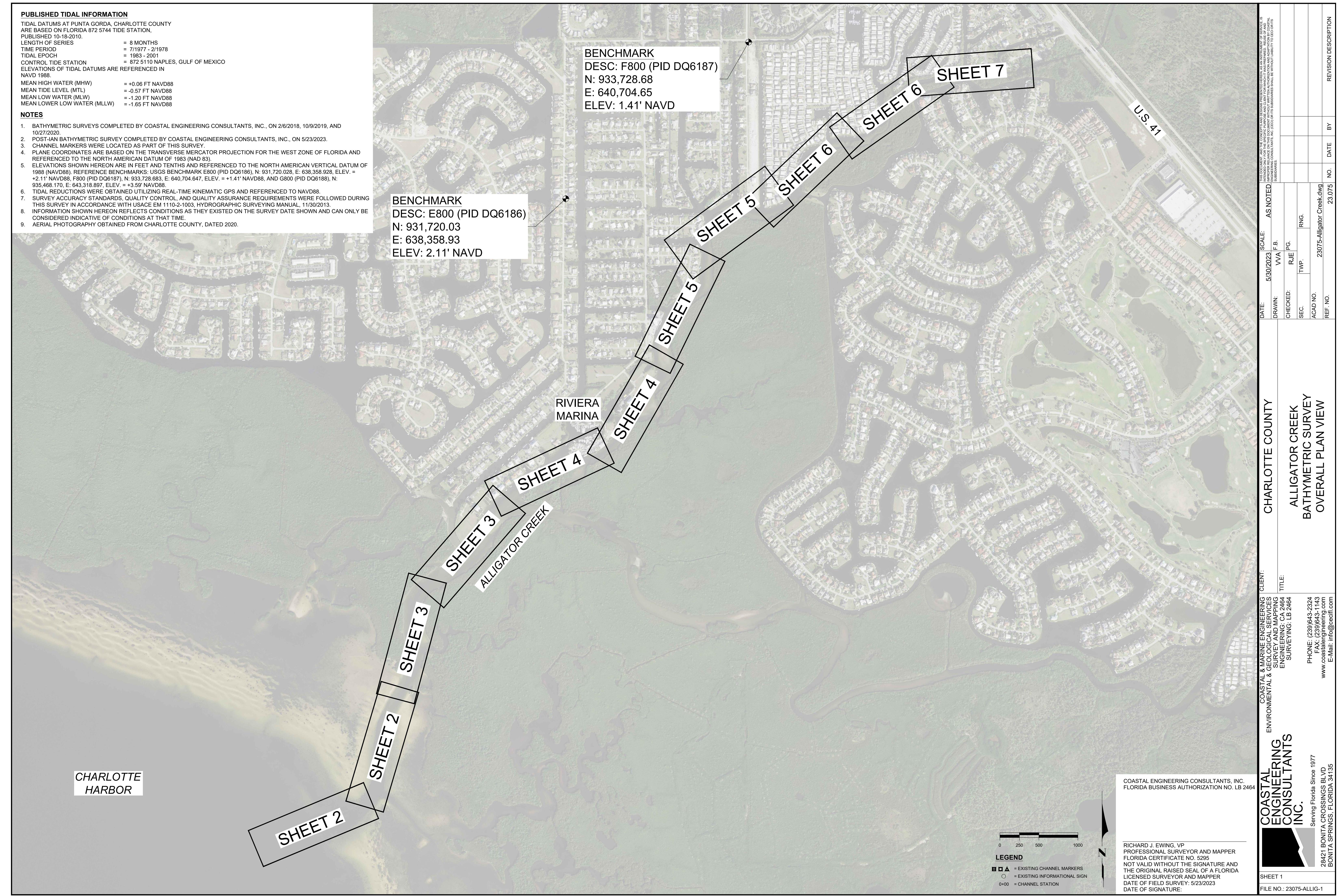
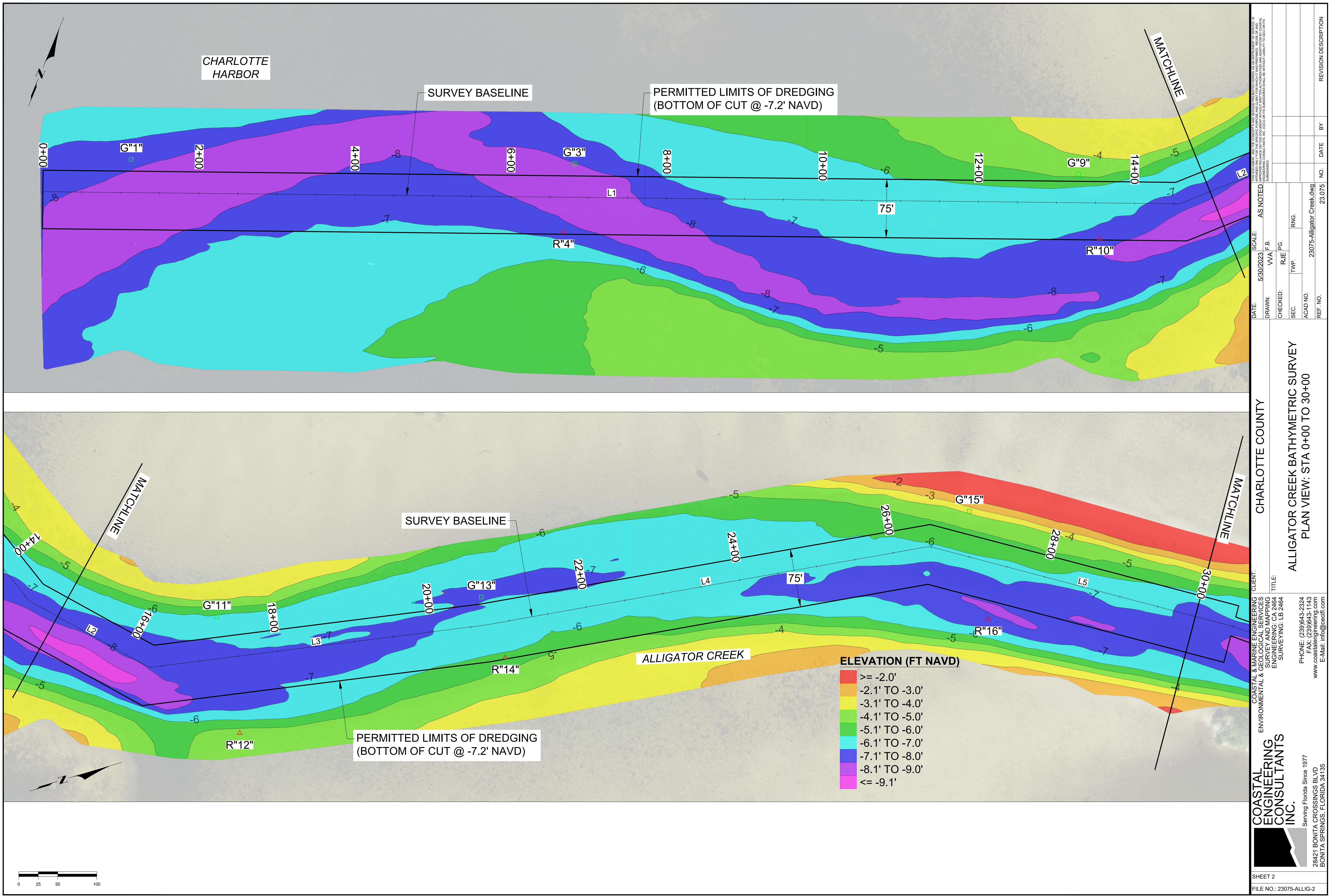


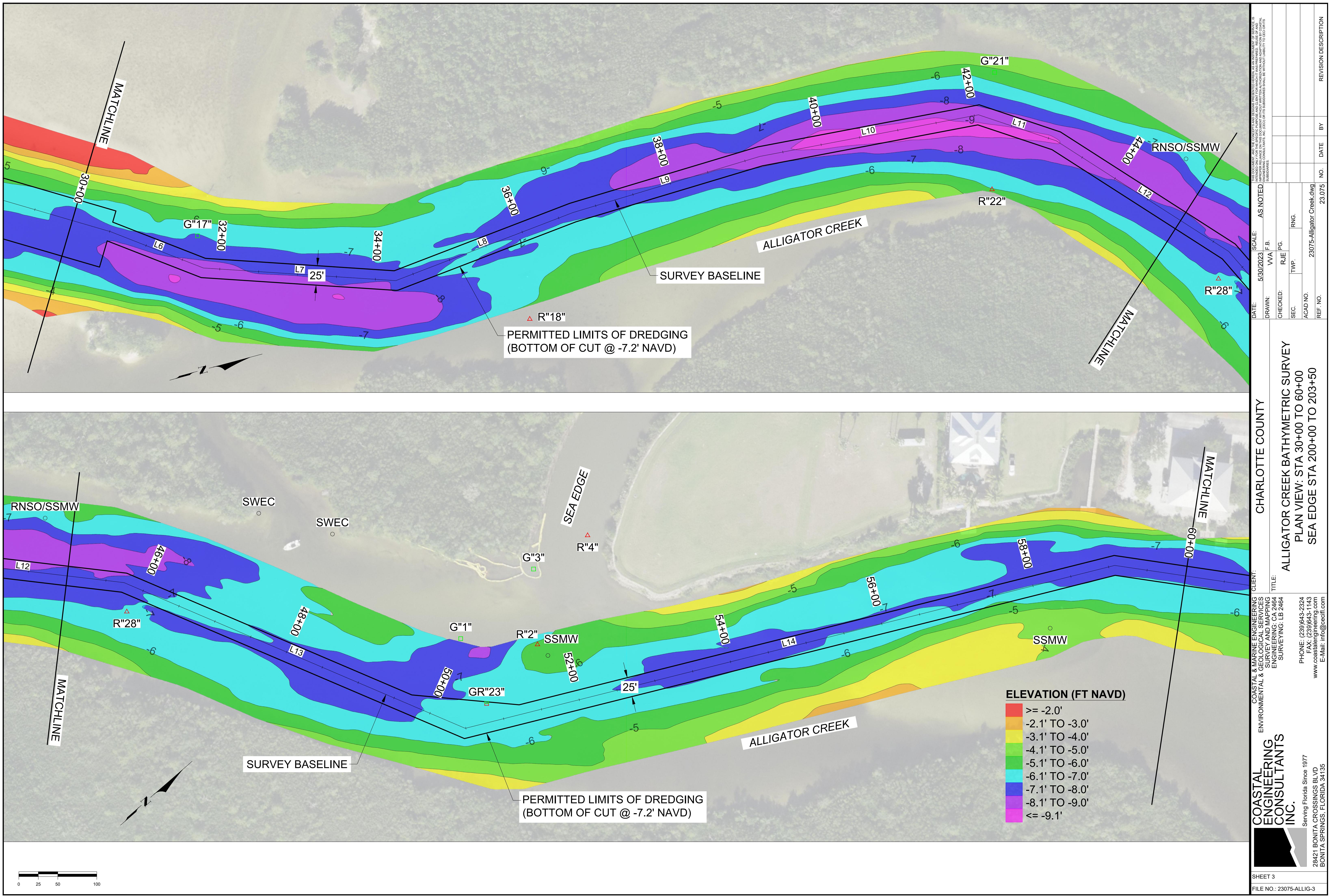
**PUBLISHED TIDAL INFORMATION**  
 TIDAL DATUMS AT PUNTA GORDA, CHARLOTTE COUNTY  
 ARE BASED ON FLORIDA 872 5744 TIDE STATION,  
 PUBLISHED 10-18-2010.  
