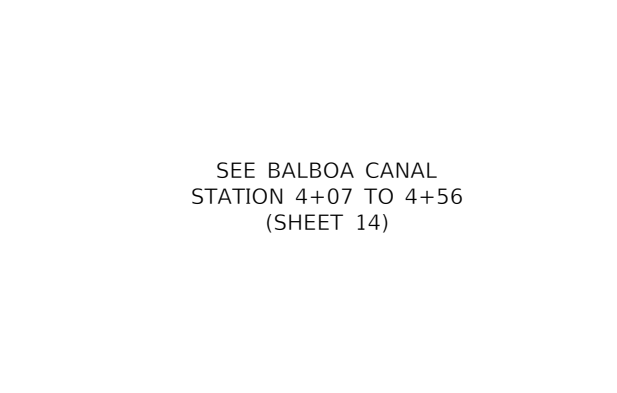
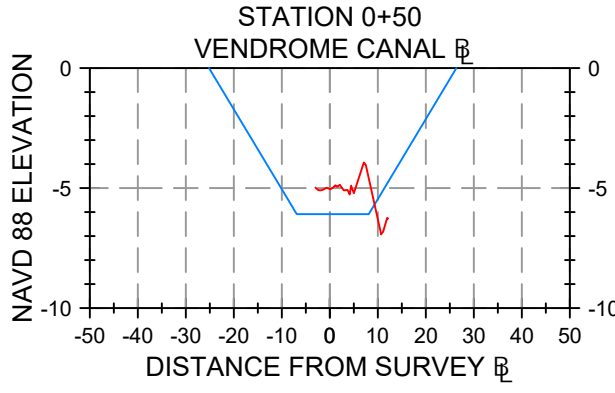
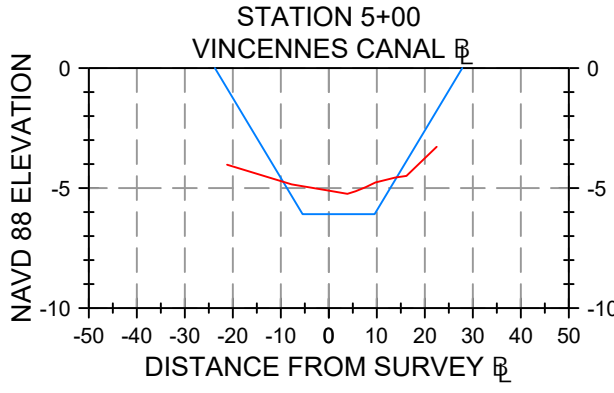
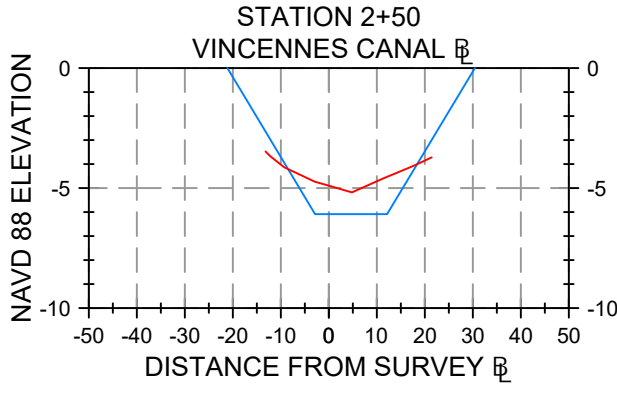
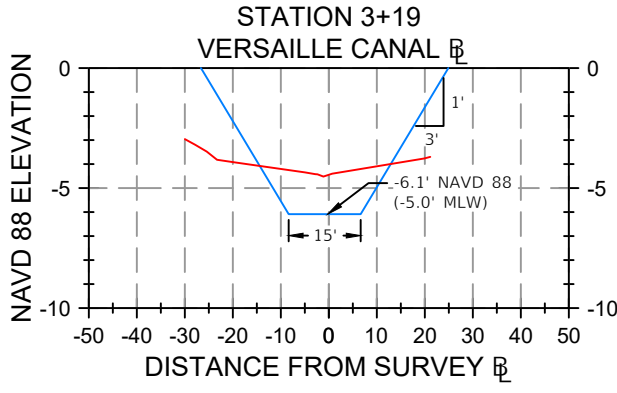
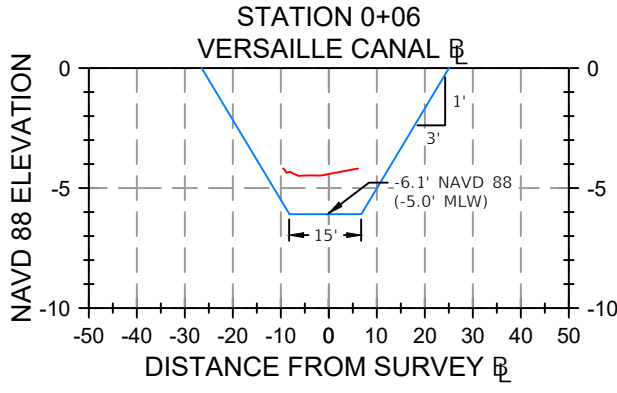
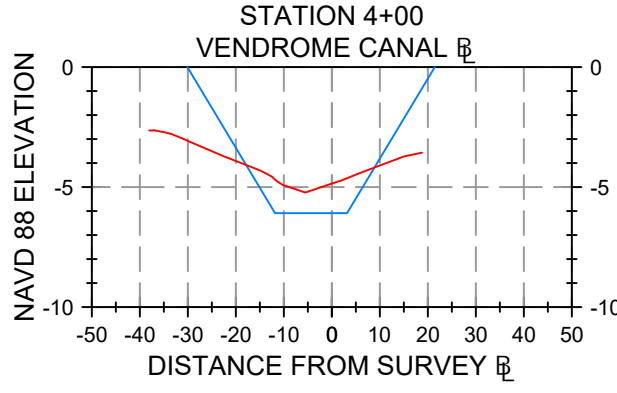
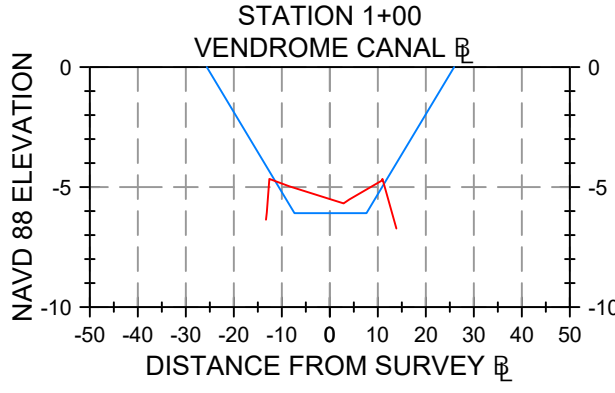
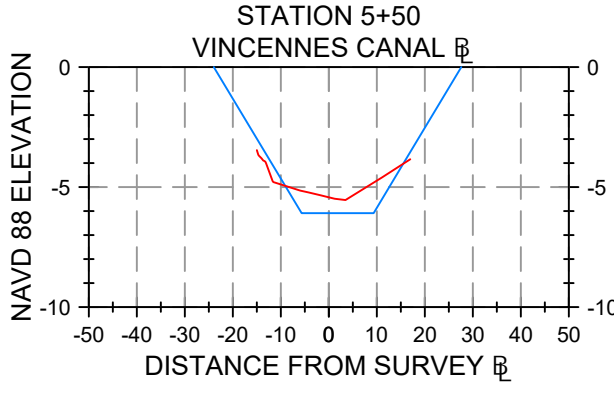
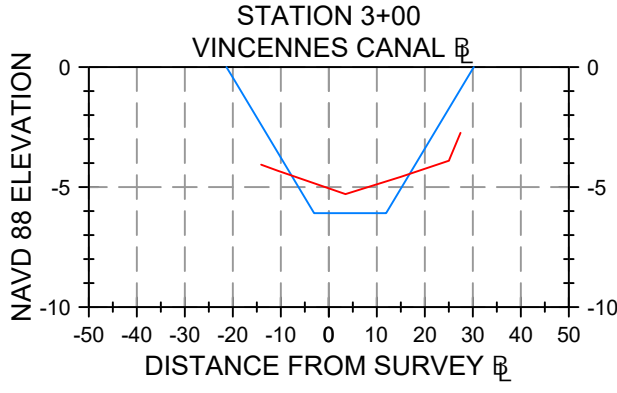
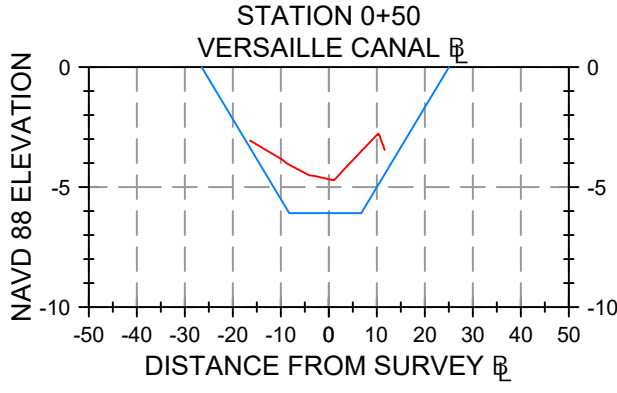
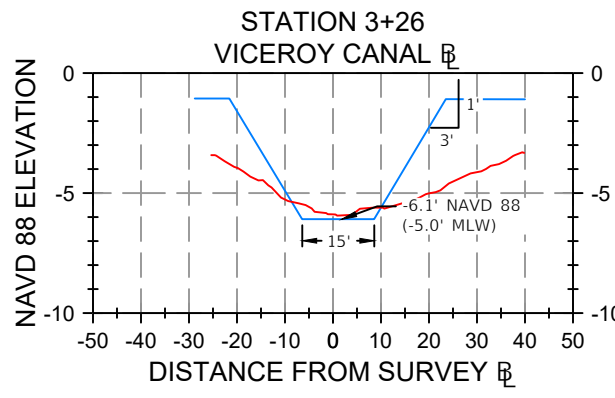
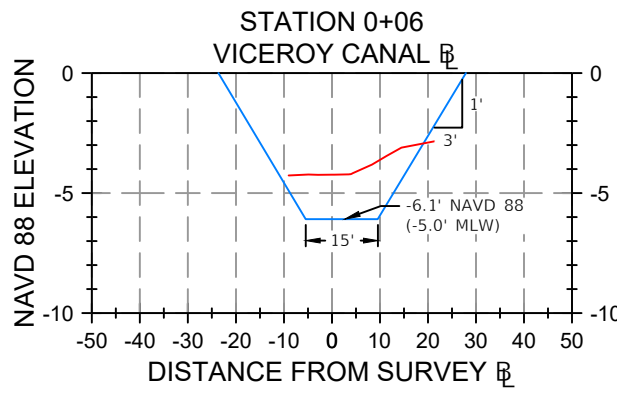
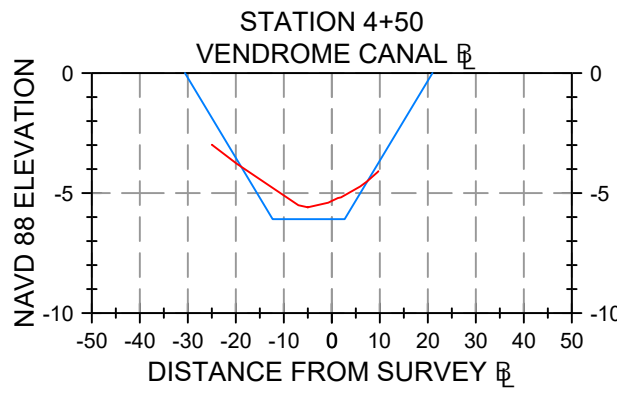
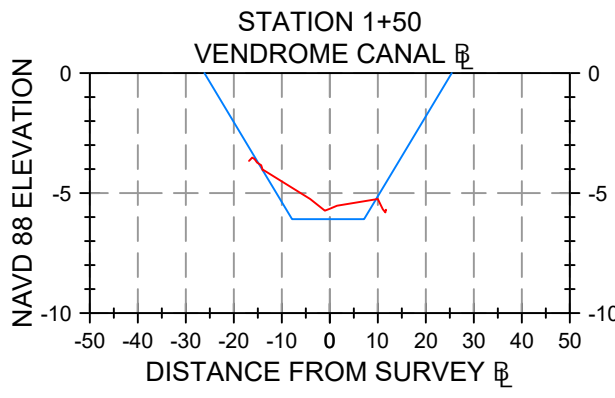
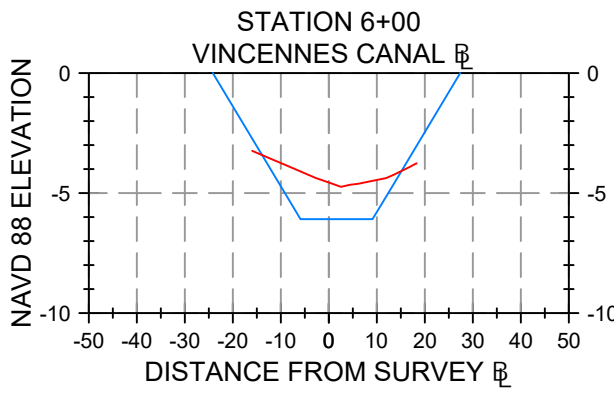
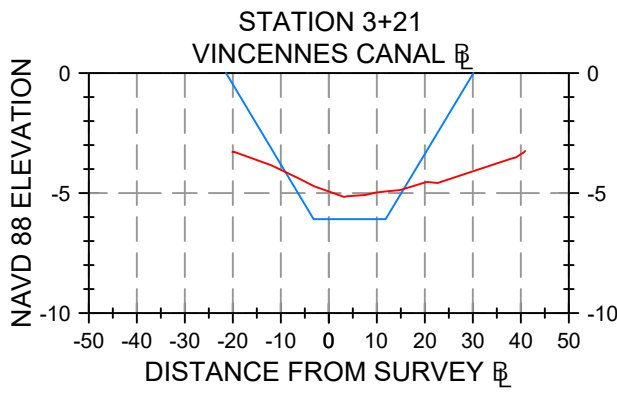
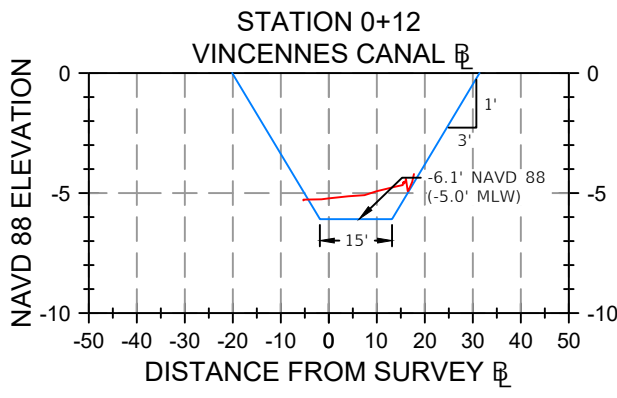
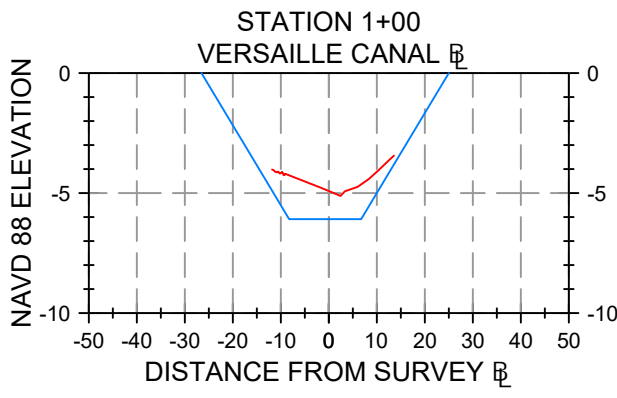
SECTION SHEET LEGEND:
= BASELINE
= EXISTING BOTTOM SURFACE
= DREDGE TEMPLATE
MLW = MEAN LOW WATER
NAVD 88 = NORTH AMERICAN DATUM OF 1988

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

HYDROGRAPHIC SURVEY

HARBOR HEIGHTS WATERWAYS

CHARLOTTE COUNTY, FLORIDA

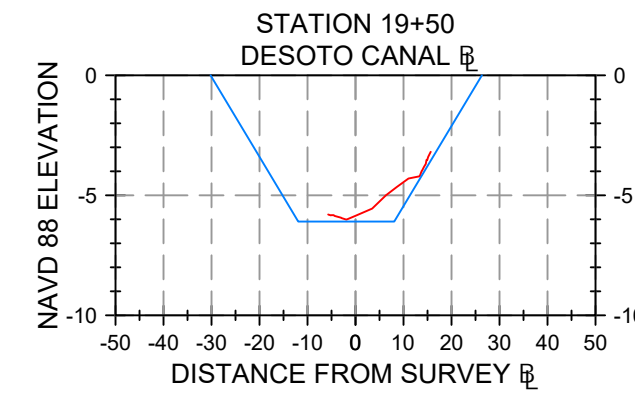
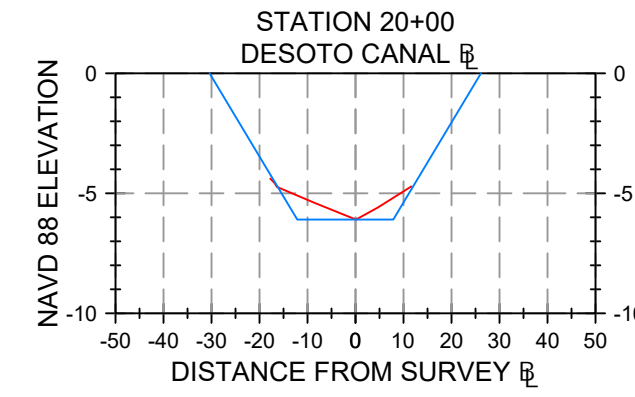
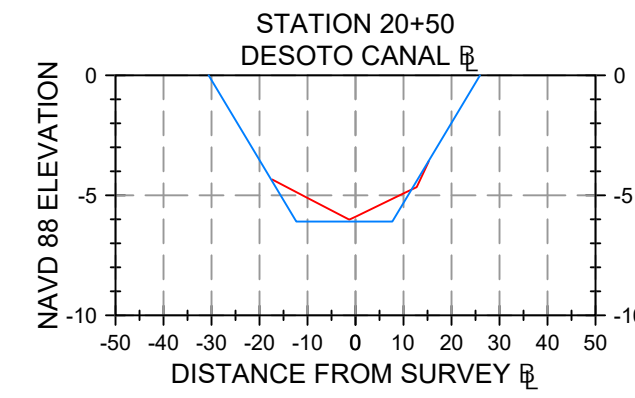
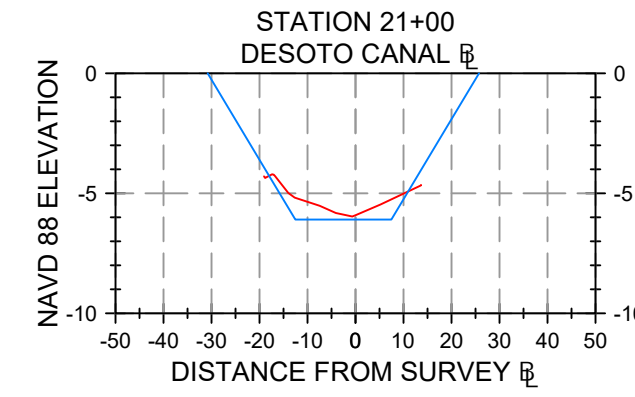
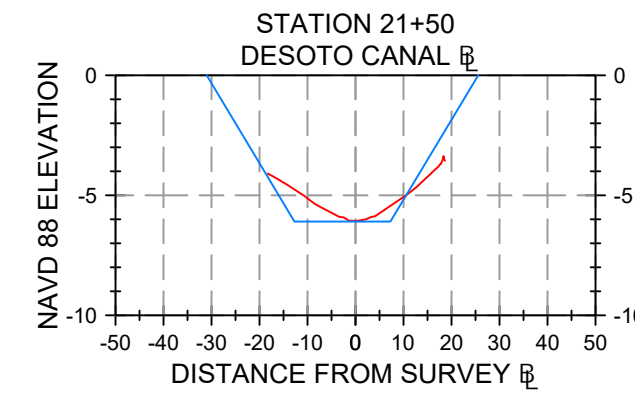
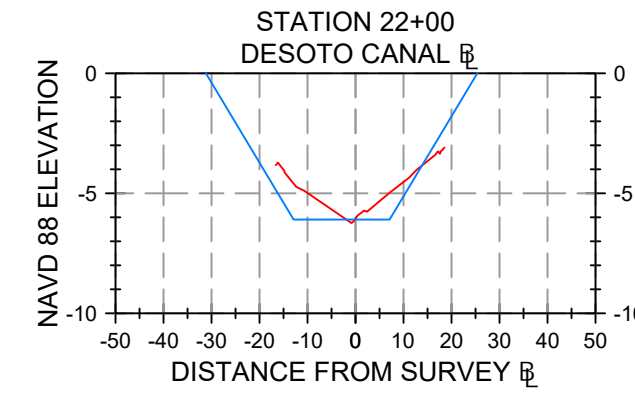
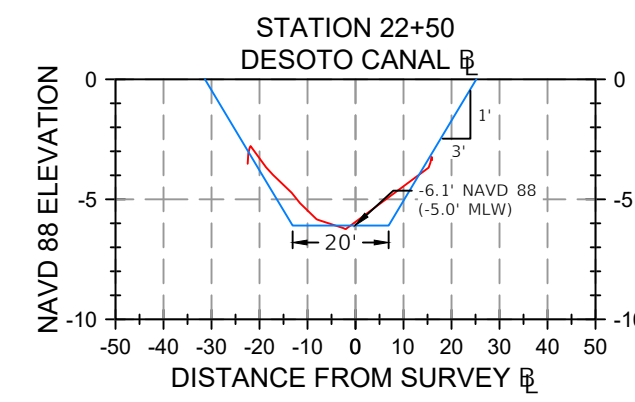


PROJECT NAME		W04 322 PRE-STORM BATHYMETRIC SURVEYS		PROJECT NO.		24-1940 PH304		SHEET NO.		15	
PREPARED BY: AIM ENGINEERING & SURVEYING, INC.		SEE SHEET 1		DATE		01/29/2024		COUNTY		CHARLOTTE	
DRAWN BY: DAKAREN TOWNSHEND		CHECKED BY: DAKAREN TOWNSHEND		DATE		01/29/2024		TOWNSHIP		S	
PROFESSOR: DAKAREN TOWNSHEND		FLORIDA CERTIFICATE NO. 6776		DATE		01/29/2024		SECTION		E	
SCALE: 1" = 40' HORIZONTAL, 1" = 8' VERTICAL		FIELD BOOK:		DATE		01/29/2024		RANGE		E	
1944 / 1979		57.61 / 32.37		DATE		01/29/2024		COUNTY		CHARLOTTE	
ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE MADE BY THE ORIGINAL SURVEYOR AND FIELD BOOKS MUST BE MAINTAINED.		FIELD BOOK:		DATE		01/29/2024		TOWNSHIP		S	
AIM ENGINEERING & SURVEYING, INC. IS PROHIBITED		FIELD BOOK:		DATE		01/29/2024		SECTION		E	
PROJECT NAME		W04 322 PRE-STORM BATHYMETRIC SURVEYS		PROJECT NO.		24-1940 PH304		SHEET NO.		15	
PREPARED BY: AIM ENGINEERING & SURVEYING, INC.		SEE SHEET 1		DATE		01/29/2024		COUNTY		CHARLOTTE	
DRAWN BY: DAKAREN TOWNSHEND		CHECKED BY: DAKAREN TOWNSHEND		DATE		01/29/2024		TOWNSHIP		S	
PROFESSOR: DAKAREN TOWNSHEND		FLORIDA CERTIFICATE NO. 6776		DATE		01/29/2024		SECTION		E	
SCALE: 1" = 40' HORIZONTAL, 1" = 8' VERTICAL		FIELD BOOK:		DATE		01/29/2024		RANGE		E	
1944 / 1979		57.61 / 32.37		DATE		01/29/2024		COUNTY		CHARLOTTE	
ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWING(S) MUST BE MADE BY THE ORIGINAL SURVEYOR AND FIELD BOOKS MUST BE MAINTAINED.		FIELD BOOK:		DATE		01/29/2024		TOWNSHIP		S	
AIM ENGINEERING & SURVEYING, INC. IS PROHIBITED		FIELD BOOK:		DATE		01/29/2024		SECTION		E	