 LENGTH OF SERIES = 8 MONTHS  
 TIME PERIOD = 7/1977 - 2/1978  
 TIDAL EPOCH = 1983 - 2001  
 CONTROL TIDE STATION = 872 5110 NAPLES, GULF OF MEXICO  
 ELEVATIONS OF TIDAL DATUMS ARE REFERENCED IN  
 NAVD 1988.  
 MEAN HIGH WATER (MHW) = +0.06 FT NAVD88  
 MEAN TIDE LEVEL (MTL) = -0.57 FT NAVD88  
 MEAN LOW WATER (MLW) = -1.20 FT NAVD88  
 MEAN LOWER LOW WATER (MLLW) = -1.65 FT NAVD88

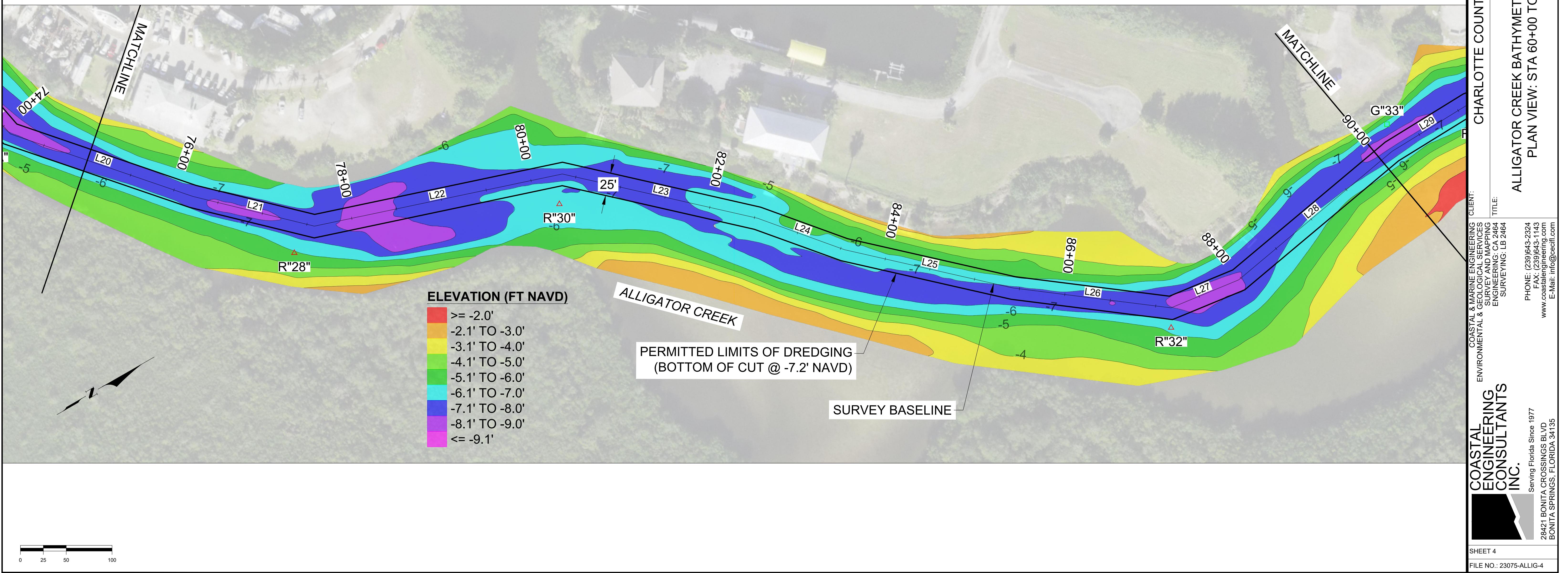
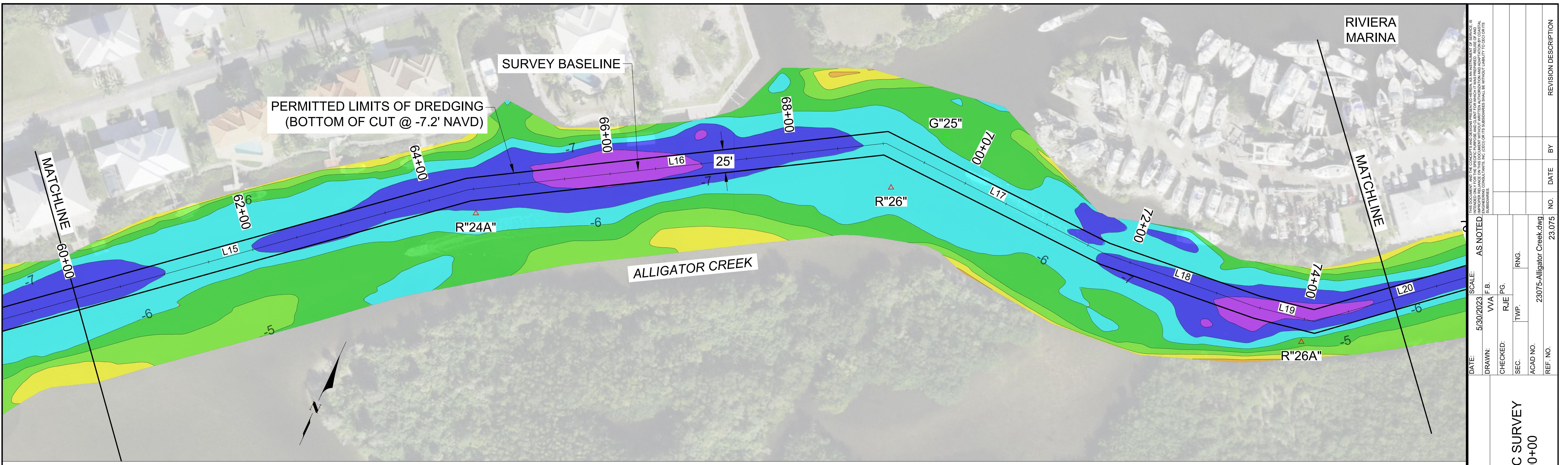
**NOTES**

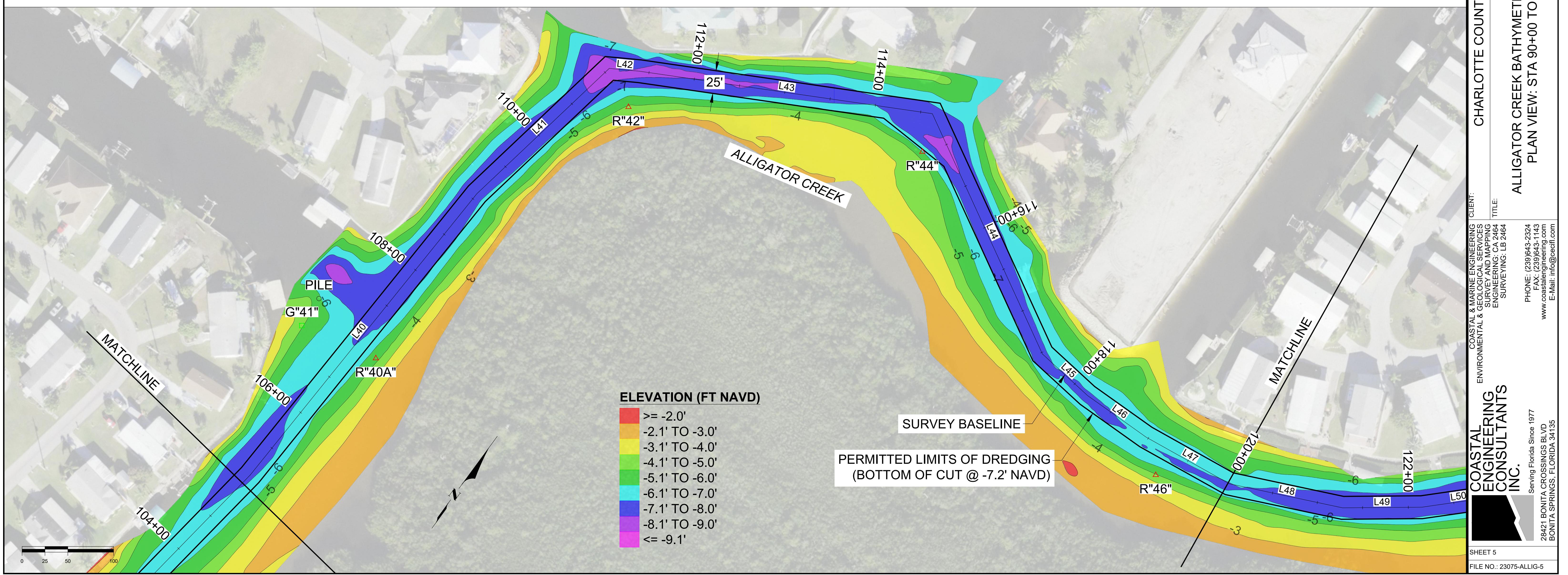
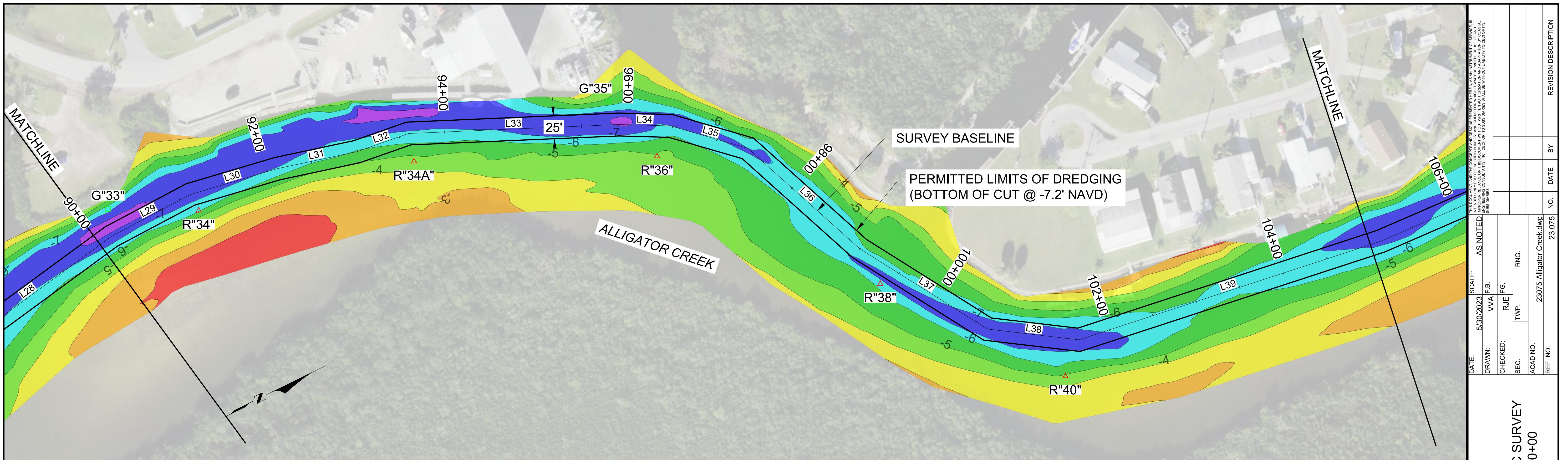
1. BATHYMETRIC SURVEYS COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC., ON 2/6/2018, 10/9/2019, AND 10/27/2020.
2. POST-JAN BATHYMETRIC SURVEY COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC., ON 5/23/2023.
3. CHANNEL MARKERS WERE LOCATED AS PART OF THIS SURVEY.
4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).
5. ELEVATIONS SHOWN HEREON ARE IN FEET AND TENTHS AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). REFERENCE BENCHMARKS: USGS BENCHMARK E800 (PID DQ6186), N: 931,720.028, E: 638,358.928, ELEV. = +2.11' NAVD88; F800 (PID DQ6187), N: 933,728.683, E: 640,704.647, ELEV. = +1.41' NAVD88, AND G800 (PID DQ6188), N: 935,468.170, E: 643,318.897, ELEV. = +3.59' NAVD88.
6. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD88.
7. SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING MANUAL, 11/30/2013.
8. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
9. AERIAL PHOTOGRAPHY OBTAINED FROM CHARLOTTE COUNTY, DATED 2020.

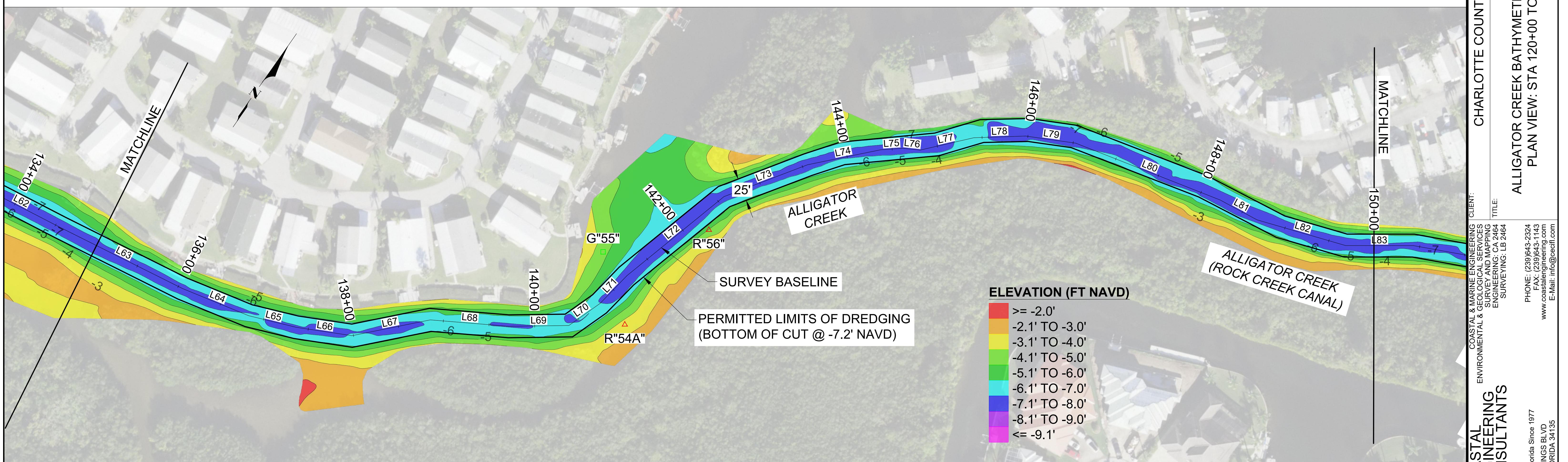
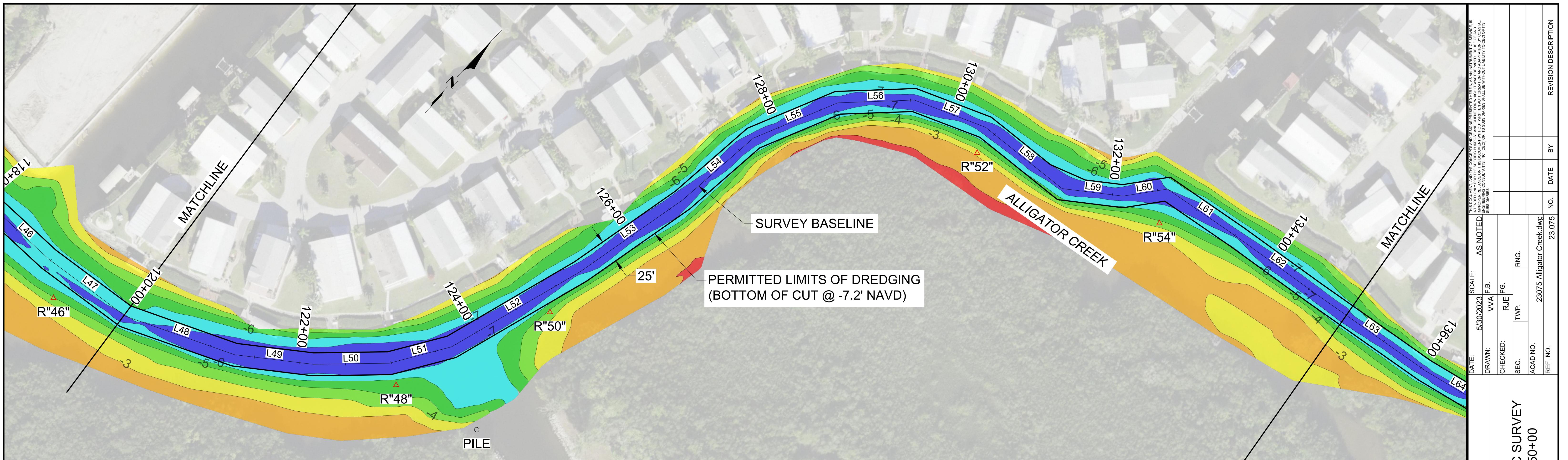


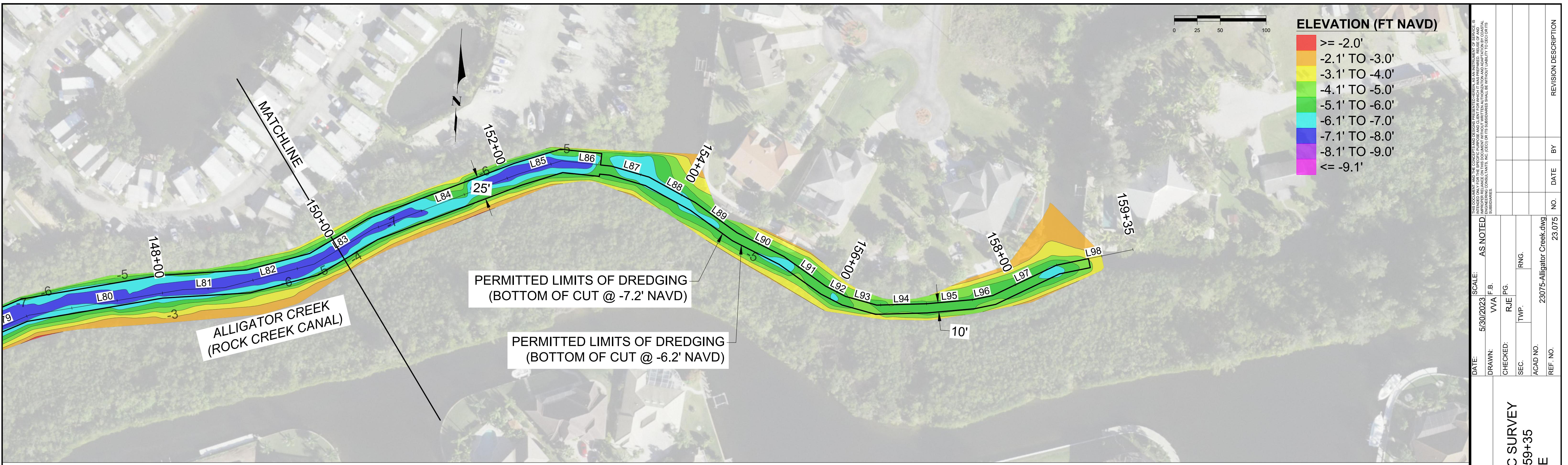








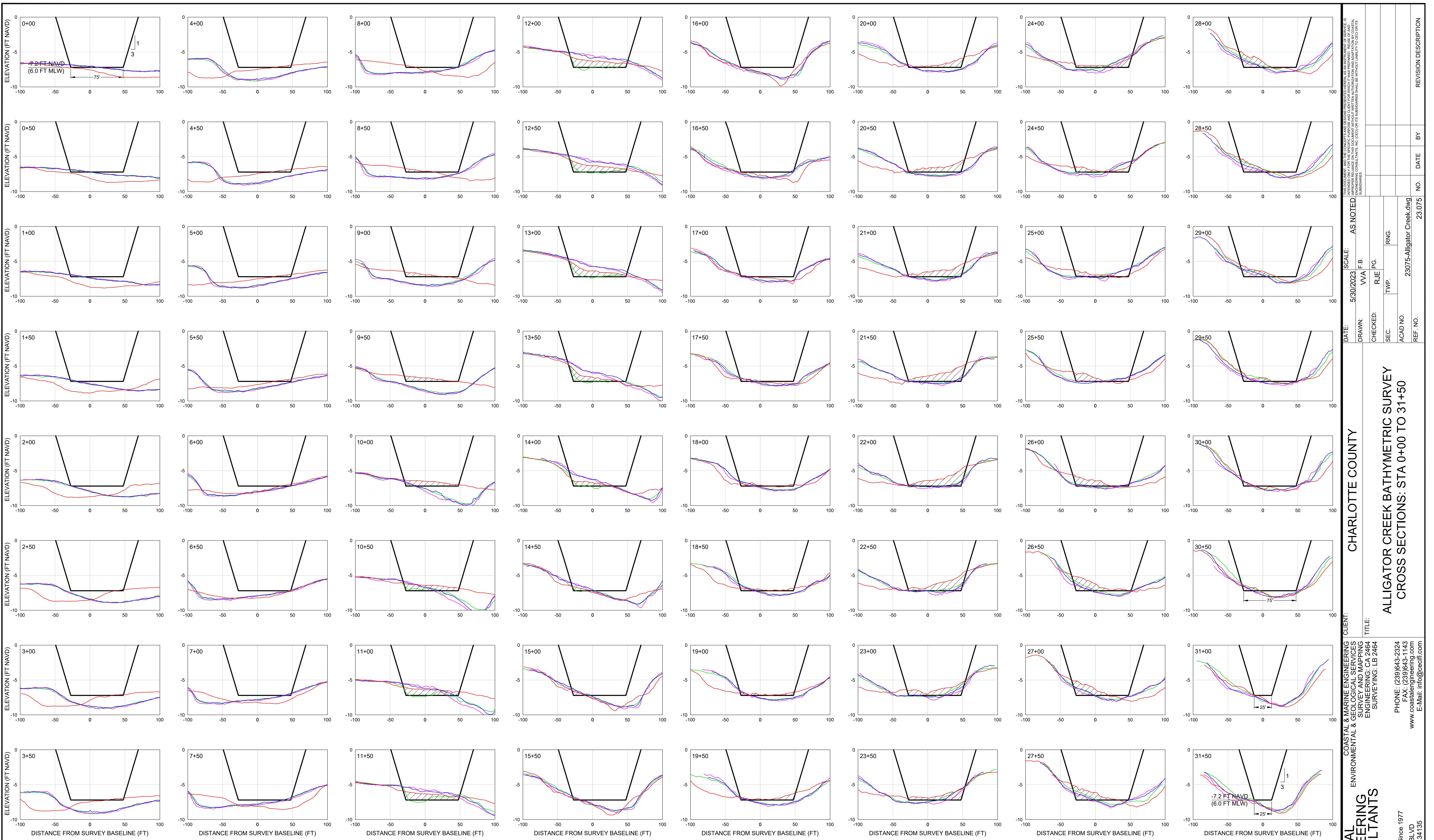




SURVEY BASELINE LINE TABLE				
LINE #	DIRECTION	LENGTH	START POINT (N, E)	END POINT (N, E)
L1	N68° 01' 16"E	1458.31'	923410.60', 634427.67'	923956.39', 635779.99'
L2	N45° 24' 39"E	176.60'	923956.39', 635779.99'	924080.37', 635905.76'
L3	N9° 17' 05"E	431.94'	924080.37', 635905.76'	924506.65', 635975.45'
L4	N6° 26' 03"E	580.41'	924506.65', 635975.45'	925083.40', 636040.49'
L5	N31° 14' 24"E	404.03'	925083.40', 636040.49'	925428.85', 636250.03'
L6	N36° 17' 14"E	127.64'	925428.85', 636250.03'	925531.73', 636325.57'
L7	N18° 42' 40"E	247.26'	925531.73', 636325.57'	925765.93', 636404.89'