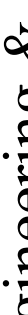
HARBOR HEIGHTS WATERWAYS CHARLOTTE COUNTY, FLORIDA

 = 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'



SEE BALBOA CANAL
STATION 0+55 TO 1+17
(SHEET 14)

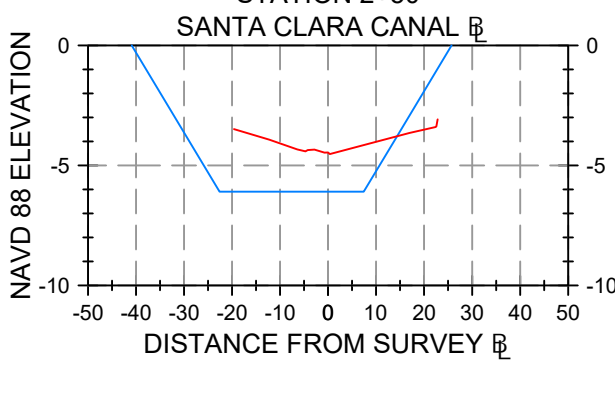
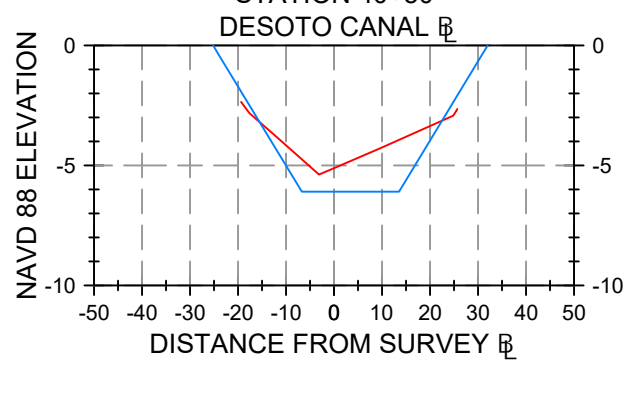
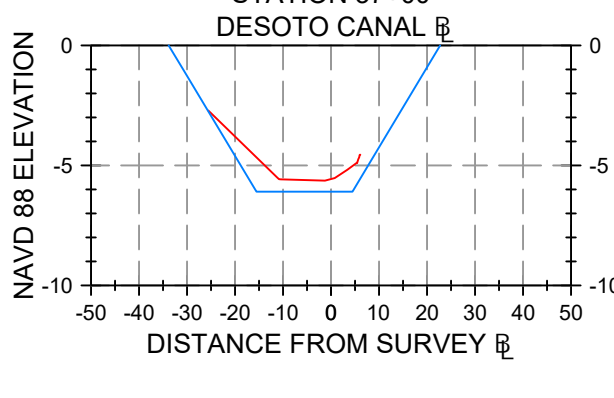
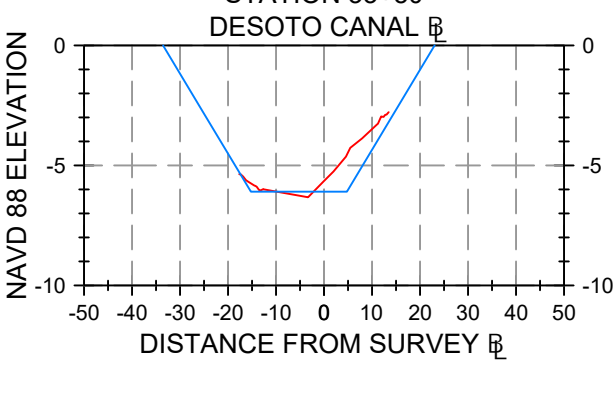
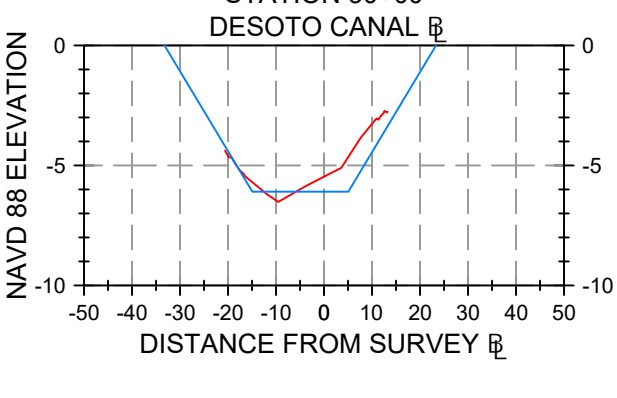
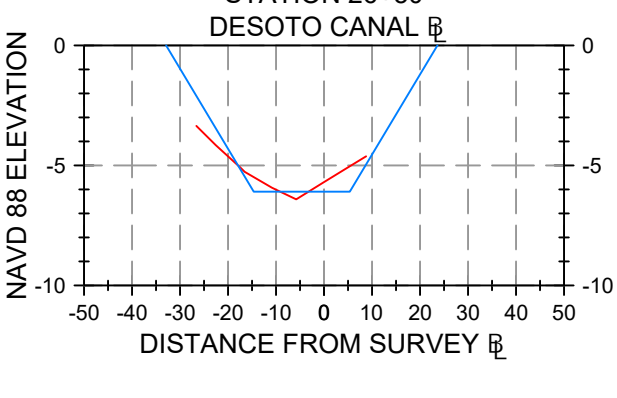
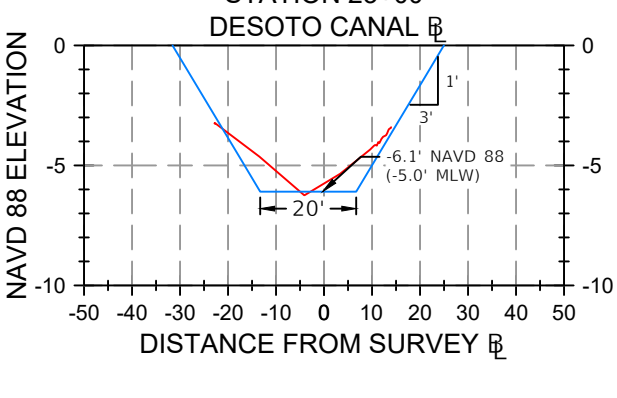
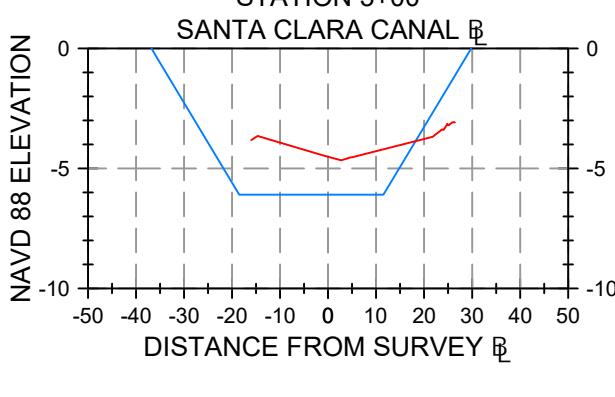
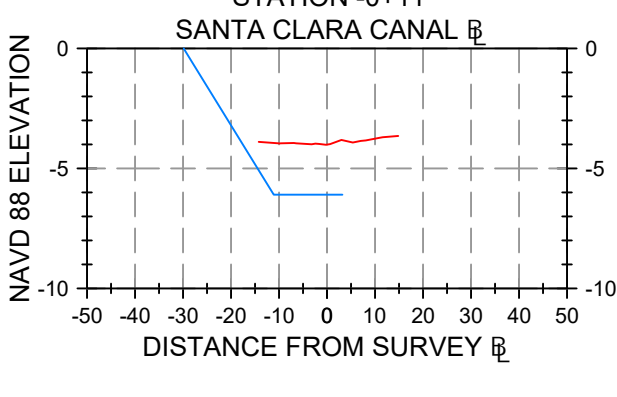
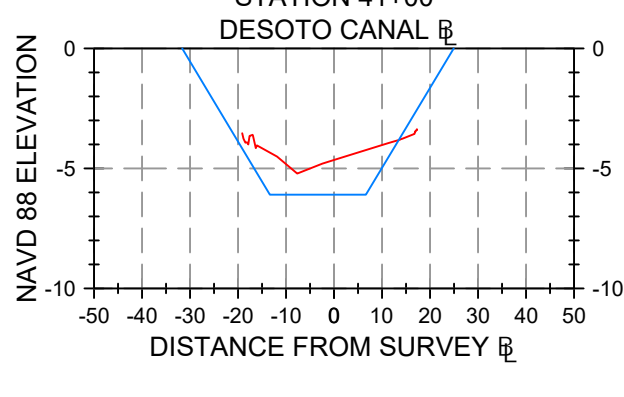
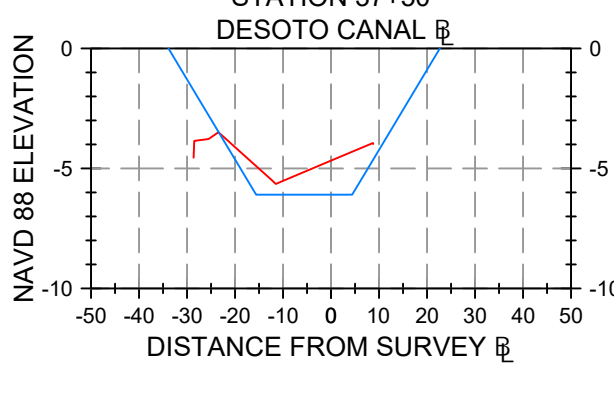
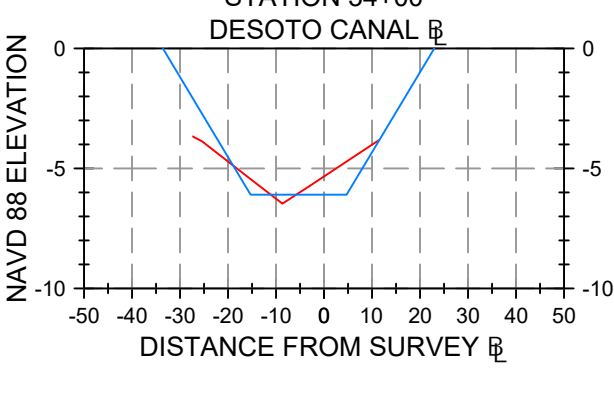
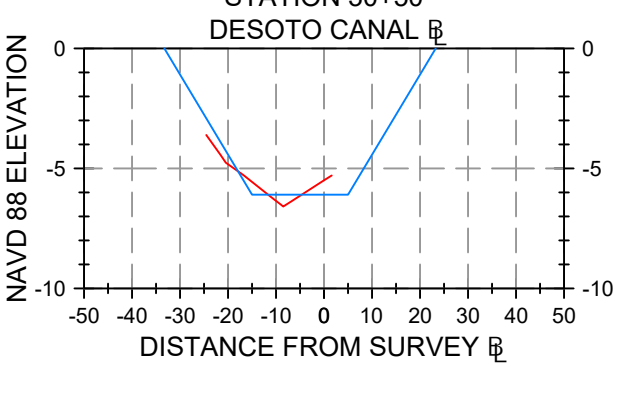
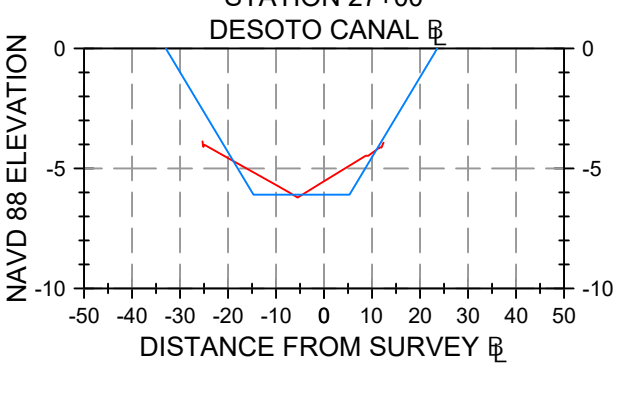
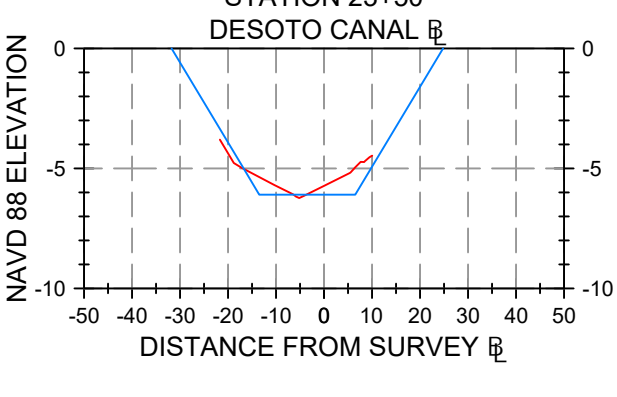
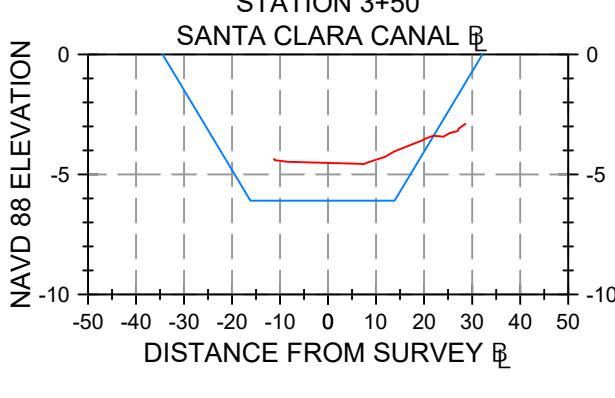
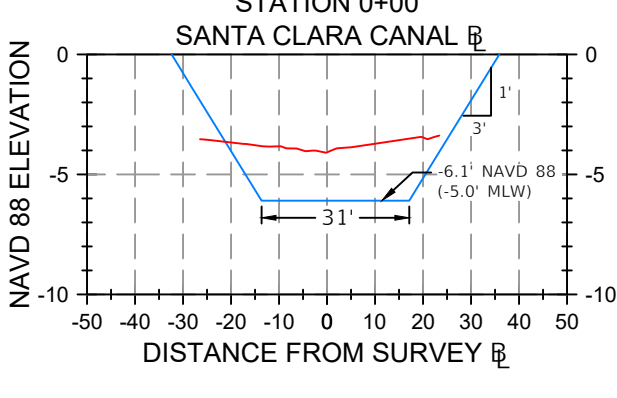
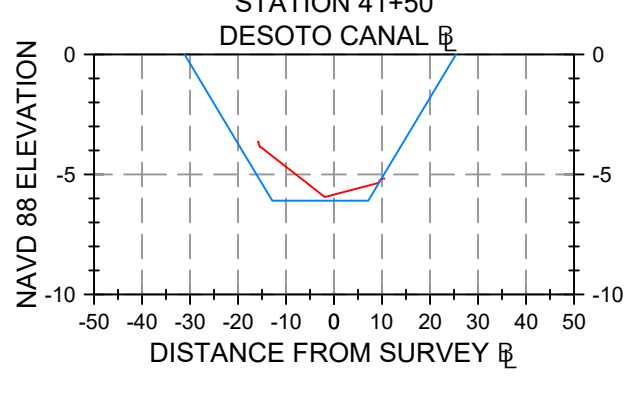
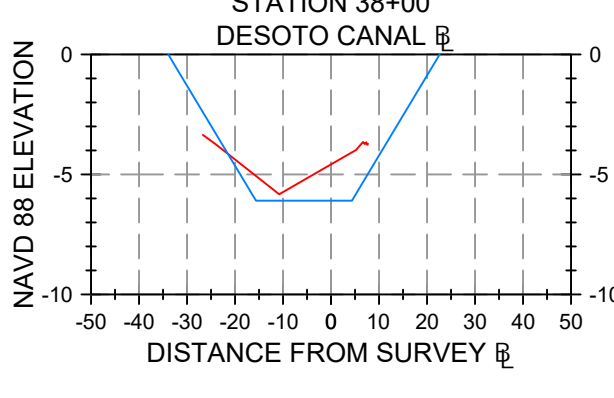
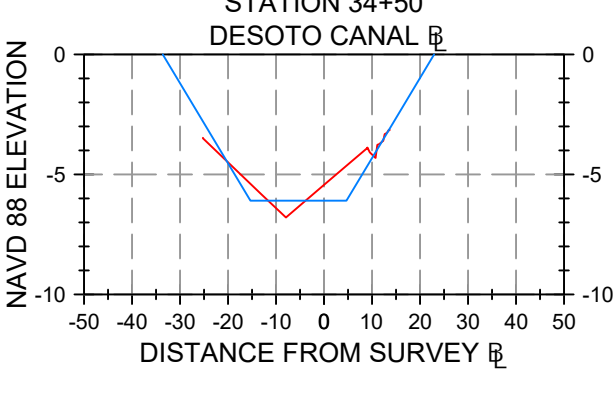
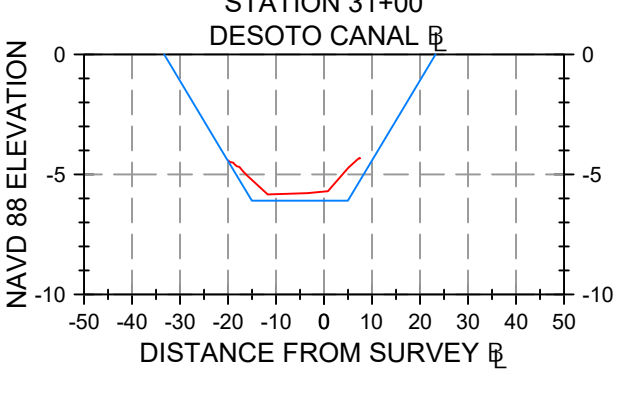
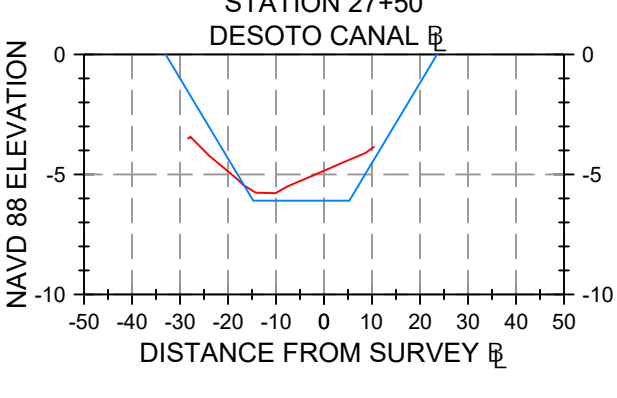
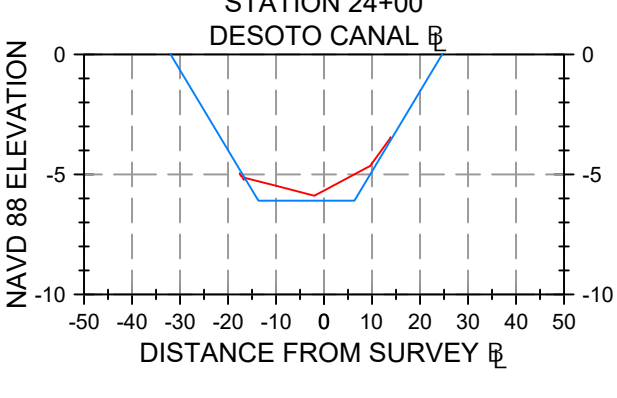
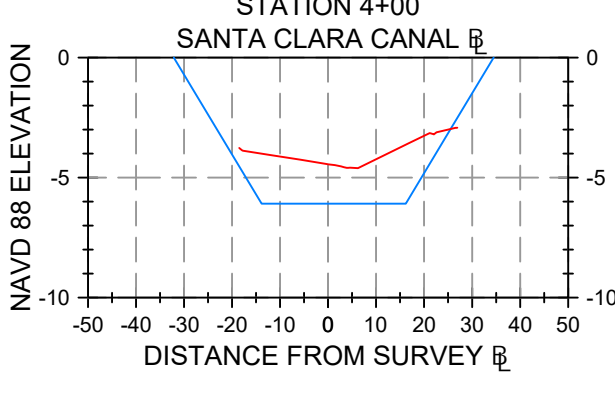
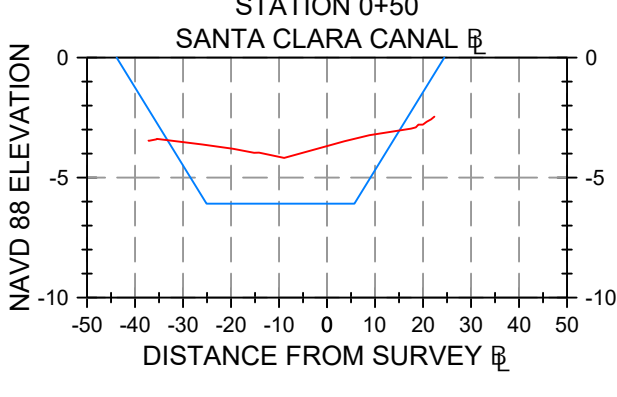
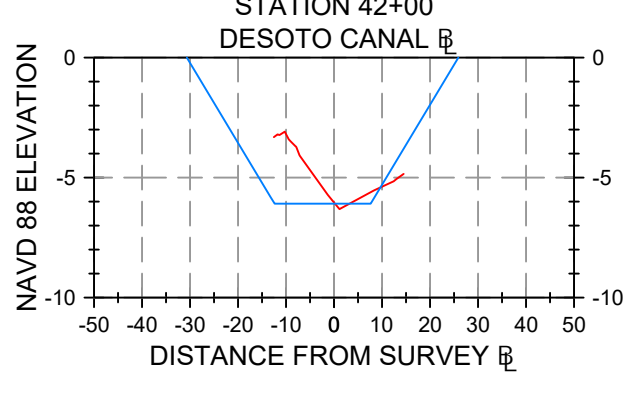
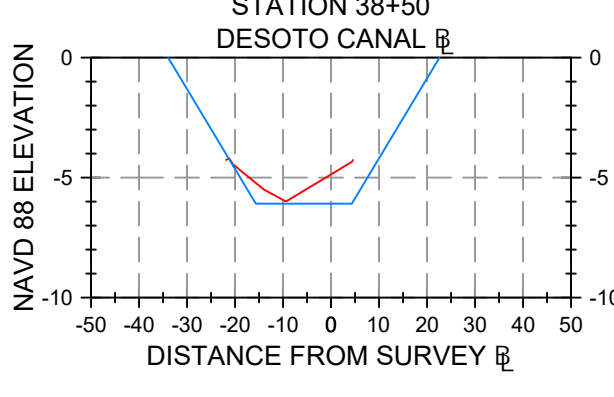
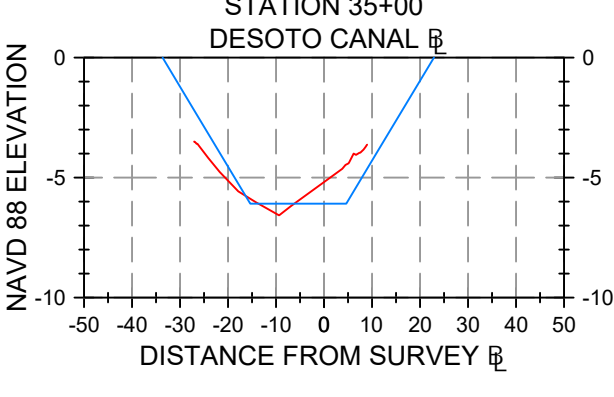
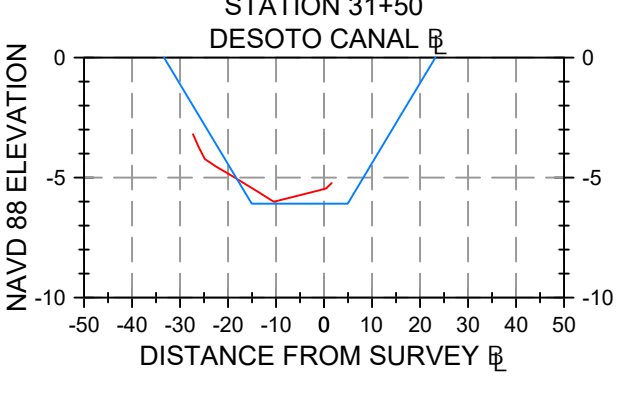
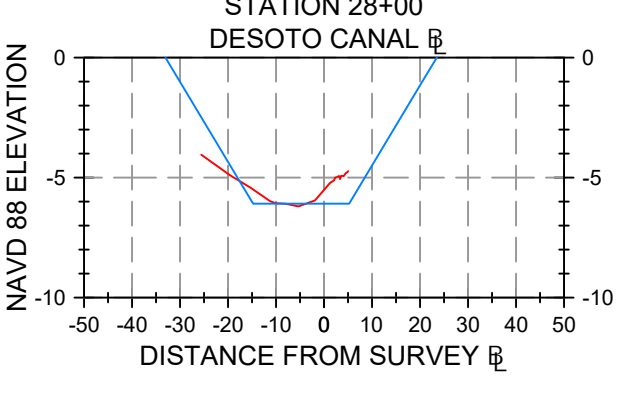
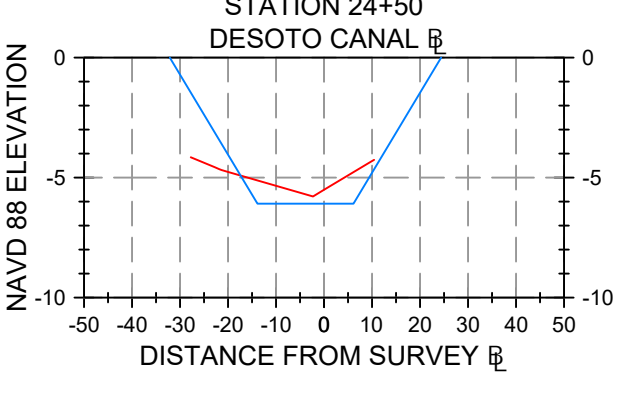
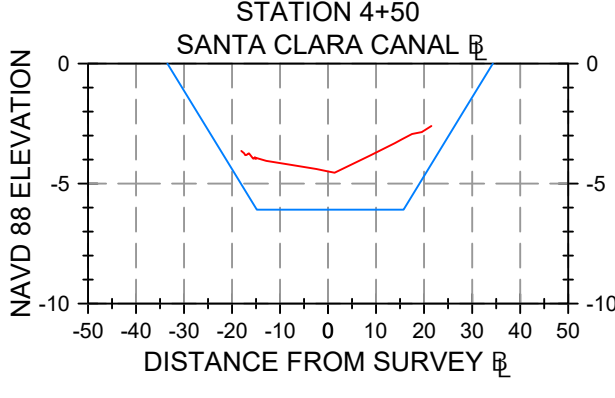
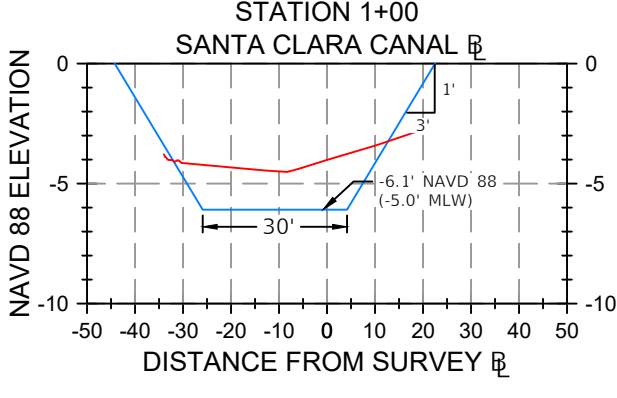
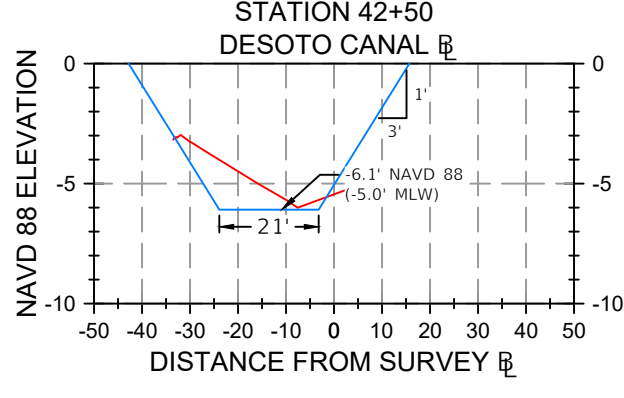
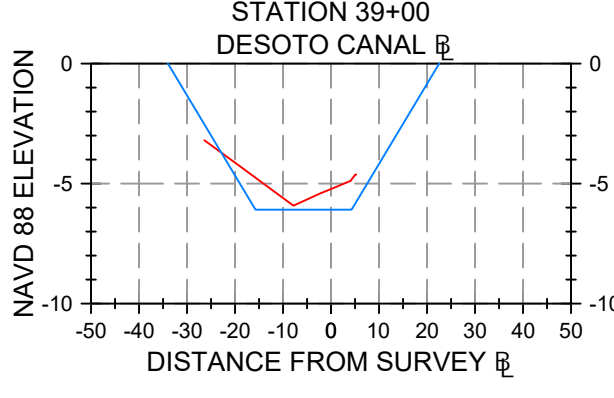
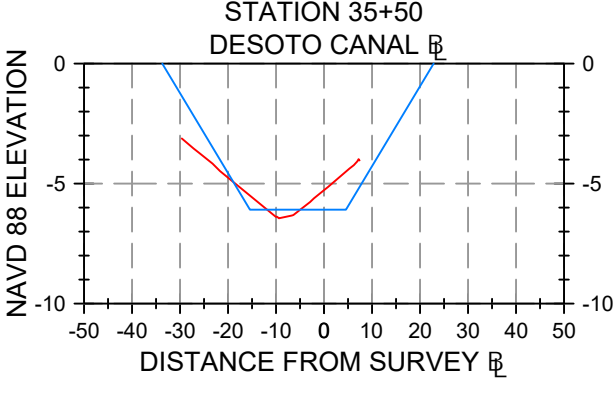