L8	N6° 04' 40"W	243.38'	925765.93', 636404.89'	926007.93', 636379.12'
L9	N11° 46' 23"W	250.59'	926007.93', 636379.12'	926258.40', 636371.37'
L10	N4° 10' 53"E	285.24'	926258.40', 636371.37'	926542.88', 636392.17'
L11	N33° 25' 07"E	105.08'	926542.88', 636392.17'	926630.59', 636450.04'
L12	N47° 37' 34"E	262.96'	926630.59', 636450.04'	926807.82', 636644.31'
L13	N64° 01' 06"E	475.83'	926807.82', 636644.31'	927016.27', 637072.05'
L14	N26° 48' 04"E	858.72'	927016.27', 637072.05'	927282.75', 637459.25'
L15	N49° 18' 29"E	536.58'	927282.75', 637459.25'	928132.59', 637866.09'
L16	N58° 31' 59"E	458.44'	928132.59', 637866.09'	928371.90', 638257.12'
L17	S88° 22' 15"E	267.80'	928371.90', 638257.12'	928364.29', 638524.81'
L18	N84° 14' 24"E	176.06'	928364.29', 638524.81'	928381.96', 638699.98'
L19	N78° 50' 00"E	64.27'	928381.96', 638699.98'	928394.41', 638763.03'
L20	N48° 40' 50"E	210.47'	928394.41', 638763.03'	928533.37', 638921.10'
L21	N43° 30' 8"E	136.82'	928533.37', 638921.10'	928632.60', 639015.32'
L22	N17° 54' 38"E	276.57'	928632.60', 639015.32'	928985.76', 639100.37'
L23	N42° 43' 46"E	218.39'	928985.76', 639100.37'	929056.61', 639248.09'