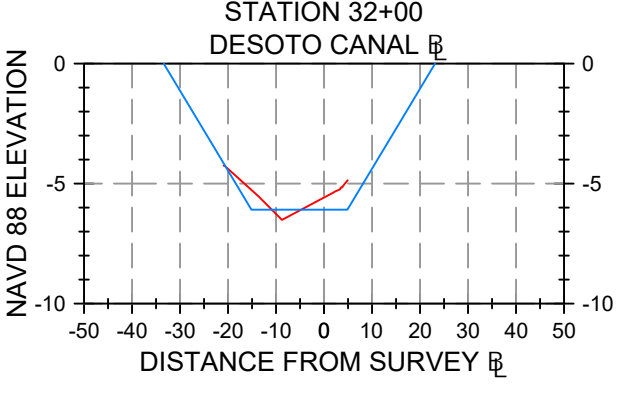
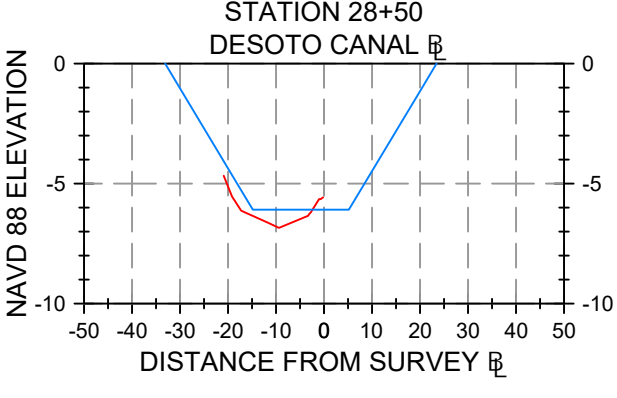
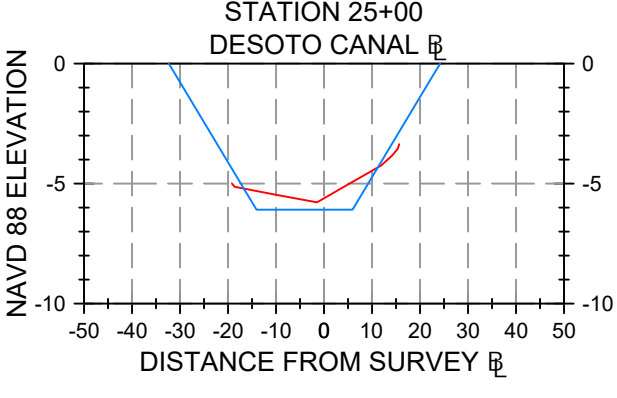
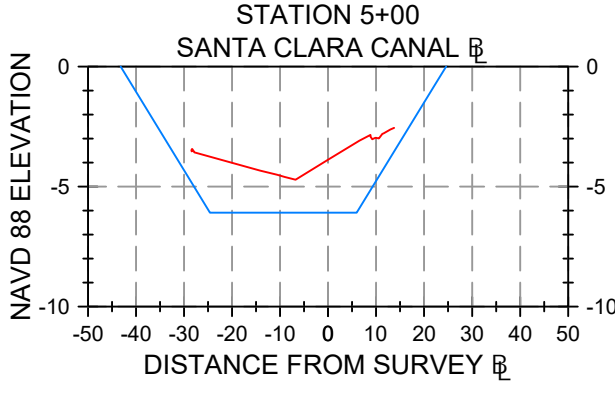
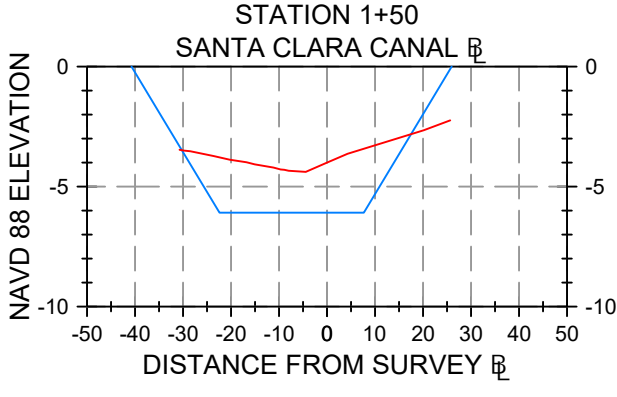
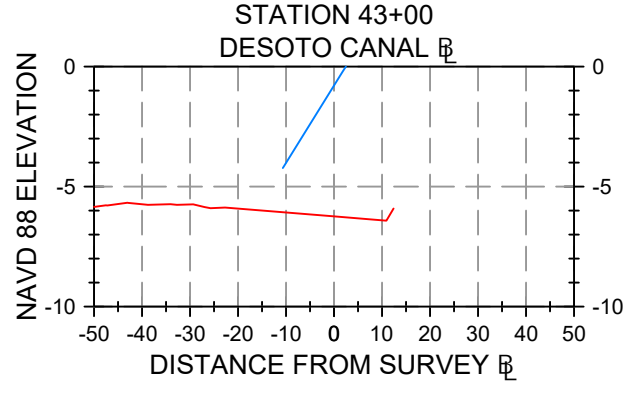
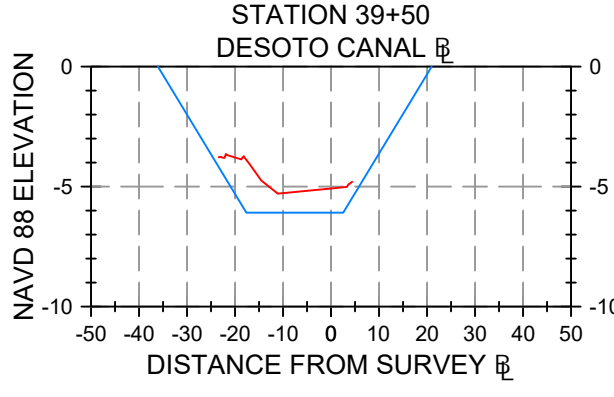
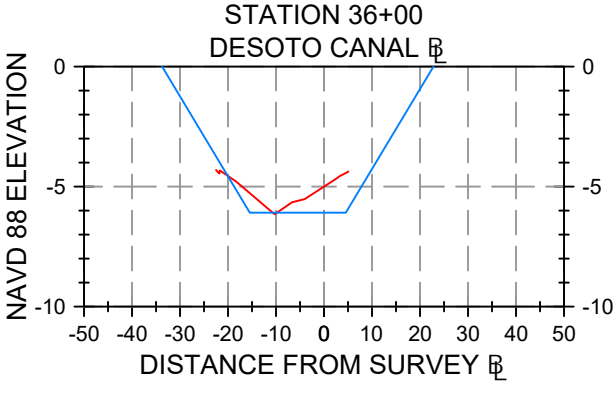
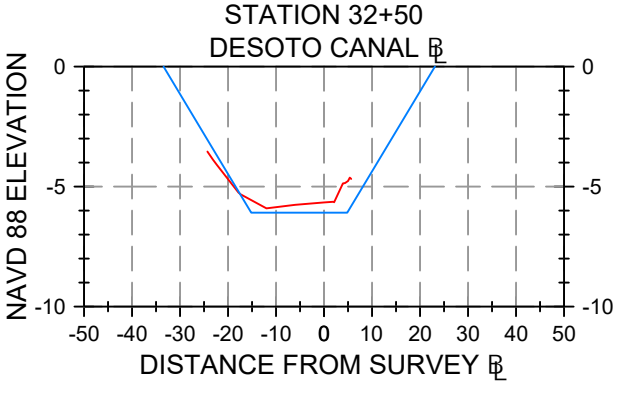
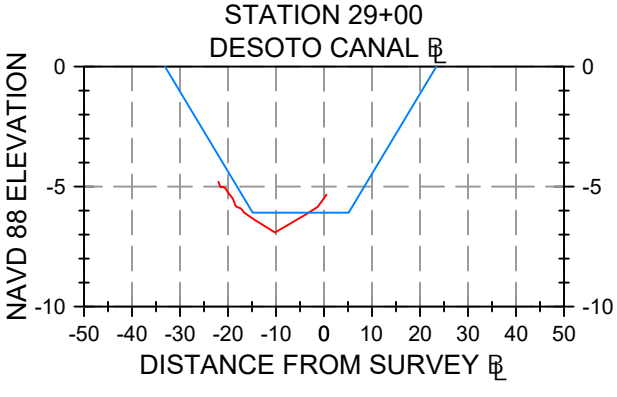
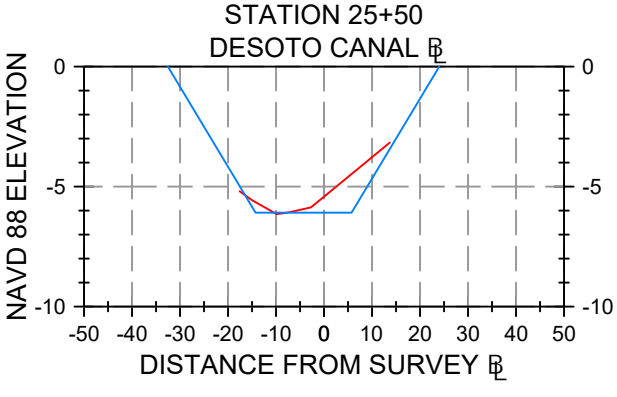
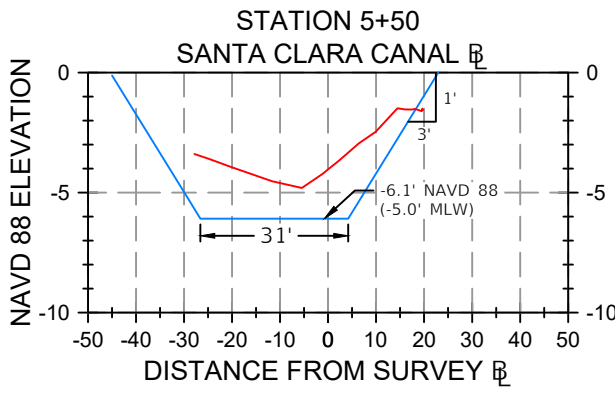
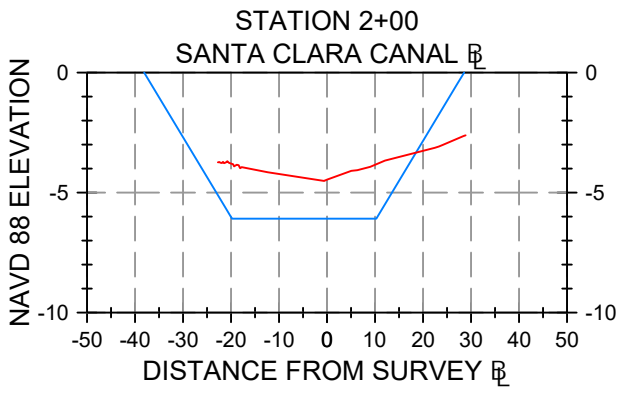
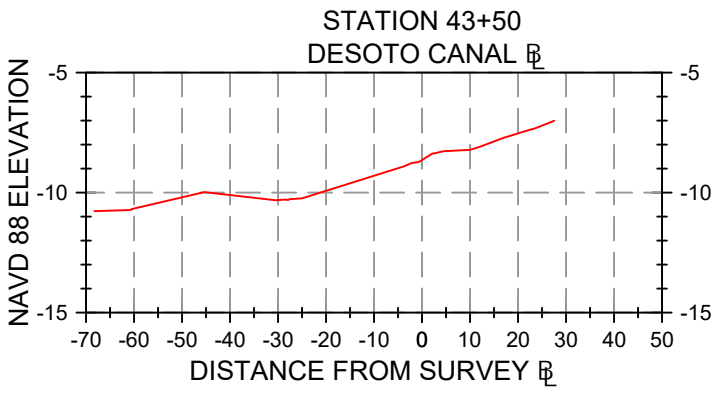
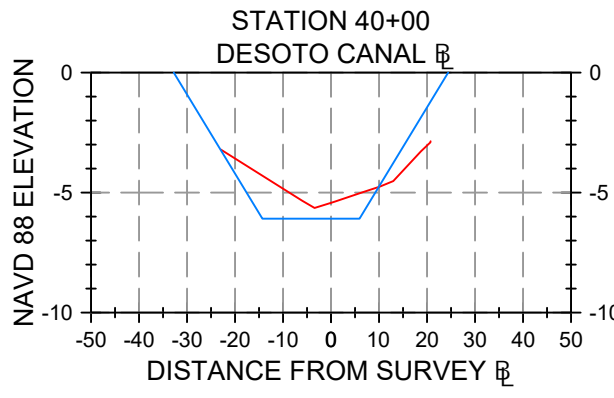
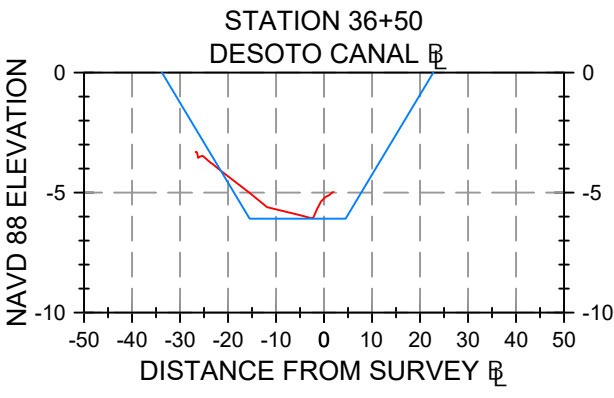
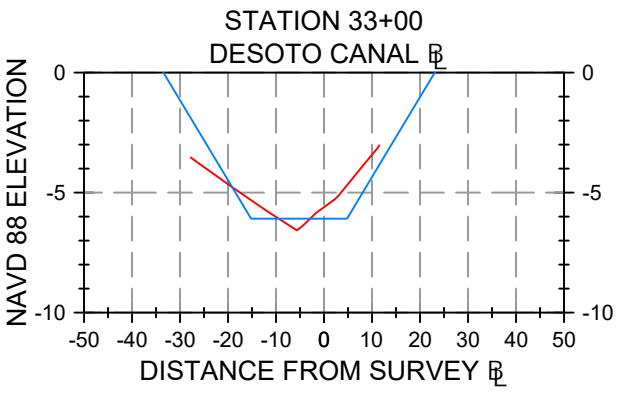
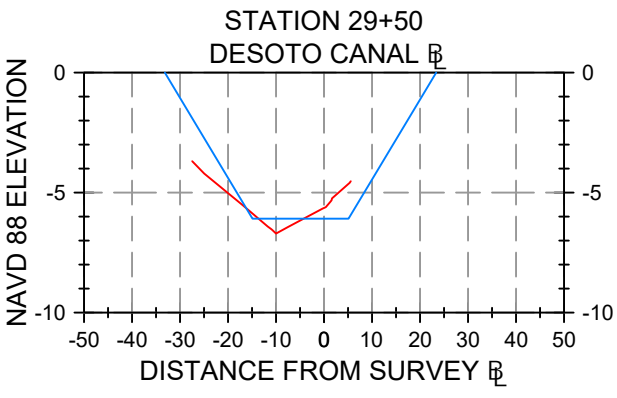
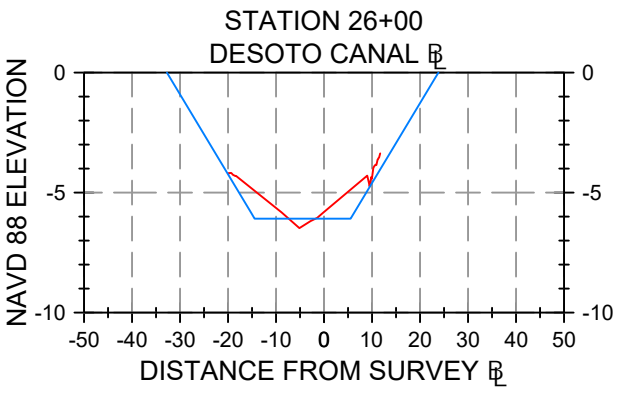
23	OF	SHEET	16	HYDROGRAPHIC SURVEY HARBOR HEIGHTS WATERWAYS					AIM Engineering & Surveying, Inc. CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT 2161 FOWLER STREET, SUITE 100 FORT MYERS, FLORIDA 33901 www.aimeng.com				PROJECT NO. 24-1940 COUNTY: CHARLOTTE SECTION: 5 TOWNSHIP: RANGE:				DATE: 01/28/2024 CHECKED: DTD DRAWN: RH CLIENT: CHARLOTTE COUNTY				PROJECT NAME WOLF 322 PRE-STORM BATHMETRIC SURVEYS PREPARED BY: AM ENGINEERING & SURVEYING, INC. SEE SHEET 1 DARRIN TOWSEND PROFESSIONAL SUPERVISOR AND MAPPER (NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL)				ANY REVISIONS, ALTERATIONS, AND/OR CHARGES TO DRAWING(S) 1 2 3 4 5 6 7				DATE: 1944 / 1979 57.61 / 32.37 PAGE:				ANY REVISIONS BY:			

SECTION SHEET LEGEND:
BL = 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

HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA

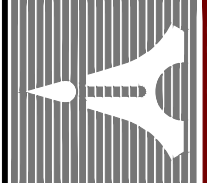


AIM Engineering & Surveying, Inc.

CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT
TOLL FREE 800-328-4569
PHONE 239-332-4569
FORT MYERS, FLORIDA 33901
www.aimengr.com

CERTIFICATE OF AUTHORIZATION No. 3114
DATE 01/29/2024
DT 01/29/2024

CLIENT
CHARLOTTE COUNTY
J:\Active\24-1940 W0322 Charlotte Co Pre-Storm Bathymetry\2407_RH WORKING\24-1940_PHS03.dwg 1/30/2025 1:57:18 PM



HYDROGRAPHIC SURVEY
HARBOR HEIGHTS WATERWAYS

PROJECT NO. 24-1940_PHS03
COUNTY: CHARLOTTE
SHEET 17
DATE 01/29/2024

FILE NAME: 24-1940_PHS03
SECTION: S
RANGE: E
SHEET 17
DATE 01/29/2024

PROJECT NAME
W0322 PRE-STORM BATHYMETRIC SURVEYS

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

DARREN TOWNSHEND
PROFESSIONAL SURVEYOR
FLORIDA CERTIFICATE NO. 6476
STATE OF FLORIDA LICENSE NO. 36845

ANY REVISIONS, ALTERATIONS, OR CHANGES TO DRAWINGS(S) AND/OR CALCULATIONS SHALL BE MADE BY THE ENGINEER OF RECORD. INC. IS PROHIBITED.

REVISIONS:
No. 1
2
3
4
5
6
7

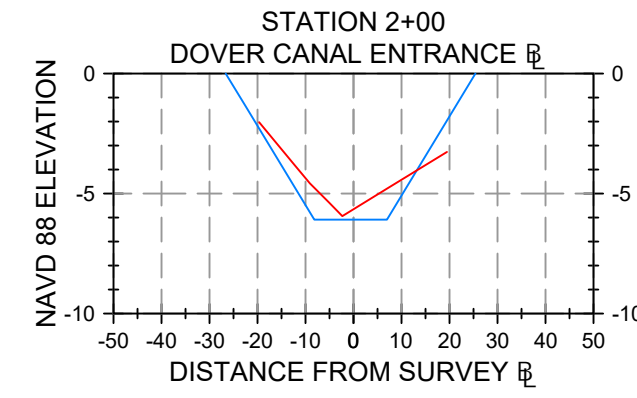
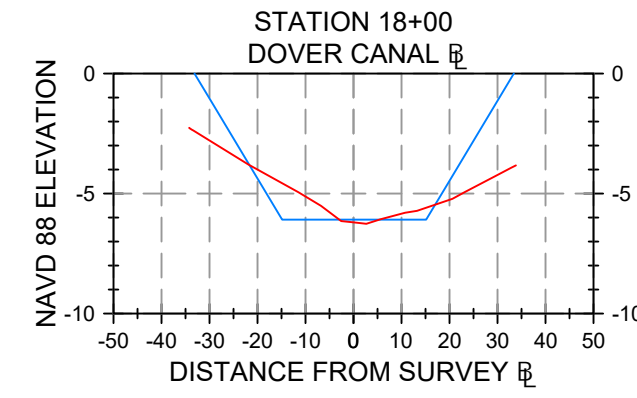
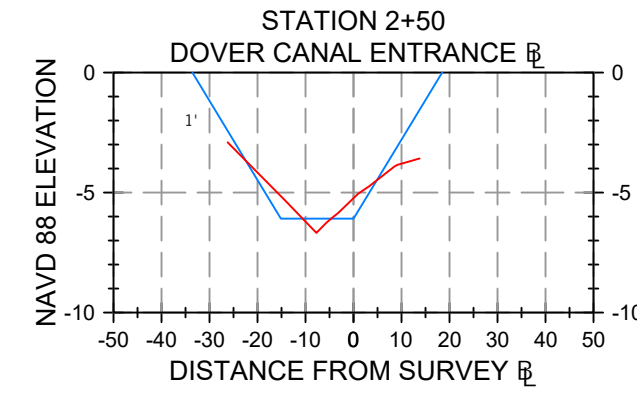
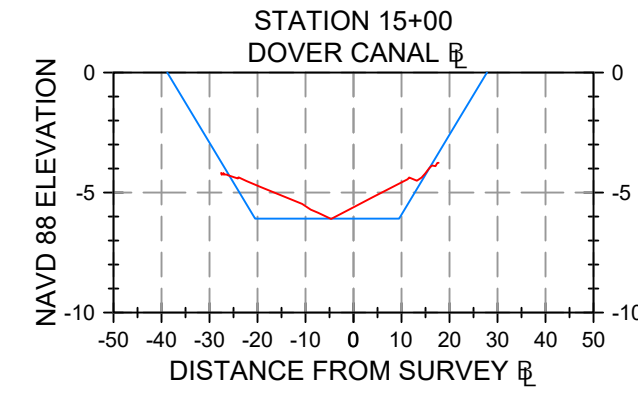
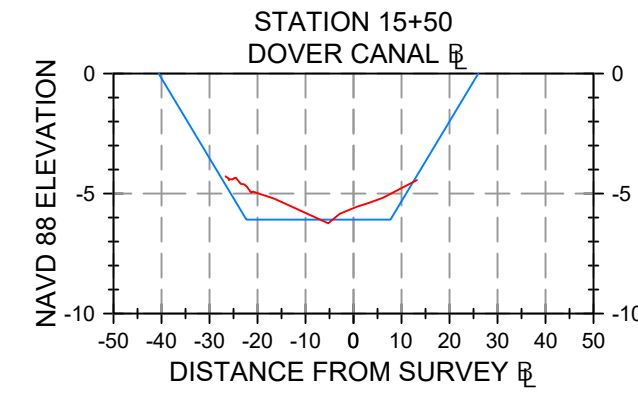
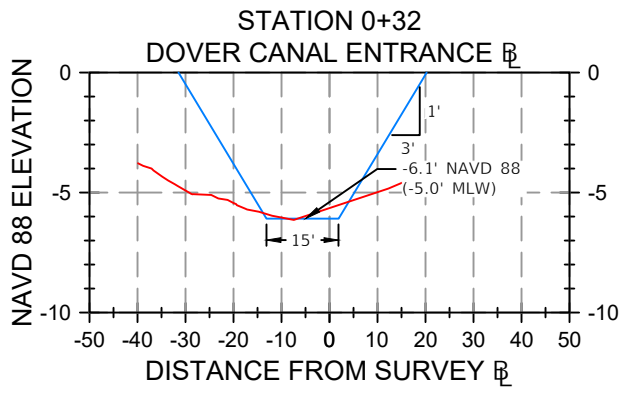
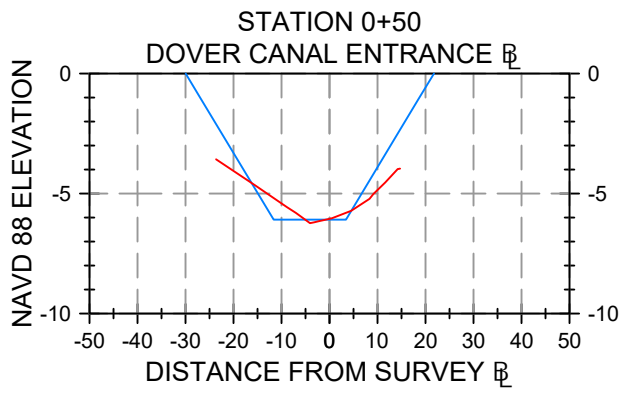
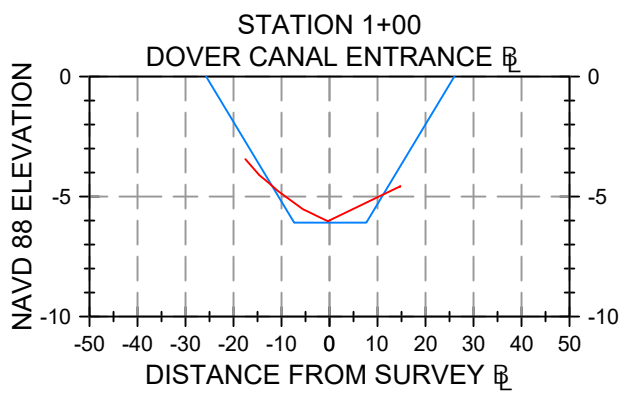
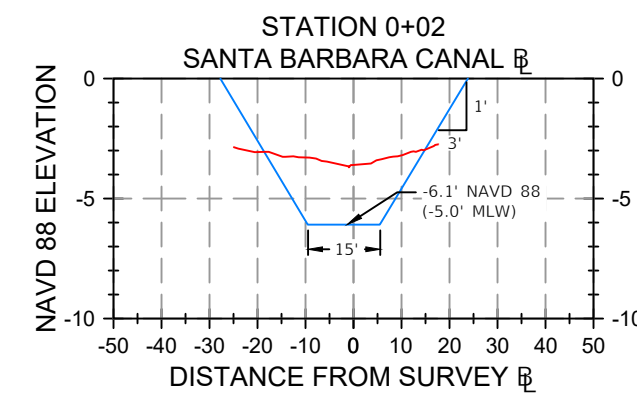
DATE: 1944 / 1979 57.61 / 32.37