L24	N49° 41' 16"E	100.79'	929056.61', 639248.09'	929121.82', 639324.94'
L25	N42° 33' 46"E	189.12'	929121.82', 639324.94'	929261.11', 639452.86'
L26	N36° 58' 17"E	173.50'	929261.11', 639452.86'	929399.73', 639557.21'
L27	N7° 19' 52"E	80.11'	929399.73', 639557.21'	929479.18', 639567.43'
L28	N10° 10' 08"W	218.06'	929479.18', 639567.43'	929693.81', 639528.93'
L29	N1° 53' 41"W	97.96'	929693.81', 639528.93'	929791.74', 639525.69'
L30	N9° 31' 46"E	99.05'	929791.74', 639525.69'	929889.42', 639542.09'
L31	N14° 02' 04"E	88.98'	929889.42', 639542.09'	929975.74', 639563.67'
L32	N6° 41' 11"E	59.92'	929975.74', 639563.67'	930035.25', 639570.64'
L33	N23° 37' 53"E	230.01'	930035.25', 639570.64'	930245.97', 639662.84'
L34	N27° 37' 08"E	56.37'	930245.97', 639662.84'	930295.92', 639688.98'
L35	N42° 14' 18"E	88.00'	930295.92', 639688.98'	930361.07', 639748.13'

SURVEY BASELINE LINE TABLE				
LINE #	DIRECTION	LENGTH	START POINT (N, E)	END POINT (N, E)
L36	N67° 57' 20"E	164.20'	930361.07', 639748.13'	930422.70', 639900.33'
L37	N58° 13' 59"E	165.04'	930422.70', 639900.33'	930509.59', 640040.65'
L38	N32° 46' 18"E	100.52'	930509.59', 640040.65'	930594.11', 640095.06'