FIELD BOOK: 1944 / 1979 57.61 / 32.37

HARBOR HEIGHTS WATERWAYS CHARLOTTE COUNTY, FLORIDA

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

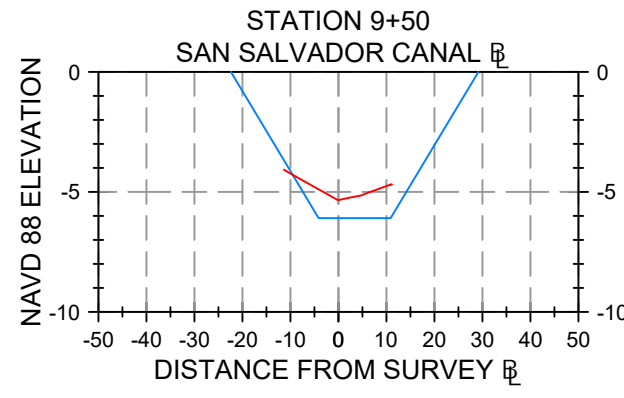
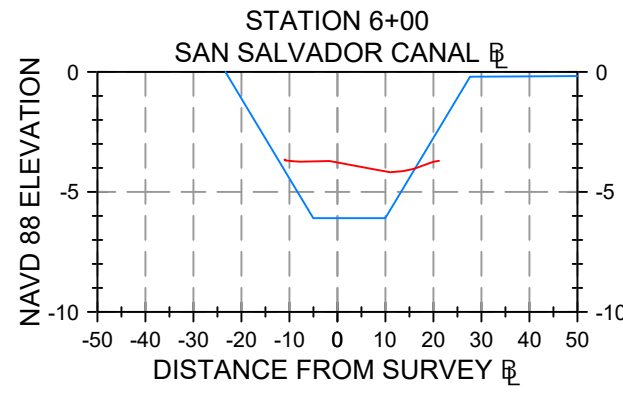
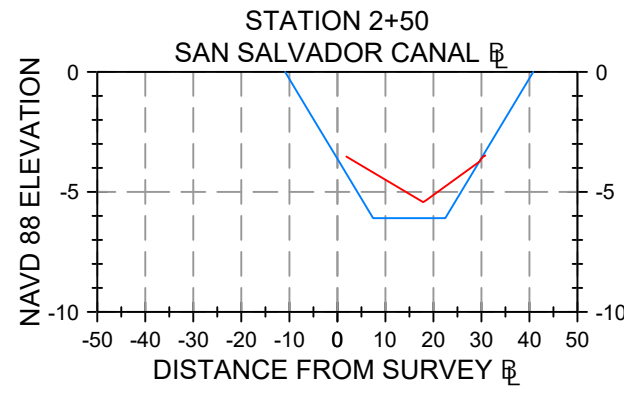
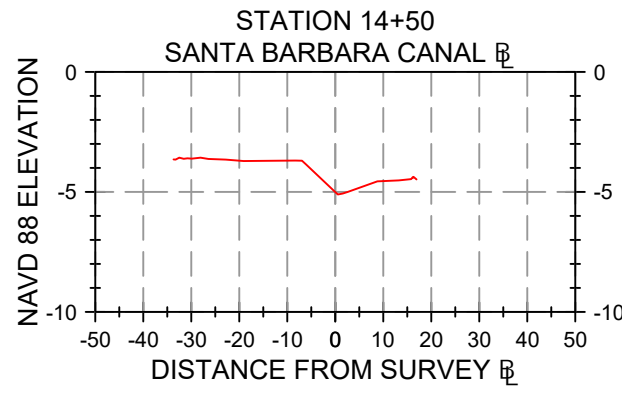
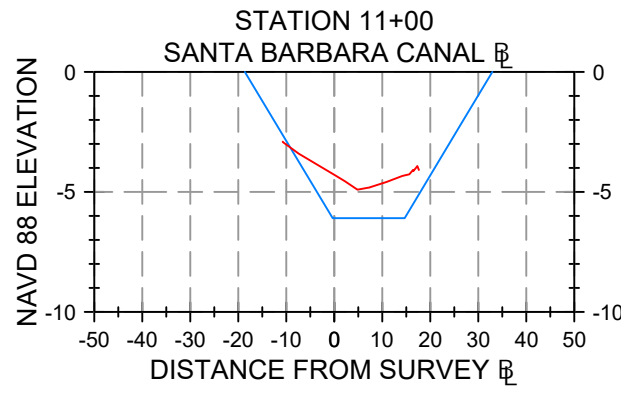
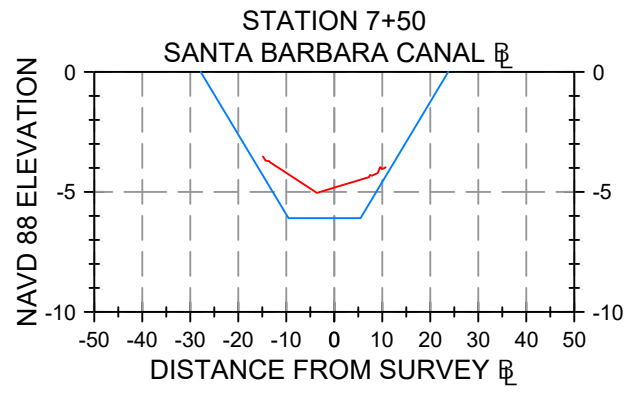
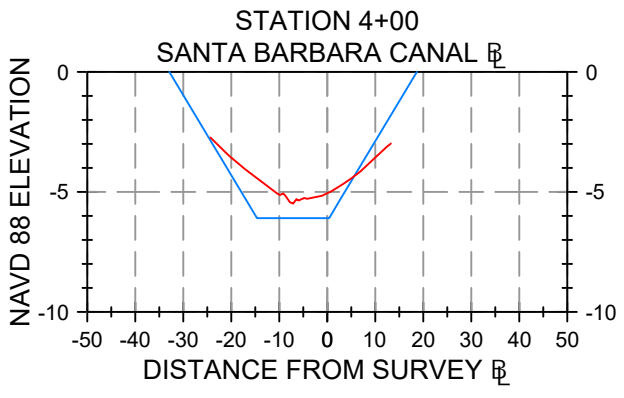
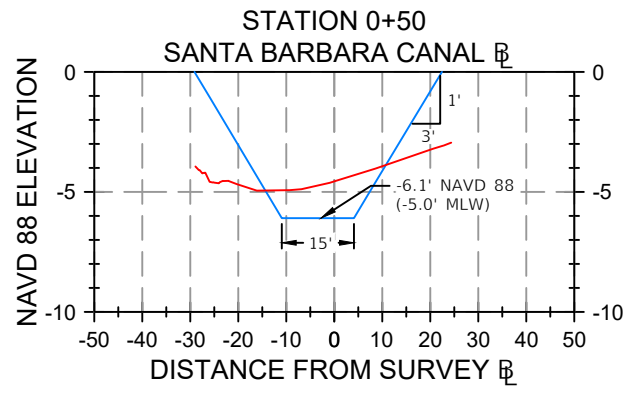
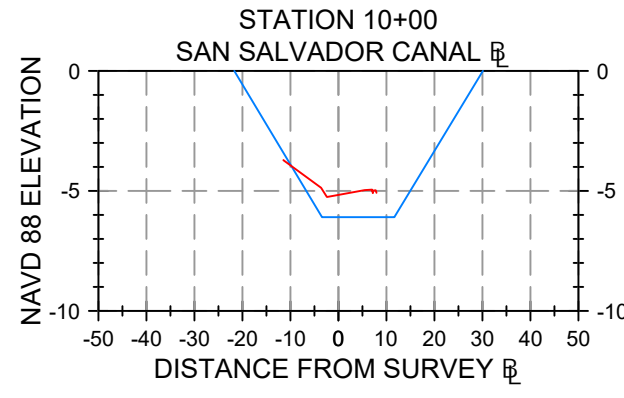
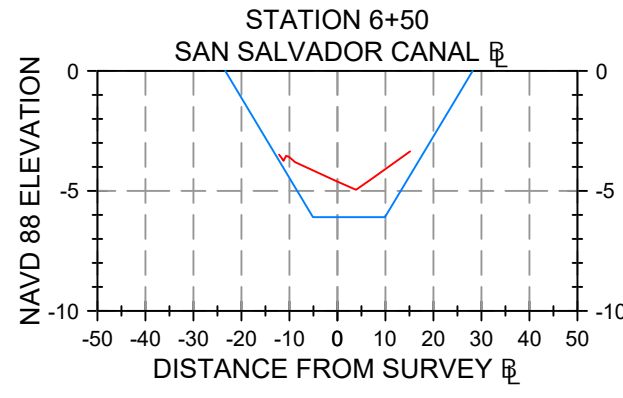
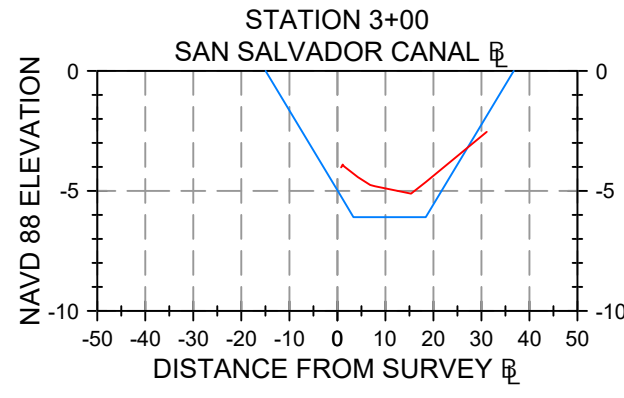
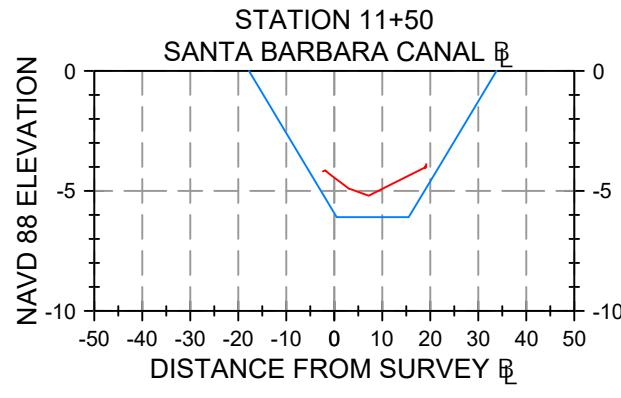
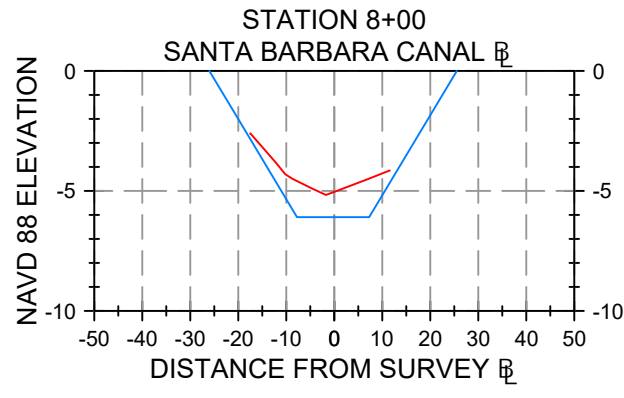
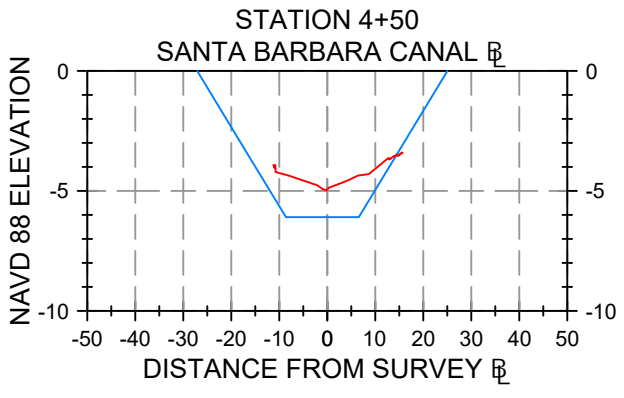
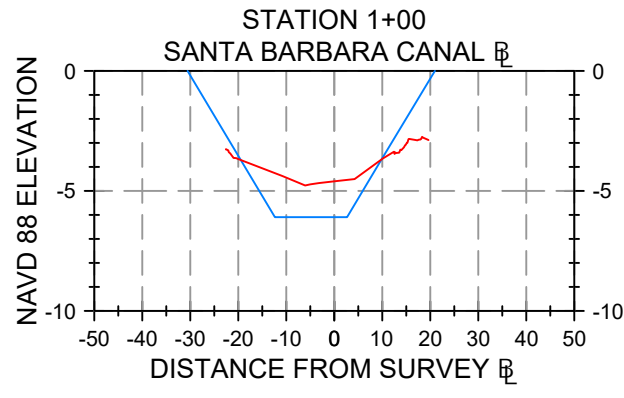
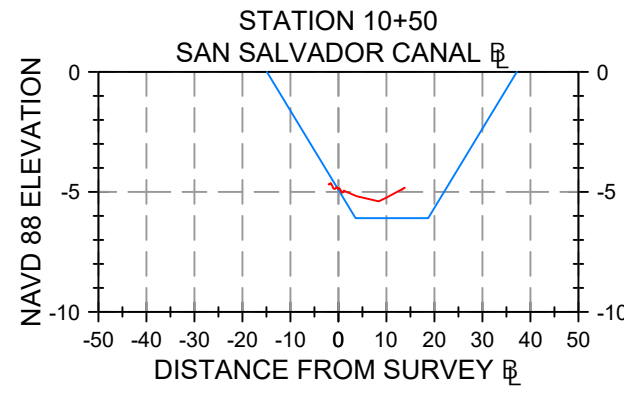
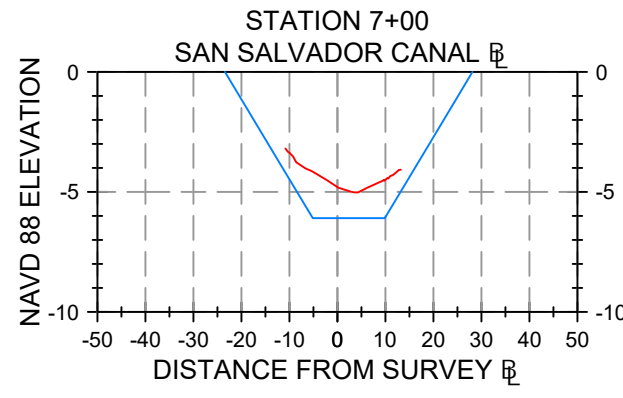
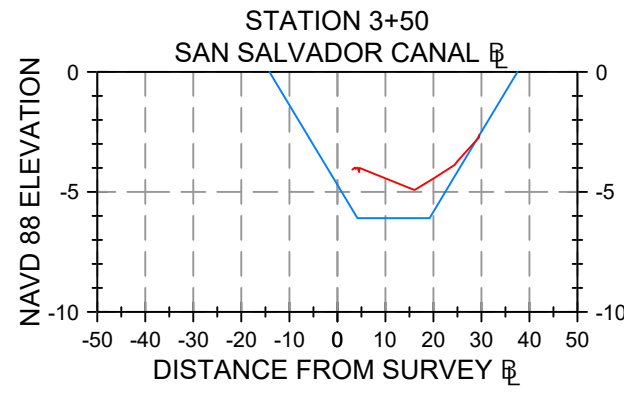
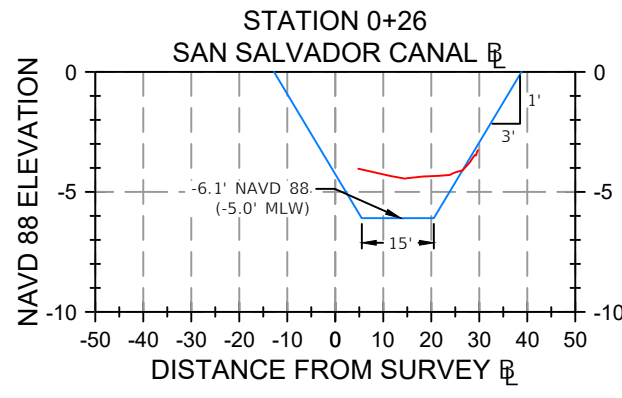
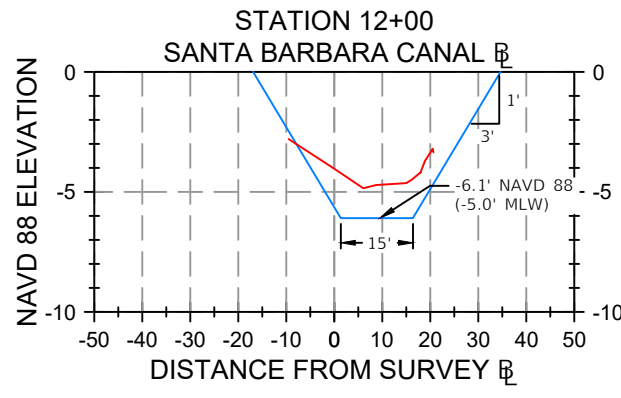
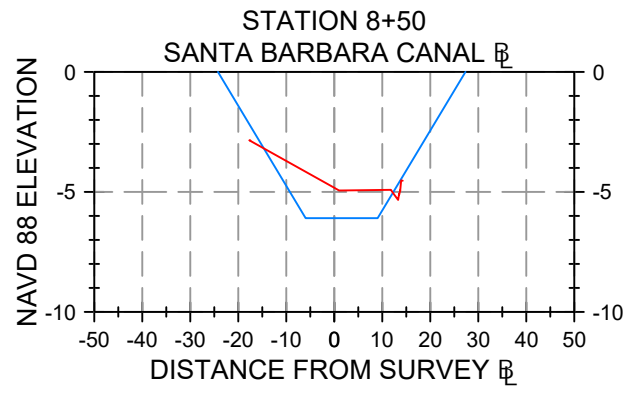
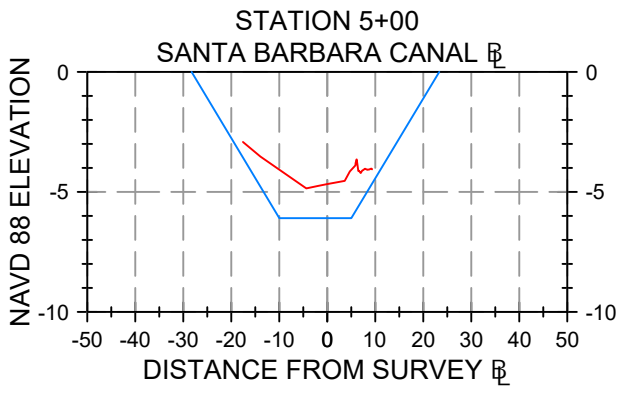
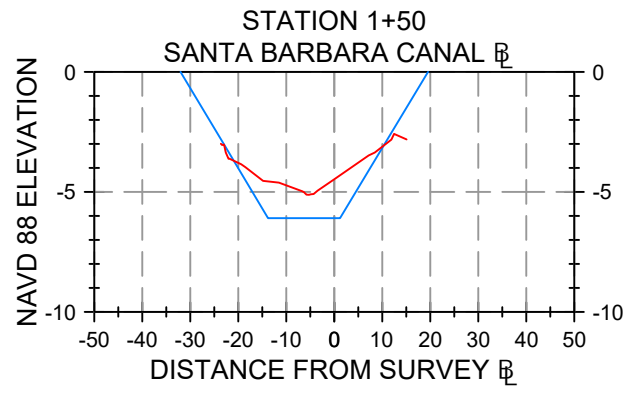
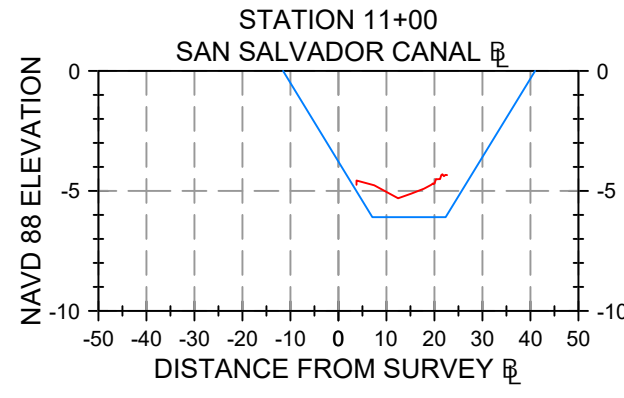
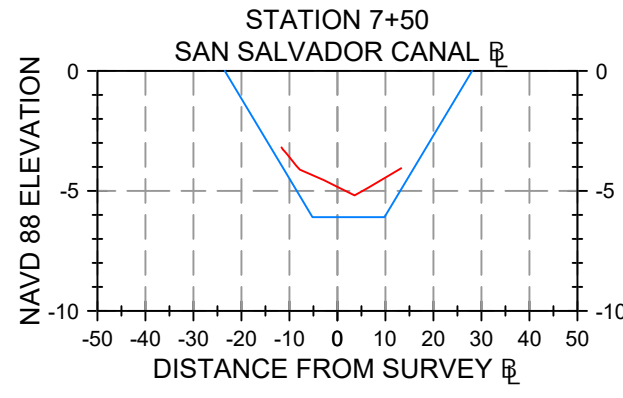
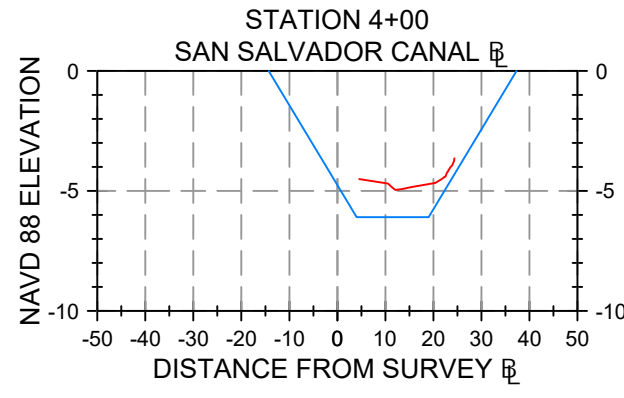
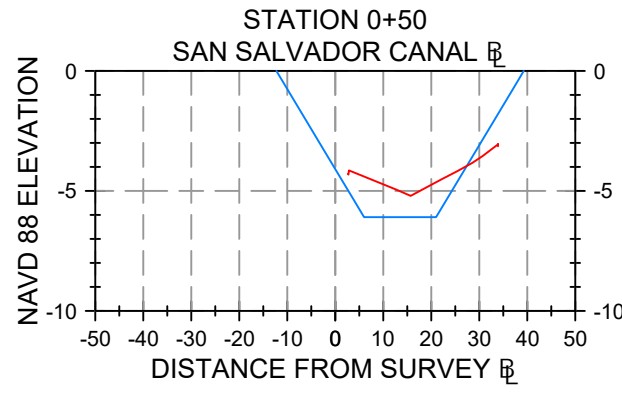
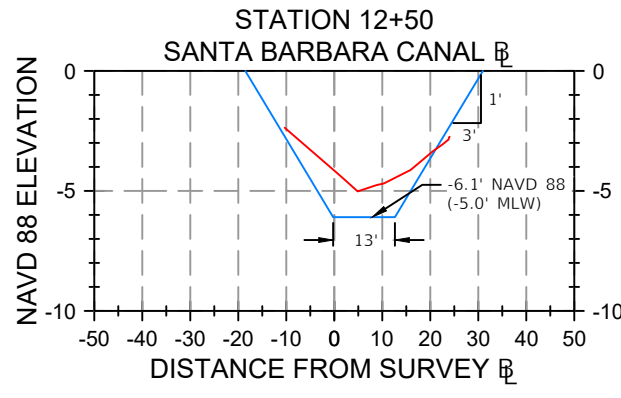
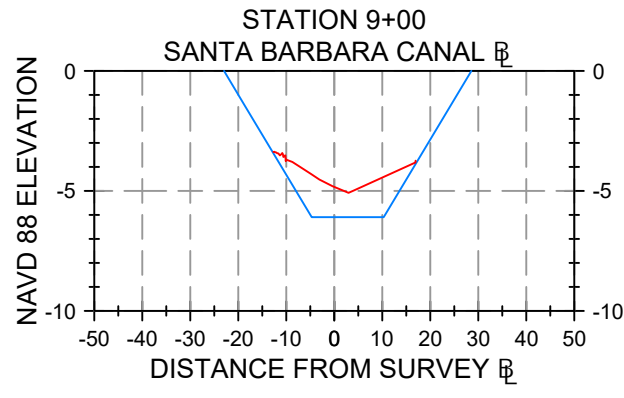
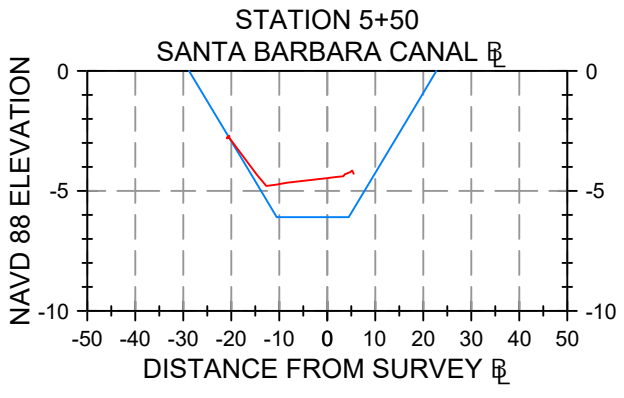
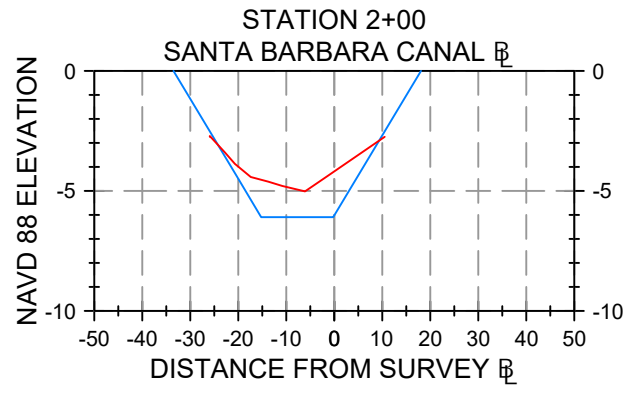
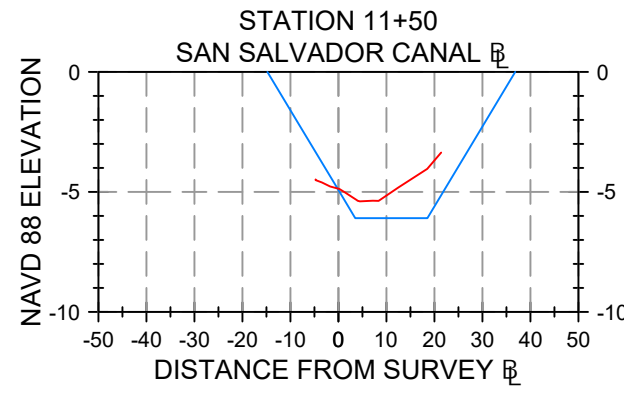
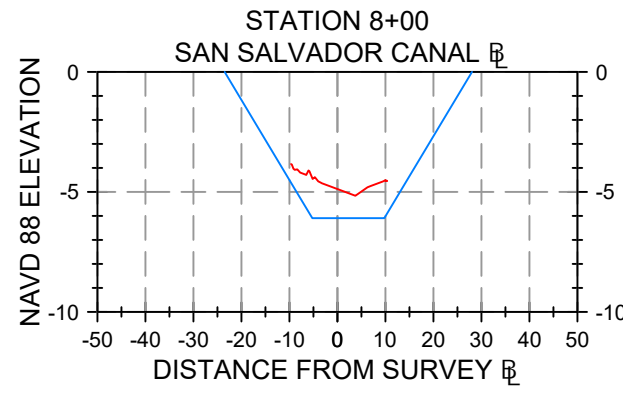
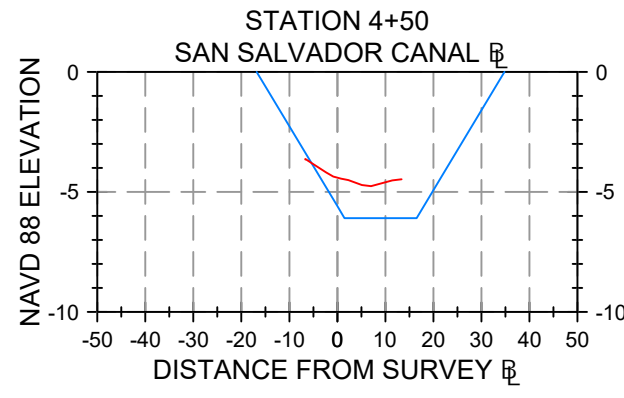
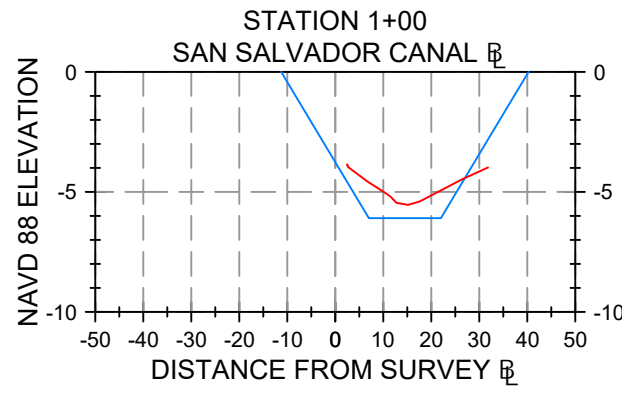
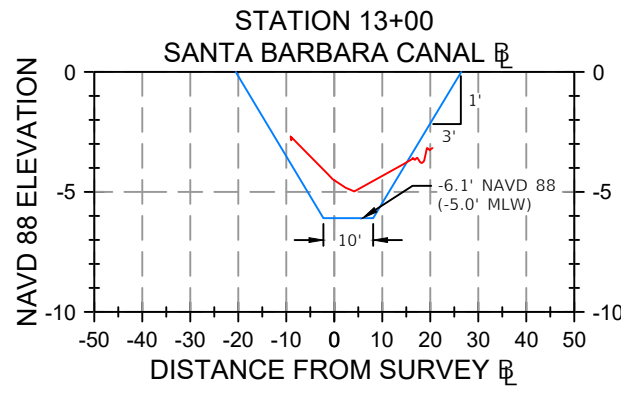
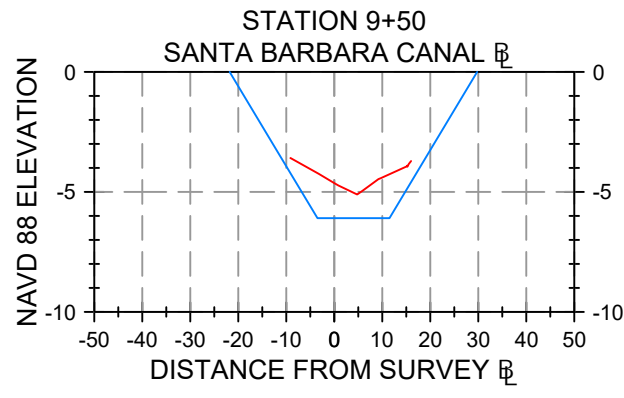
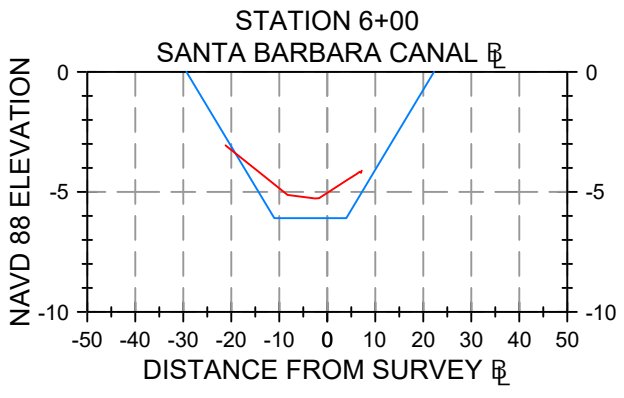
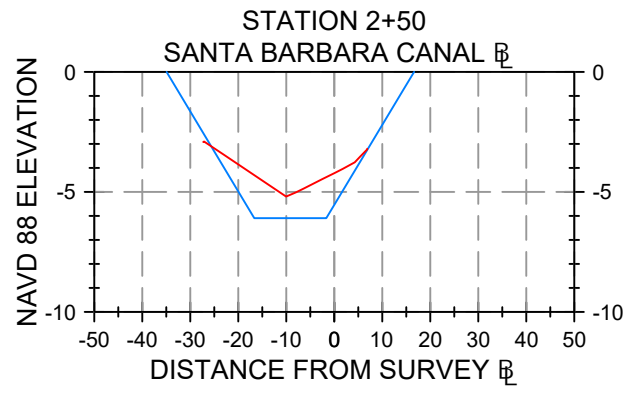
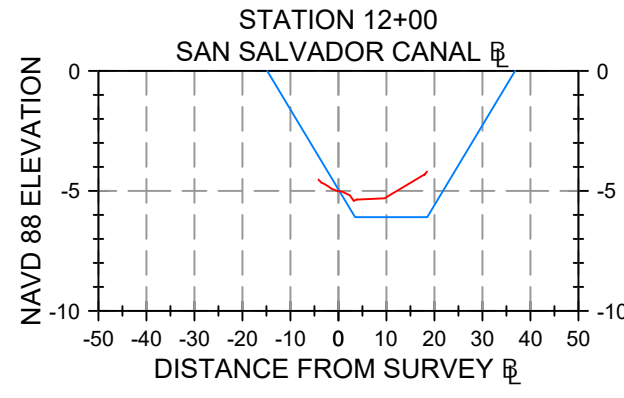
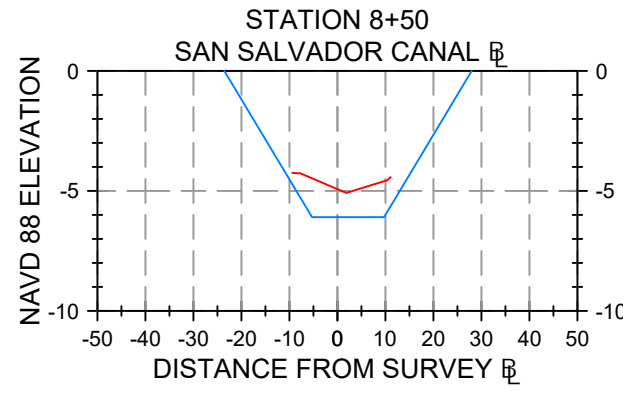
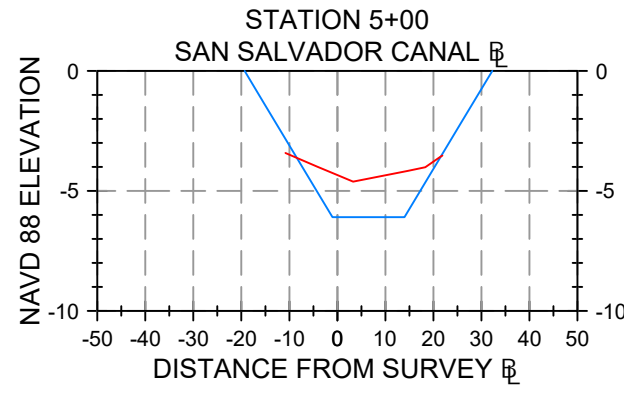
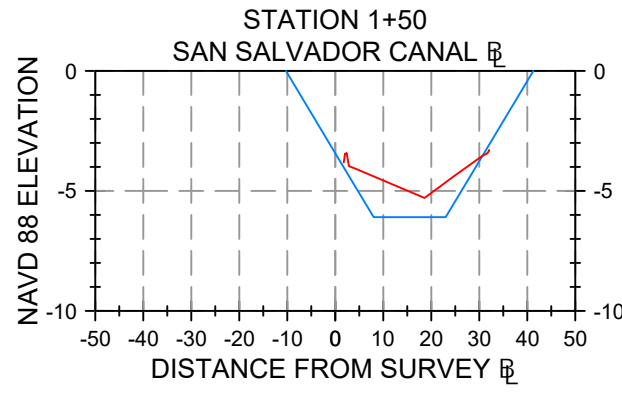
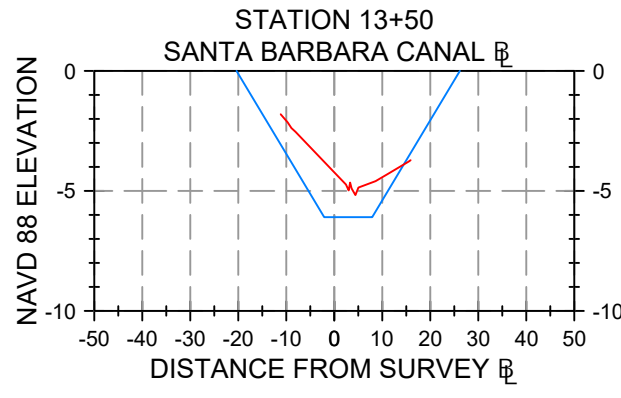
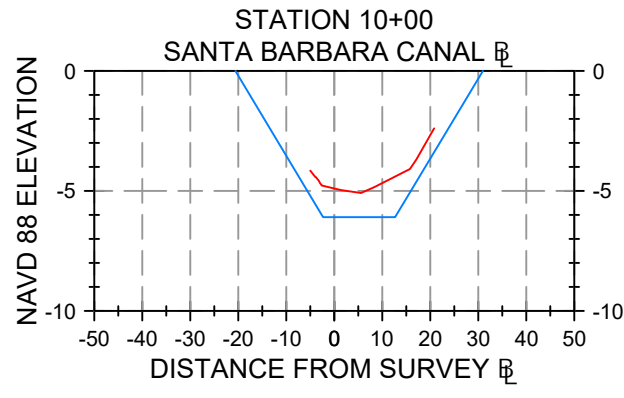
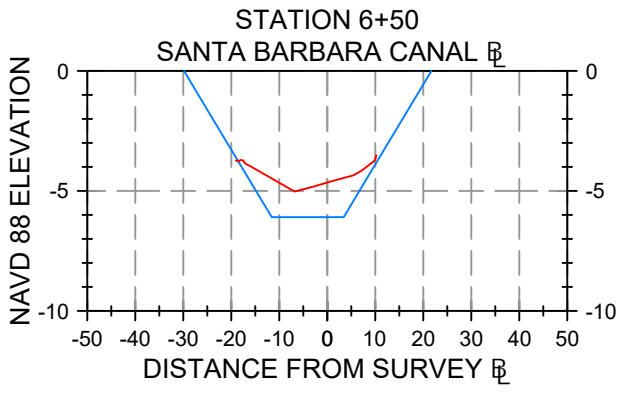
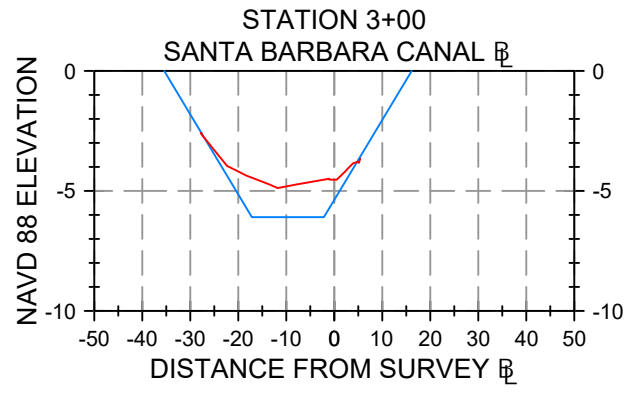
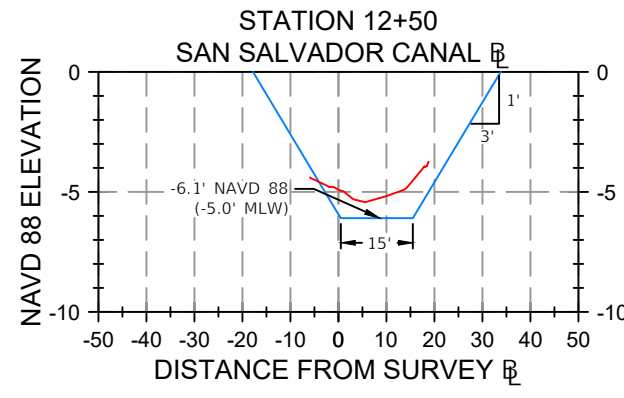
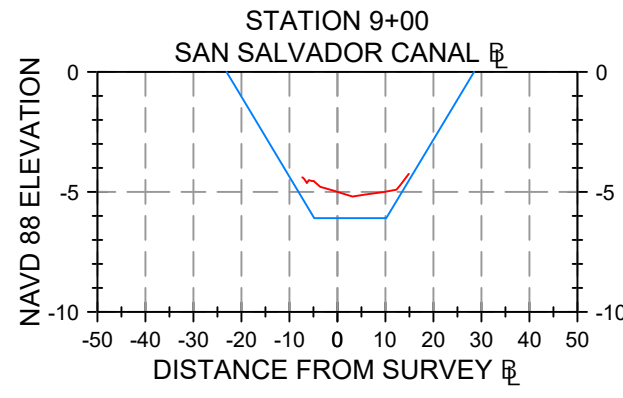
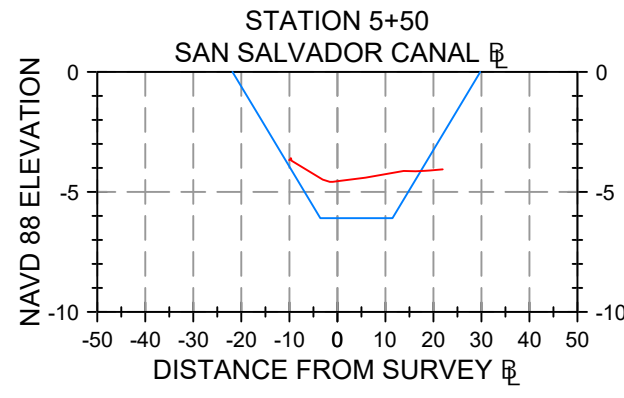
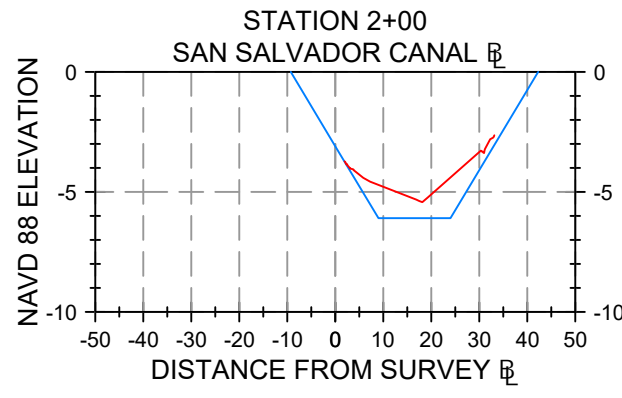
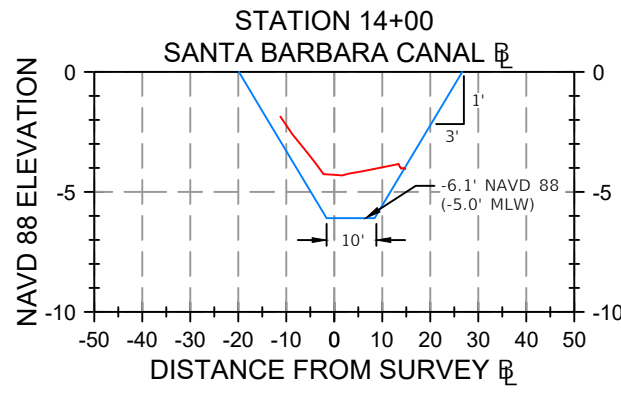
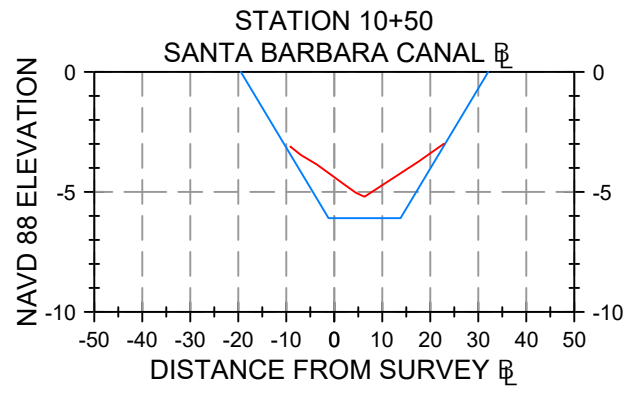
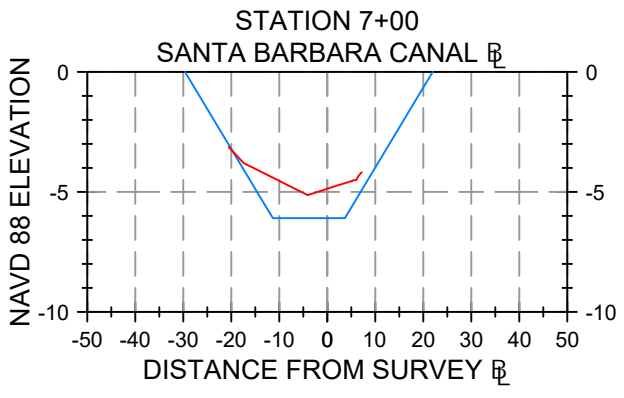
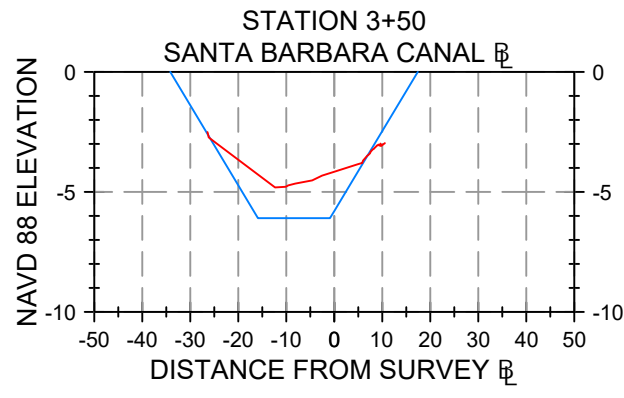
SCALE:
HORIZONTAL 1" = 40'
VERTICAL SCALE 1" = 8'

[illegible]

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

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

HYDROGRAPHIC SURVEY
HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA



HYDROGRAPHIC SURVEY
HARBOR HEIGHTS WATERWAYS

PROJECT NO.
24-1940

COUNTY
CHARLOTTE

SHEET
19

FILE NAME
24-1940_PH304

SECTION
S

RANGE
E

DATE
01/29/2024

CLIENT
CHARLOTTE COUNTY

DATE
01/29/2024

DT
01/29/2024

PROJECT NAME
WOM 322 PRE-STORM BATHYMETRIC SURVEYS

PREPARED BY
AM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

DATE
01/29/2024

ANY REVISIONS, ALTERATIONS, OR CHANGES TO DRAWINGS(S) MUST BE SUBMITTED TO THE ORIGINAL DRAWING(S) AND APPROVED BY THE ORIGINAL DRAWING(S) AND APPROVED BY THE ORIGINAL DRAWING(S).

REVISIONS

BY

DATE

NO.

1

2

3

4

5

6

7

AIM Engineering & Surveying, Inc.
CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT
2361 FOWLER STREET, SUITE 100
FORT MYERS, FLORIDA 33901
www.aimengr.com

TOLL FREE 800-238-4569
PHONE 239-332-4569
FAX 239-332-4569
CERTIFICATE OF AUTHORIZATION No. 3114

DATE
01/29/2024

DT
01/29/2024

DT
01/29/2024

DT
01/29/2024

FILE NAME
24-1940_PH304

SECTION
S

RANGE
E

DATE
01/29/2024

CLIENT
CHARLOTTE COUNTY

DATE
01/29/2024

DT
01/29/2024

PROJECT NAME
WOM 322 PRE-STORM BATHYMETRIC SURVEYS

PREPARED BY
AM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

DATE
01/29/2024

ANY REVISIONS, ALTERATIONS, OR CHANGES TO DRAWINGS(S) MUST BE SUBMITTED TO THE ORIGINAL DRAWING(S) AND APPROVED BY THE ORIGINAL DRAWING(S) AND APPROVED BY THE ORIGINAL DRAWING(S).

REVISIONS

BY

DATE

NO.

1

2

3

4

5

6

7

AIM Engineering & Surveying, Inc.
CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT
2361 FOWLER STREET, SUITE 100
FORT MYERS, FLORIDA 33901
www.aimengr.com

TOLL FREE 800-238-4569
PHONE 239-332-4569
FAX 239-332-4569
CERTIFICATE OF AUTHORIZATION No. 3114

DATE
01/29/2024

DT
01/29/2024

DT
01/29/2024

DT
01/29/2024

FILE NAME
24-1940_PH304

SECTION
S

RANGE
E

DATE
01/29/2024

CLIENT
CHARLOTTE COUNTY

DATE
01/29/2024

DT
01/29/2024

PROJECT NAME
WOM 322 PRE-STORM BATHYMETRIC SURVEYS

PREPARED BY
AM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

DATE
01/29/2024

ANY REVISIONS, ALTERATIONS, OR CHANGES TO DRAWINGS(S) MUST BE SUBMITTED TO THE ORIGINAL DRAWING(S) AND APPROVED BY THE ORIGINAL DRAWING(S) AND APPROVED BY THE ORIGINAL DRAWING(S).

REVISIONS

BY

DATE

NO.

1

2

3

4

5

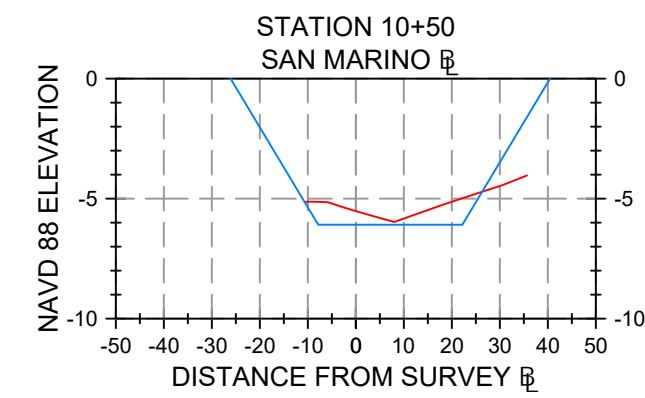
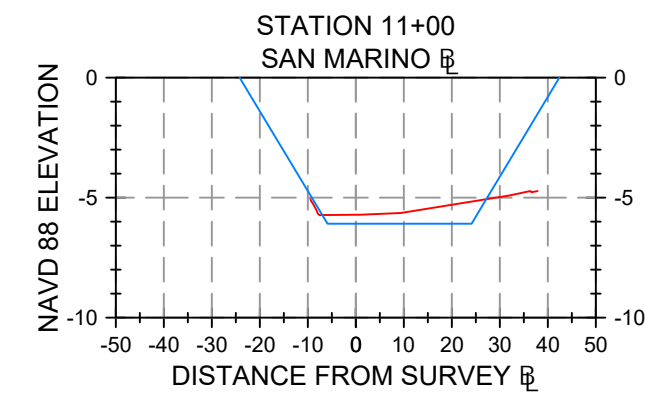
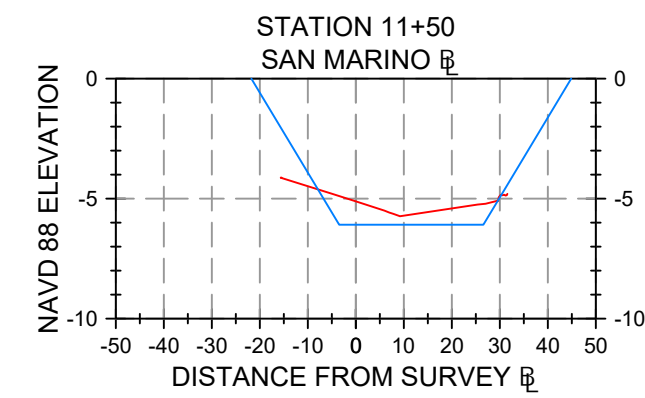
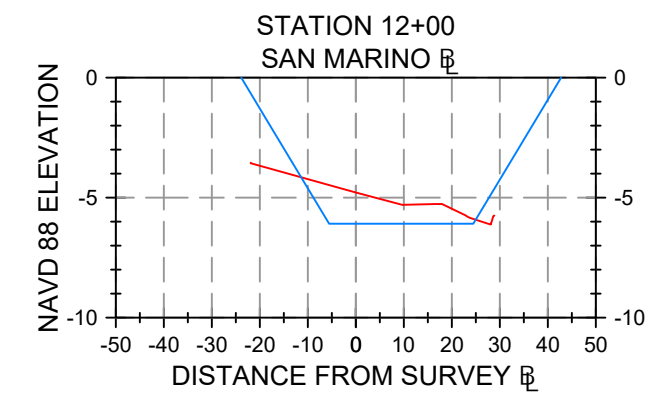
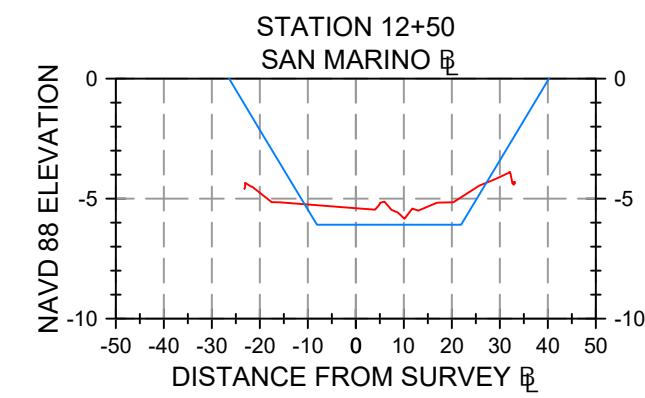
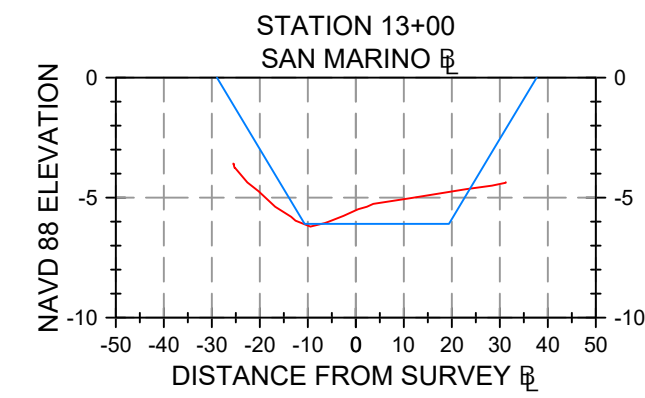
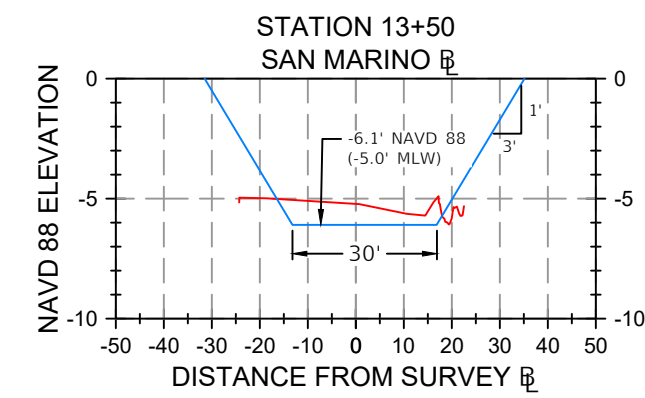
6

7

HARBOR HEIGHTS WATERWAYS CHARLOTTE COUNTY, FLORIDA

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

VERTICAL SCALE 1" = 8'