L39	N7° 59' 33"E	347.17'	930594.11', 640095.06'	930937.90', 640143.33'
L40	N2° 36' 08"E	394.88'	930937.90', 640143.33'	931332.38', 640161.26'
L41	N10° 18' 26"E	199.28'	931332.38', 640161.26'	931528.44', 640196.92'
L42	N59° 07' 39"E	33.26'	931528.44', 640196.92'	931545.50', 640225.46'
L43	N62° 00' 31"E	323.29'	931545.50', 640225.46'	931697.24', 640510.93'
L44	S60° 50' 28"E	288.90'	931697.24', 640510.93'	931556.48', 640763.22'
L45	S83° 35' 12"E	66.94'	931556.48', 640763.22'	931549.00', 640829.74'
L46	N89° 09' 34"E	78.40'	931549.00', 640829.74'	931550.15', 640900.13'
L47	N83° 01' 55"E	104.52'	931550.15', 640900.13'	931562.83', 641011.88'
L48	N65° 46' 44"E	126.41'	931562.83', 641011.88'	931614.69', 641127.16'
L49	N53° 18' 27"E	86.52'	931614.69', 641127.16'	931668.54', 641196.54'
L50	N45° 33' 17"E	83.26'	931668.54', 641196.54'	931724.69', 641255.98'
L51	N31° 36' 52"E	70.37'	931724.69', 641255.98'	931784.62', 641292.87'
L52	N16° 03' 03"E	163.30'	931784.62', 641292.87'	931941.55', 641338.02'
L53	N11° 20' 14"E	136.38'	931941.55', 641338.02'	932075.27', 641364.83'
L54	N5° 25' 25"E	102.58'	932075.27', 641364.83'	932177.43', 641374.14'
L55	N23° 36' 39"E	99.79'	932177.43', 641374.14'	932268.87', 641414.11'