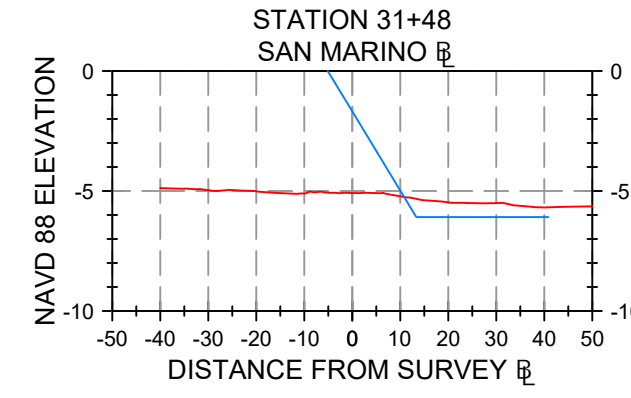
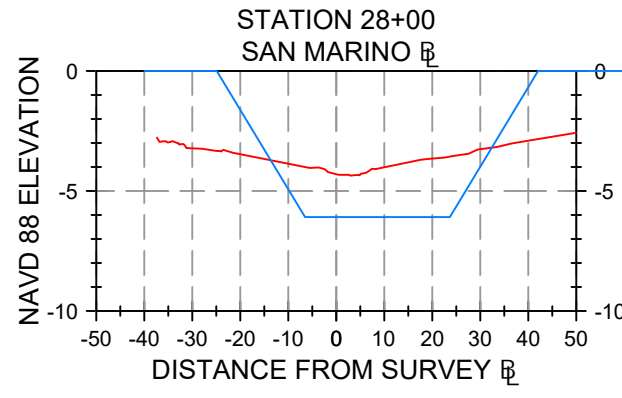
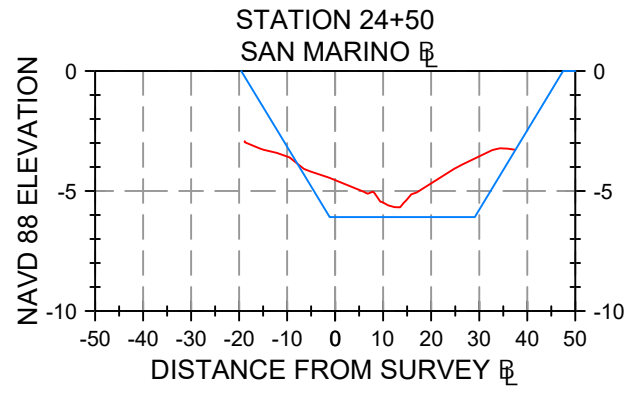
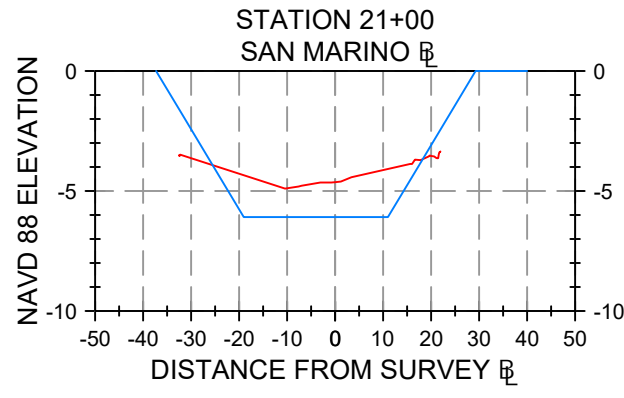
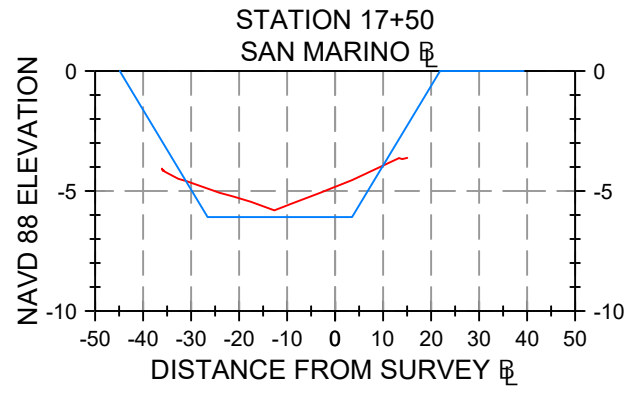
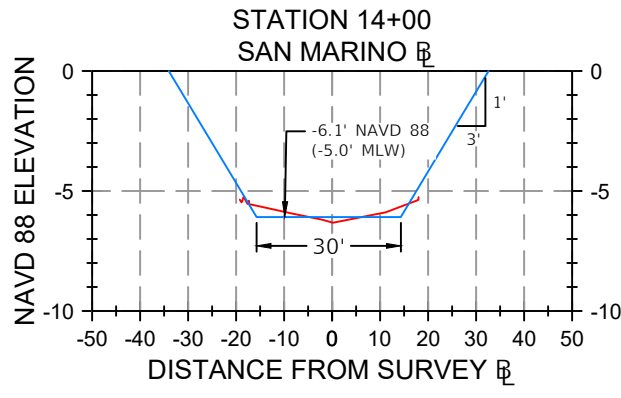
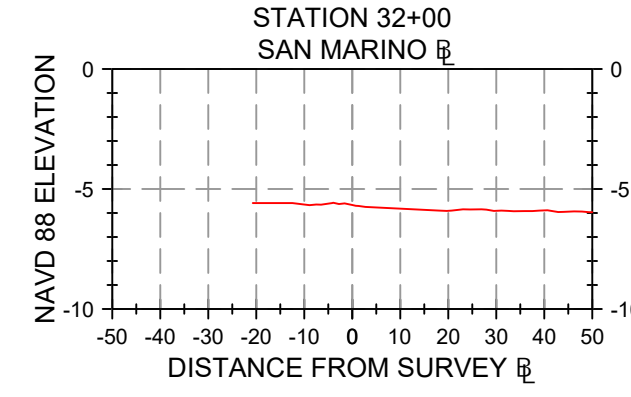
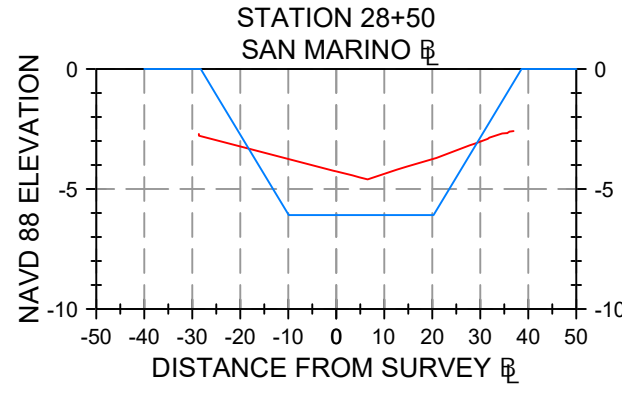
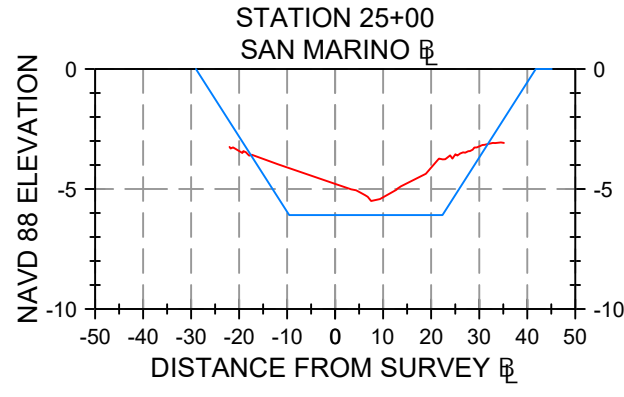
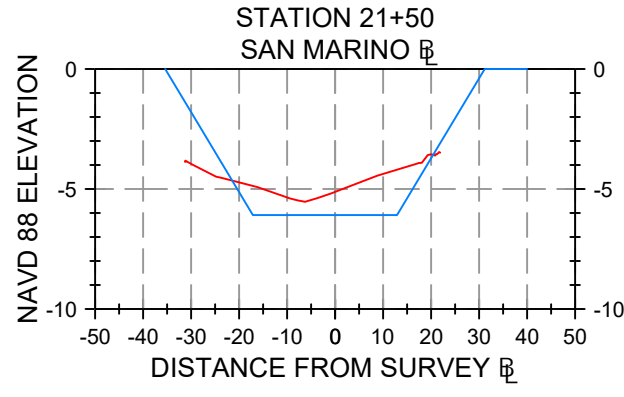
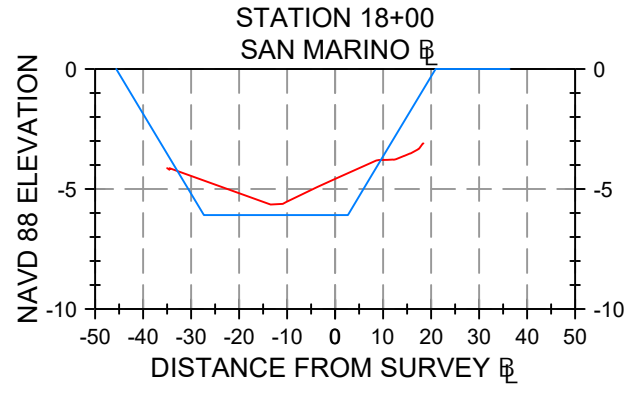
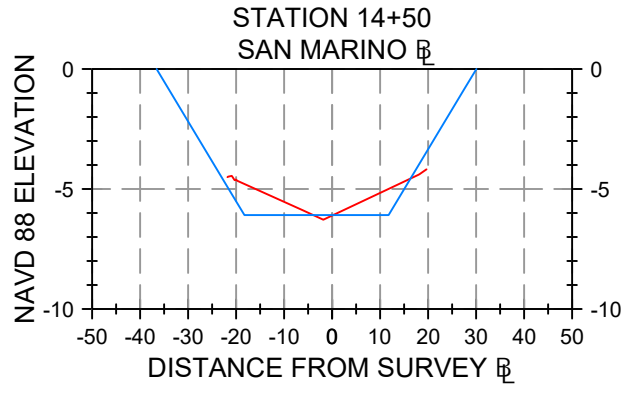
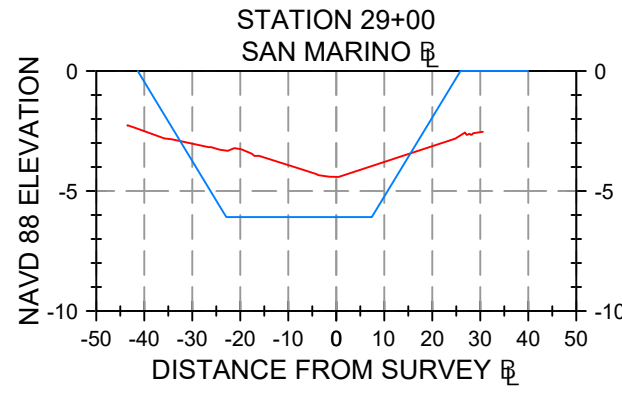
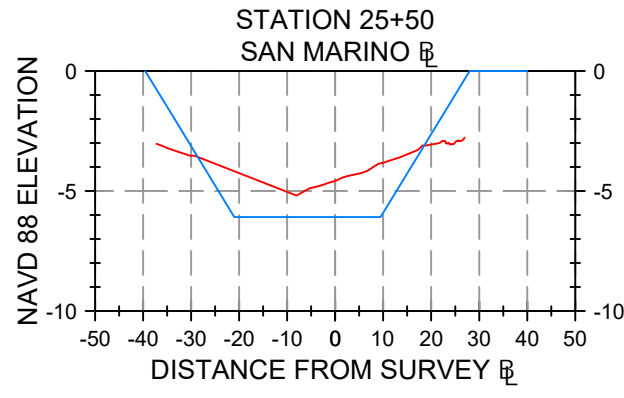
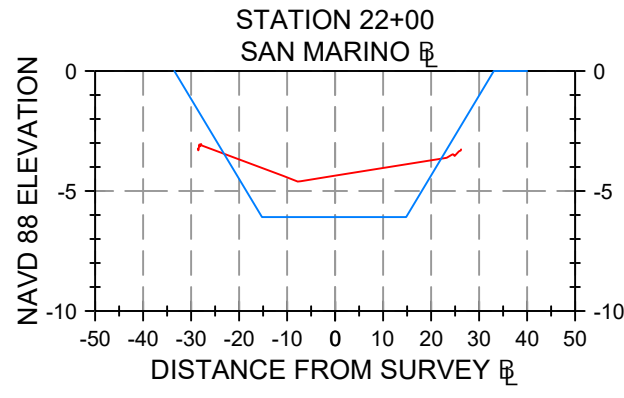
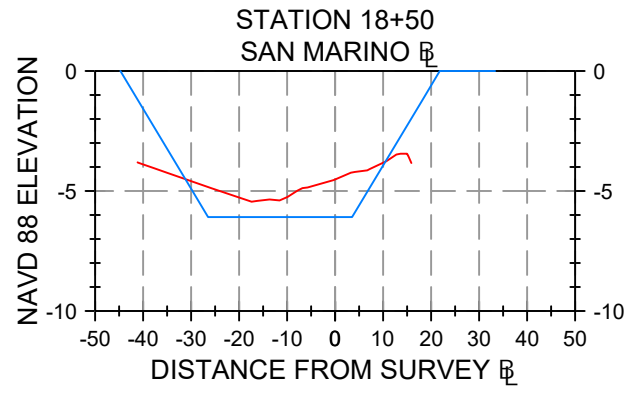
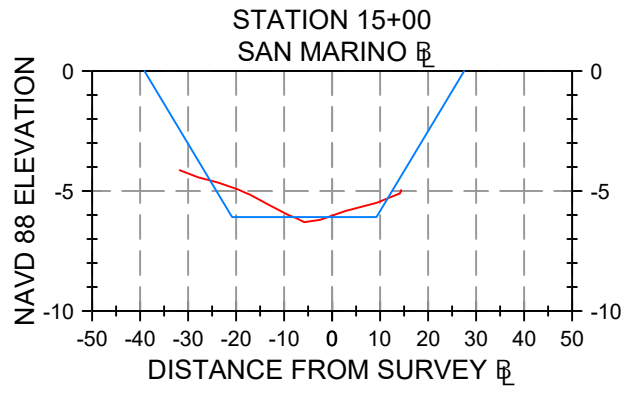
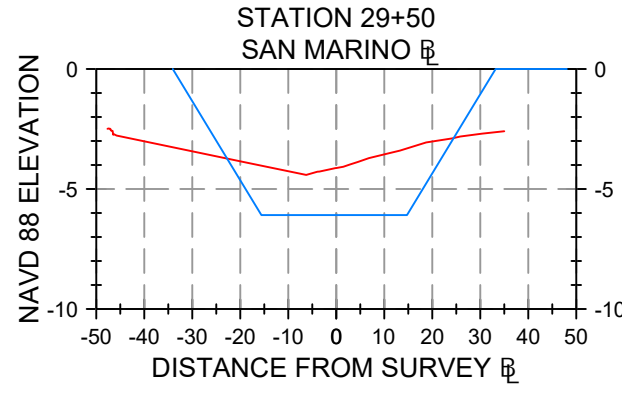
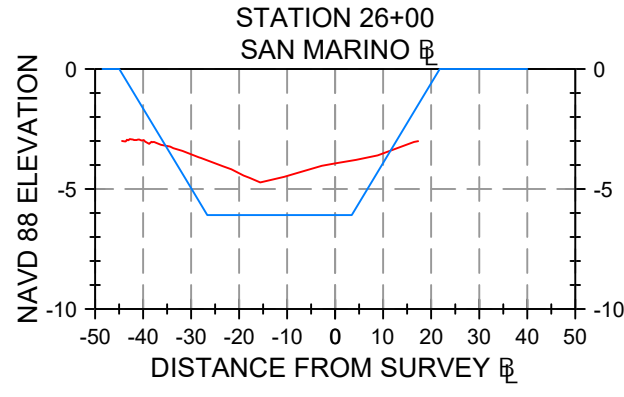
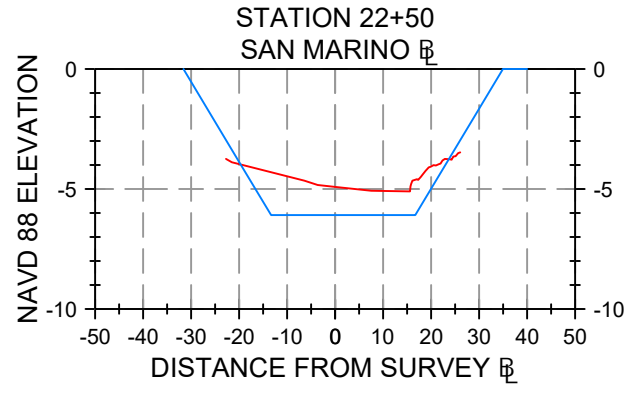
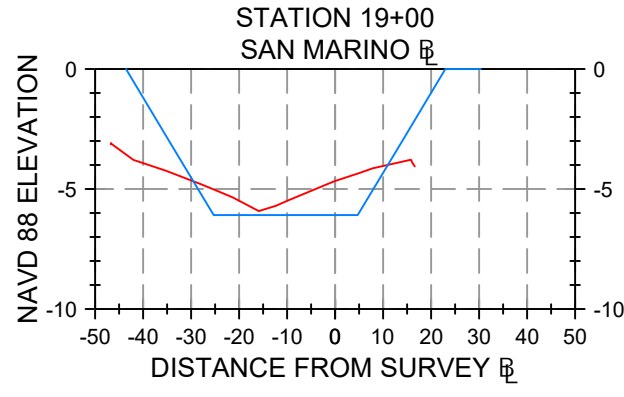
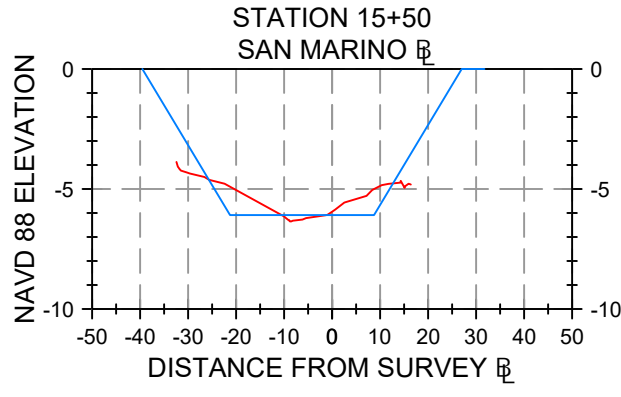
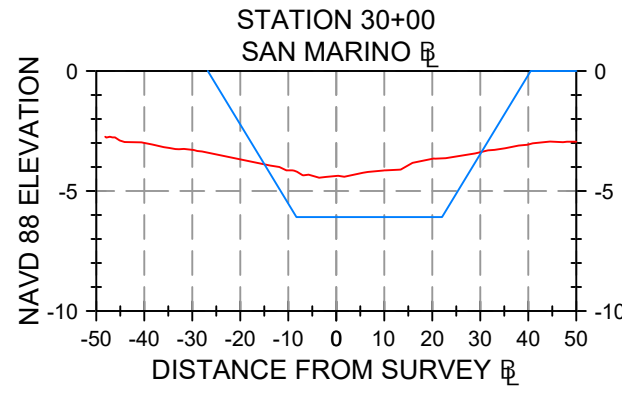
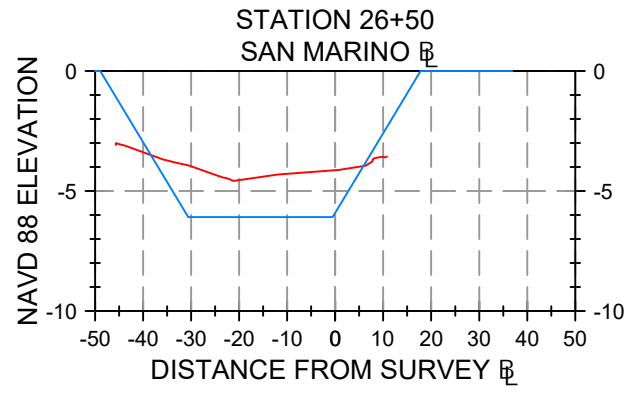
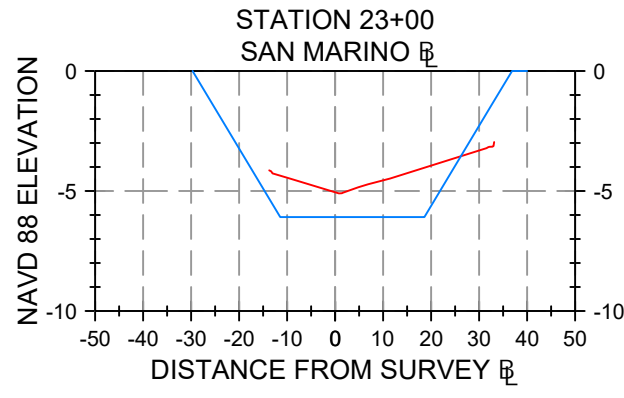
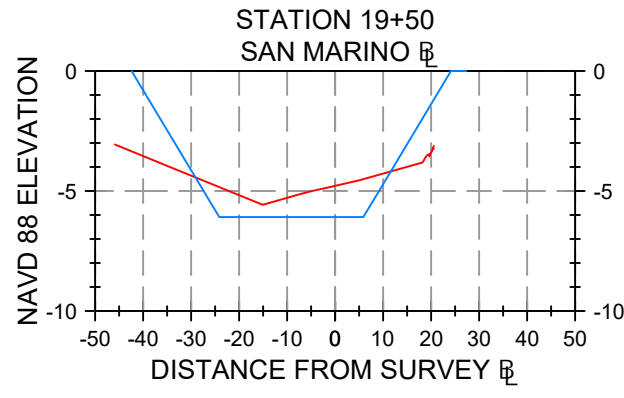
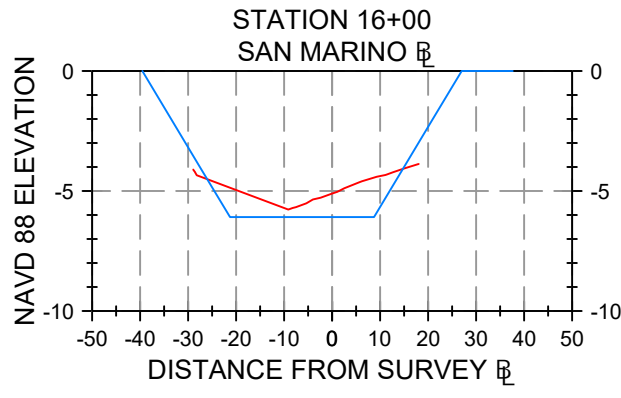
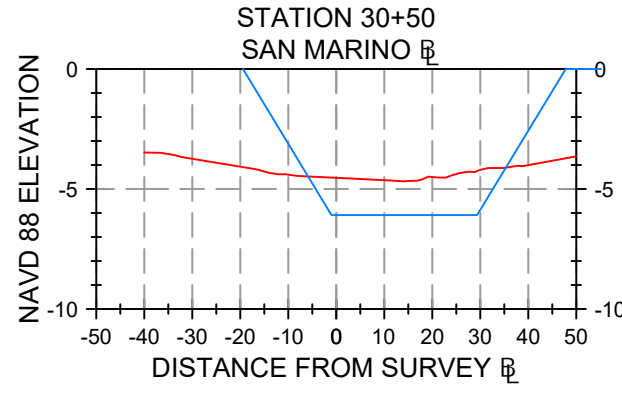
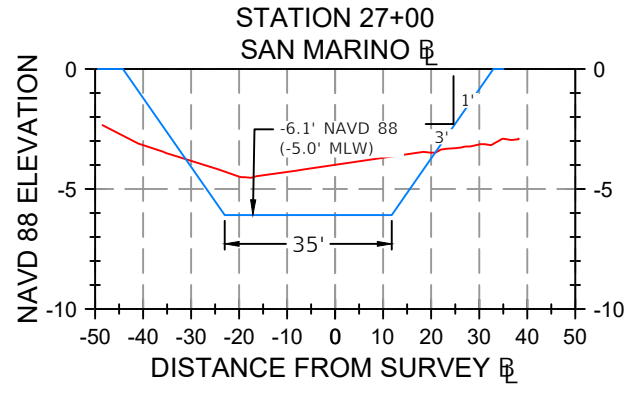
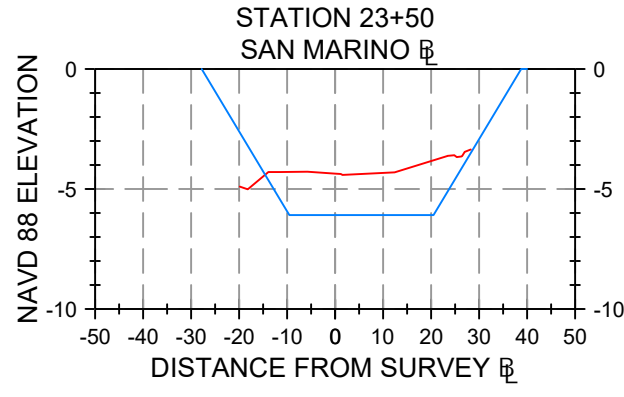
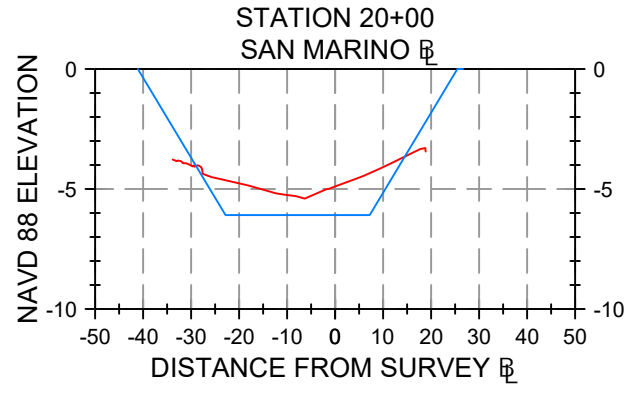
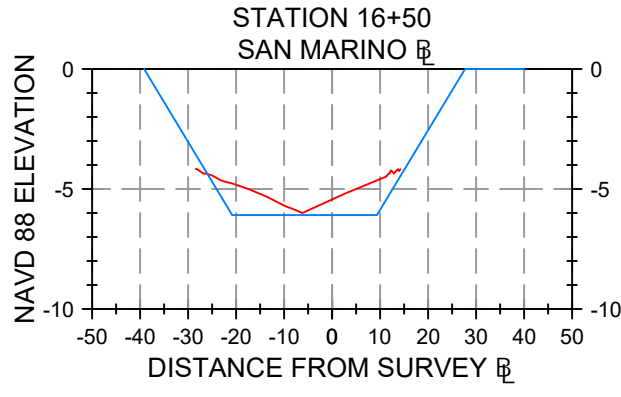
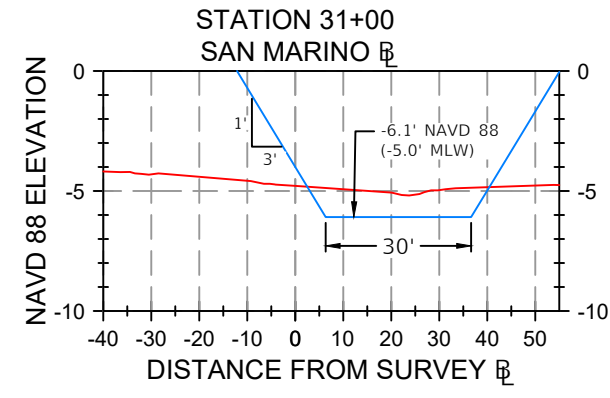
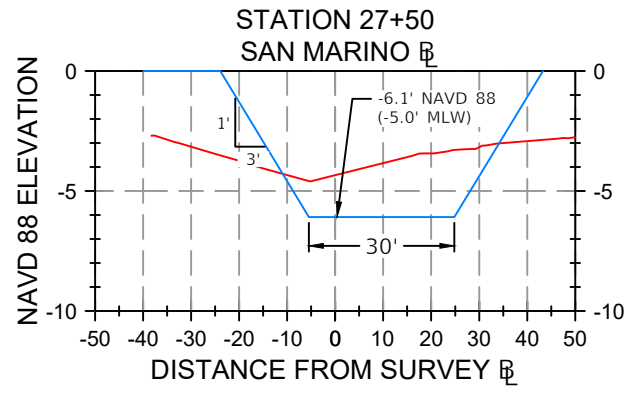
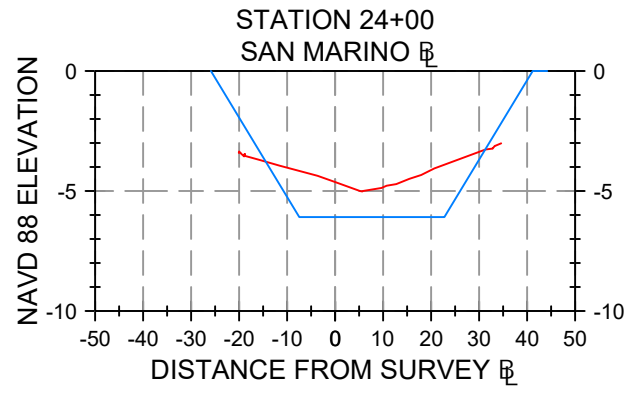
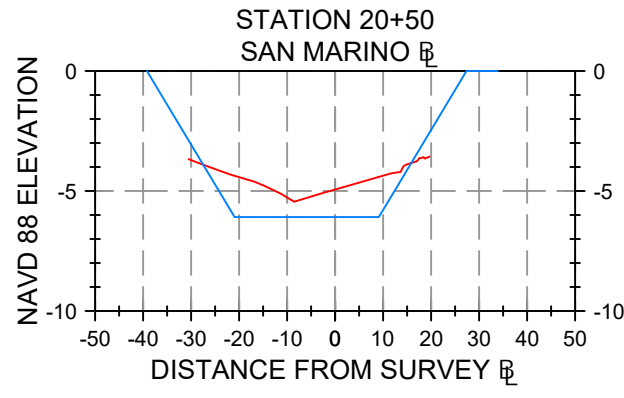
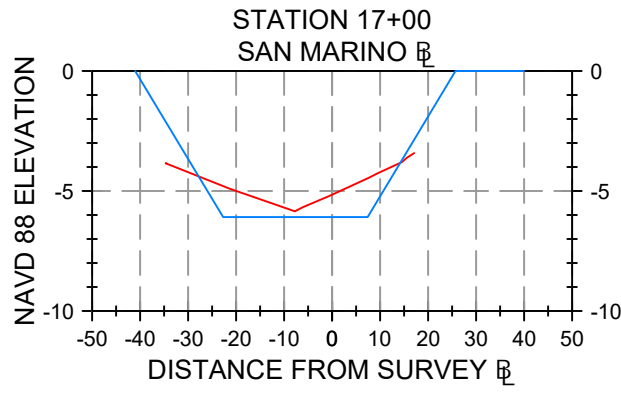
23	OF	HYDROGRAPHIC SURVEY					FILE NAME:				
		PROJECT NO.	24-1940	SECTION:	TOWNSHIP:	RANGE:	PROJECT NO.	24-1940	SECTION:	TOWNSHIP:	RANGE:
HARBOR HEIGHTS WATERWAYS											
AIM Engineering & Surveying, Inc.											
CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT											
TOLL FREE 800-236-4569											
7161 FOWLER STREET, SUITE 100											
FORT MYERS, FLORIDA 33901											
www.aimeng.com											
CERTIFICATE OF AUTHORIZATION No. 3114											
W08 322 PRE-STORM BATHYMETRIC SURVEYS											
PROJECT NAME:											
W08 322 PRE-STORM BATHYMETRIC SURVEYS											
PREPARED BY: AIM ENGINEERING & SURVEYING, INC.											
ANY REVISIONS, ALTERATIONS, OR CHANGES TO DRAWINGS(S) MUST BE SUBMITTED TO THE ENGINEER, AIM ENGINEERING & SURVEYING, INC. IS PROHIBITED!											
NO. DATE BY REVISIONS											
1											
2											
3											
4											
5											
6											
7											
FIELD BOOK: PAGE											
1944 / 1979 57.61 / 32.37											
DRAWN BY: DARRIN TOWNSSEND											
PROFESSIONAL SURVEYOR AND MAPPER											
FLORIDA CERTIFICATE NO. 6476											
NOTED: THIS SURVEY WAS CONDUCTED IN ACCORDANCE WITH THE STANDARDS SET BY THE SURVEYOR AND MAPPER, STATE OF FLORIDA LICENSED SURVEYOR AND MAPPER, NO. 6476											

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

HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA



HYDROGRAPHIC SURVEY
HARBOR HEIGHTS WATERWAYS

PROJECT NO. 24-1940 PH304
COUNTY: CHARLOTTE
TOWNSHIP: S
RANGE: E

SHEET 21
OF 23

AIM Engineering & Surveying, Inc.
CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT
2161 FOWLER STREET, SUITE 100
FORT MYERS, FLORIDA 33901
www.aimengr.com

CLIENT: CHARLOTTE COUNTY

DATE: 01/29/2024
DT: 01/29/2024
CHECKED: RH
DRAWN: RH

DATE: 01/29/2024
DT: 01/29/2024
CHECKED: DT
DRAWN: DT

PROJECT NAME: W04 322 PRE-STORM BATHYMETRIC SURVEYS
PREPARED BY: AIM ENGINEERING & SURVEYING, INC.
SEE SHEET 1
DARREN TOWNSEND
PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 6476
SINCE 1994 (LICENSE NO. 6476)

ANY REVISIONS, ALTERATIONS, OR CHANGES TO DRAWINGS(S) AND/OR CHANGES TO DATA SHALL BE MADE BY THE ENGINEER, INC. IS PROHIBITED.
FIELD BOOK: 1944 / 1979 57.61 / 32.37
PAGE: 57.61 / 32.37

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

HYDROGRAPHIC SURVEY

HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA

BALBOA CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
-0+10	0	0	0
0+00	10	10	10
0+50	50	31	41
1+00	50	26	67
1+50	50	37	104
2+00	50	43	147
2+50	50	44	191
3+00	50	51	242
3+50	50	49	292
4+00	50	38	329
4+50	50	56	386
5+00	50	37	423
5+50	50	44	467
6+00	50	50	517
6+50	50	45	562
7+00	50	42	604
7+50	50	44	648
8+00	50	65	713
8+50	50	51	764
9+00	50	65	830
9+50	50	68	897
10+00	50	57	954
10+50	50	48	1002
11+00	50	61	1063
11+50	50	81	1144
12+00	50	70	1214
12+50	50	73	1287
13+00	50	72	1359
13+50	50	80	1438
14+00	50	91	1529
14+50	50	52	1582
15+00	50	62	1643
15+50	50	82	1726
16+00	50	93	1818
16+50	50	84	1902
17+00	50	82	1983
17+50	50	108	2091
18+00	50	86	2177
18+50	50	78	2256
19+00	50	81	2336
19+50	50	76	2412
20+00	50	66	2478
20+50	50	69	2547
21+00	50	70	2617
21+50	50	103	2720
22+00	50	101	2821
22+50	50	82	2903
23+00	50	100	3003
23+50	50	73	3076
24+00	50	22	3098

BALBOA CANAL TOTAL CY = 3,098

BALBOA EXTENSION

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+17	0	0	0
0+50	33	28	28
1+00	50	47	76
1+50	50	56	131
2+00	50	42	173
2+50	50	63	236
3+00	50	65	301
3+50	50	11	313

BALBOA EXTENSION TOTAL CY = 313

VERSAILLE CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+06	0	0	0
0+50	44	61	61
1+00	50	71	133
1+50	50	48	181
2+00	50	50	231
2+50	50	54	285
3+00	50	63	347
3+19	19	25	372

VERSAILLE CANAL TOTAL CY = 372

VINCENNES CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+12	0	0	0
0+50	38	28	28
1+00	50	38	65
1+50	50	44	110
2+00	50	37	147
2+50	50	43	189
3+00	50	48	237
3+21	21	19	256
3+92	71	0	256
4+00	8	8	264
4+50	50	47	311
5+00	50	55	367
5+50	50	45	412
6+00	50	46	458
6+50	50	78	536
6+59	9	15	552

VINCENNES CANAL TOTAL CY = 552

VENDROME CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+22	0	0	0
0+50	28	16	16
1+00	50	9	26
1+50	50	25	51
2+00	50	14	65
2+50	50	23	88
3+00	50	35	123
3+41	41	24	147
4+00	59	0	147
4+50	50	38	185
5+00	50	34	219
5+50	50	22	241
6+00	50	23	263
6+50	50	21	284
6+58	8	4	288

VENDROME CANAL TOTAL CY = 288

VICEROY CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+06	0	0	0
0+50	44	35	35
1+00	50	32	68
1+50	50	28	96
2+00	50	25	121
2+50	50	34	155
3+00	50	38	192
3+26	26	18	211
3+80	54	0	211
4+00	20	13	224
4+50	50	23	247
5+00	50	13	260
5+50	50	14	273
6+00	50	11	285
6+50	50	34	319
6+51	1	1	320

VICEROY CANAL TOTAL CY = 320

DESOTO CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+21	0	0	0
0+50	29	90	90
1+00	50	105	195
1+50	50	90	285
2+00	50	112	397
2+50	50	136	533
3+00	50	146	679
3+50	50	145	824
4+00	50	106	930
4+50	50	91	1021
5+00	50	86	1107
5+50	50	85	1191
6+00	50	86	1277
6+50	50	72	1350
7+00	50	58	1408
7+50	50	27	1434
8+00	50	33	1467
8+50	50	31	1499
9+00	50	24	1522
9+50	50	37	1559
10+00	50	59	1618
10+50	50	35	1654
11+00	50	47	1700
11+50	50	41	1741
12+00	50	49	1790
12+50	50	35	1824
13+00	50	32	1857
13+50	50	23	1880
14+00	50	24	1904
14+50	50	20	1924
15+00	50	23	1947
15+50	50	24	1970
16+00	50	13	1983
16+50	50	13	1996
17+00	50	11	2007
17+50	50	24	2031
18+00	50	24	2055
18+50	50	25	2079
19+00	50	30	2109
19+50	50	25	2134
20+00	50	20	2154
20+50	50	24	2178
21+00	50	33	2211
21+50	50	32	2243
22+00	50	35	2278
22+50	50	37	2314
23+00	50	41	2356
23+50	50	28	2383
24+00	50	24	2408
24+50	50	29	2437
25+00	50	31	2468
25+50	50	29	2496
26+00	50	27	2523
26+50	50	28	2551
27+00	50	21	2572
27+50	50	36	2608
28+00	50	33	2641
28+50	50	10	2651
29+00	50	1	2652
29+50	50	3	2655

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
30+00	50	22	2677
30+50	50	18	2695
31+00	50	16	2712
31+50	50	26	2737
32+00	50	14	2751
32+50	50	23	2774
33+00	50	30	2804
33+50	50	34	2838
34+00	50	28	2866
34+50	50	25	2891
35+00	50	34	2925
35+50	50	29	2954
36+00	50	30	2983
36+50	50	25	3008
37+00	50	32	3040
37+50	50	52	3092
38+00	50	48	3141
38+50	50	39	3180
39+00	50	34	3213
39+50	50	42	3255
40+00	50	49	3304
40+50	50	67	3371
41+00	50	65	3437
41+50	50	48	3485
42+00	50	25	3510
42+50	50	52	3561
43+00	50	38	3599
43+50	50	0	3599

DESOTO CANAL TOTAL CY = 3,599

SANTA CLARA CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
-0+11	0	0	0
0+00	11	31	31
0+50	50	158	189
1+00	50	138	327
1+50	50	135	462
2+00	50	139	601
2+50	50	118	720
3+00	50	106	826
3+50	50	99	925
4+00	50	115	1041
4+50	50	141	1182
5+00	50	149	1331
5+50	50	144	1475
6+00	50	163	1638
6+50	50	136	1773
7+00	50	86	1859
7+50	50	48	1907
8+00	50	2	1909

SANTA CLARA CANAL TOTAL CY = 1,909

HYDROGRAPHIC SURVEY

HARBOR HEIGHTS WATERWAYS

PROJECT NO.
24-1940

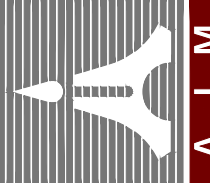
COUNTY
CHARLOTTE

TITLE NAME
24-1940_P41304

SECTION
S

SHEET
22

OF
23



AIM Engineering & Surveying, Inc.

CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT

2161 FOWLER STREET, SUITE 100
FORT MYERS, FLORIDA 33901
www.aimengr.com

CLIENT
CHARLOTTE COUNTY

DATE
01/28/2024

DRAWN
RH

CHECKED
DT

DATE
01/29/2024

PROJECT NAME
WOM 322 PRE-STORM BATHYMETRIC SURVEYS

PREPARED BY
DAKAREN TOWNSEND
PROFESSOR OF SURVEYING
FLORIDA CERTIFICATE NO. 6476

ANY REVISIONS, ALTERATIONS,
AND/OR CHANGES TO DRAWINGS(S)
MUST BE SUBMITTED TO THE PROJECT
MANAGER AND APPROVED BY HIM/HER
BEFORE ANY REVISIONS ARE MADE.
INC. IS PROHIBITED

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

PAGE
1944 / 1979 57-61 / 32-37

J:\Active\24-1940 WOM322 Charlotte Co Pre-Storm Bathy-Worship\2407_RH WORKING\24-1940_P41304.dwg 1/30/2025 1:59:43 PM

HYDROGRAPHIC SURVEY

HARBOR HEIGHTS WATERWAYS
CHARLOTTE COUNTY, FLORIDA

DOVER CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+12	0	0	0
0+50	38	23	23
1+00	50	33	56
1+50	50	40	96
2+00	50	50	145
2+50	50	39	184
3+00	50	0	184
3+50	50	32	216
4+00	50	30	247
4+50	50	38	285
5+00	50	44	328
5+50	50	46	375
6+00	50	49	423
6+50	50	36	459
7+00	50	58	517
7+50	50	66	583
8+00	50	55	638
8+50	50	48	687
9+00	50	51	738
9+50	50	83	820
10+00	50	67	887
10+50	50	55	943
11+00	50	69	1012
11+50	50	71	1082
12+00	50	56	1138
12+50	50	38	1176
13+00	50	60	1237
13+50	50	62	1299
14+00	50	61	1360
14+50	50	61	1421
15+00	50	56	1478
15+50	50	51	1528
16+00	50	47	1575
16+50	50	58	1633
17+00	50	42	1675
17+50	50	52	1727
18+00	50	40	1767
18+14	14	5	1772

DOVER CANAL TOTAL CY = 1,772

DOVER CANAL ENTRANCE

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+32	0	0	0
0+50	18	4	4
1+00	50	13	17
1+50	50	22	39
2+00	50	32	71
2+50	50	30	101
3+00	50	13	113
3+50	50	10	124
4+00	50	1	125

DOVER CANAL ENTRANCE TOTAL CY = 125

SANTA BARBARA CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+02	0	0	0
0+50	48	68	68
1+00	50	68	136
1+50	50	61	196
2+00	50	73	269
2+50	50	65	334
3+00	50	64	398
3+50	50	67	466
4+00	50	61	527
4+50	50	60	587
5+00	50	59	647
5+50	50	62	708
6+00	50	58	767
6+50	50	60	827
7+00	50	64	891
7+50	50	54	945
8+00	50	57	1002
8+50	50	62	1064
9+00	50	65	1129
9+50	50	62	1191
10+00	50	59	1251
10+50	50	68	1319
11+00	50	61	1379
11+50	50	60	1439
12+00	50	58	1497
12+50	50	68	1565
13+00	50	60	1625
13+50	50	59	1683
14+00	50	68	1751
14+50	50	49	1800

SANTA BARBARA CANAL TOTAL CY = 1,803

SAN SALVADOR CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+26	0	0	0
0+50	24	26	26
1+00	50	43	69
1+50	50	53	122
2+00	50	53	175
2+50	50	51	225
3+00	50	53	278
3+50	50	57	335
4+00	50	48	383
4+50	50	48	430
5+00	50	52	483
5+50	50	71	554
6+00	50	85	639
6+50	50	71	710
7+00	50	68	778
7+50	50	62	841
8+00	50	52	893
8+50	50	47	940
9+00	50	45	985
9+50	50	39	1024
10+00	50	29	1053
10+50	50	22	1075
11+00	50	24	1099
11+50	50	42	1141
12+00	50	38	1179
12+50	50	32	1211
13+00	50	52	1264
13+50	50	56	1319
14+00	50	54	1374
14+50	50	46	1419
15+00	50	44	1464
15+50	50	36	1500
16+00	50	35	1534
16+50	50	55	1590
17+00	50	67	1657
17+50	50	54	1711
18+00	50	34	1745
18+50	50	36	1781
19+00	50	26	1807
19+50	50	29	1836
20+00	50	41	1876
20+08	8	7	1884

SAN SALVADOR CANAL TOTAL CY = 1,884

SAN SALVADOR ENTRANCE

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+17	0	0	0
0+50	33	32	32
1+00	50	47	79
1+50	50	52	131
2+00	50	63	194
2+50	50	83	277
3+00	50	72	349
3+50	50	69	418
3+76	26	17	435
4+00	24	0	435

SAN SALVADOR ENTRANCE TOTAL CY =
435

SAN MARINO CANAL

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
0+10	0	0	0
0+50	40	11	11
1+00	50	1	12
1+50	50	33	45
2+00	50	24	68
2+50	50	14	83
3+00	50	14	96
3+50	50	10	106
4+00	50	21	127
4+50	50	14	141
5+00	50	26	167
5+50	50	37	204
6+00	50	33	237
6+50	50	33	270
7+00	50	37	307
7+50	50	31	338
8+00	50	70	407
8+50	50	49	456
9+00	50	60	516
9+50	50	60	576
10+00	50	53	630
10+50	50	41	670
11+00	50	43	714
11+50	50	51	765
12+00	50	42	806
12+50	50	72	878
13+00	50	51	929
13+50	50	59	989
14+00	50	26	1014
14+50	50	31	1045
15+00	50	43	1088
15+50	50	37	1125
16+00	50	42	1167
16+50	50	63	1230
17+00	50	60	1290
17+50	50	67	1357
18+00	50	67	1424
18+50	50	73	1498
19+00	50	70	1567
19+50	50	63	1630
20+00	50	88	1718
20+50	50	87	1805
21+00	50	98	1903
21+50	50	91	1994
22+00	50	102	2096
22+50	50	115	2211
23+00	50	97	2307
23+50	50	112	2419
24+00	50	120	2540
24+50	50	110	2650
25+00	50	93	2742
25+50	50	115	2857
26+00	50	129	2986
26+50	50	126	3112
27+00	50	114	3226
27+50	50	153	3379
28+00	50	181	3560
28+50	50	144	3704
29+00	50	304	4009
29+50	50	160	4168

VOLUMES ABOVE DREDGE TEMPLATE			
STA.	DIST. (FT) TO PREVIOUS STA.	VOL. (CY)	CUMULATIVE VOL. (CY)
30+00	50	154	4322
30+50	50	127	4449
31+00	50	80	4529
31+48	48	46	4575
32+00	52	1	4576

SAN MARINO CANAL TOTAL CY = 4,576

COMBINED TOTAL CY = 21,046

VOLUME TABLES

HYDROGRAPHIC SURVEY

HARBOR HEIGHTS WATERWAYS

PROJECT NO.: 24-1940

COUNTY: CHARLOTTE

TITLE: 24-1940 PH304

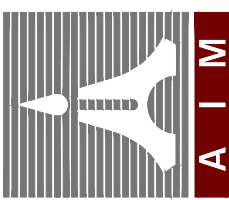
SECTOR: S

TOWNSHIP: PH304

RANGE: S

SHEET: 23

OF: 23



AIM Engineering & Surveying, Inc.

CIVIL * SANITARY * TRANSPORTATION * DEVELOPMENT * PROJECT MANAGEMENT

2161 FOWLER STREET, SUITE 100

FORT MYERS, FLORIDA 33901

www.aimengr.com

CLIENT: CHARLOTTE COUNTY

DATE: 01/29/2024

DT: 01/29/2024

DRAWN: RH

CHECKED: DT

DATE: 01/29/2024

PROJECT NAME: WOB 322 PRE-STORM BATHYMETRIC SURVEY'S

PREPARED BY: AIM ENGINEERING & SURVEYING, INC.

SEE SHEET 1

DARREN TOUJ/SEUD

PROFESSIONAL SURVEYOR AND MAPPER

FLORIDA CERTIFICATE NO. 6676

STATE OF FLORIDA LICENSED SURVEYOR

ANY REVISIONS, ALTERATIONS, AND/OR CHANGES TO DRAWINGS AND/OR TEMPLATE SHALL BE MADE BY: AIM ENGINEERING & SURVEYING, INC. IS PROHIBITED!

FIELD BOOK: 1944 / 1979

PAGE: 57-61 / 32-37

REVISIONS:

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

J:\Active\24-1940 WOB322 Charlotte Co Pre-Storm Bathy\Working\2407_RH WOBKING\24-1940_PH303.dwg 1/31/2025 9:29:16 AM