L56	N44° 15' 51"E	83.69'	932268.87', 641414.11'	932328.80', 641472.52'
L57	N67° 13' 19"E	83.35'	932328.80', 641472.52'	932361.07', 641549.37'
L58	N85° 04' 01"E	107.22'	932361.07', 641549.37'	932370.29', 641709.19'
L59	N53° 24' 13"E	67.01'	932370.29', 641709.19'	932410.24', 641709.19'
L60	S67° 20' 40"E	57.24'	932410.24', 641709.19'	933337.54', 643307.29'
L61	S78° 47' 19"E	55.68'	933337.54', 643307.29'	934401.66', 643353.53'
L62	S66° 56' 22"E	24.33'	934401.66', 643353.53'	933399.96', 643408.19'
L63	S78° 38' 22"E	35.33'	933399.96', 643408.19'	933391.02', 643449.91'
L64	N77° 11' 17"E	78.10'	933391.02', 643449.91'	933367.14', 643502.01'
L65	N68° 36' 48"E	53.36'	933367.14', 643502.01'	933337.54', 643549.99'
L66	N63° 26' 36"E	61.87'	933337.54', 643549.99'	933154.49', 643602.82'
L67	N43° 27' 24"E	87.16'	933154.49', 643602.82'	932864.64', 643650.44'
L68	N59° 13' 39"E	85.88'	932864.64', 643650.44'	932277.11', 643672.83'
L69	N84° 14' 23"E	54.26'	932277.11', 643672.83'	932370.29', 643761.45'
L70	N19° 37' 05"E	41.83'	932370.29', 643761.45'	932745.44', 643811.83'

SURVEY BASELINE LINE TABLE				
LINE #	DIRECTION	LENGTH	START POINT (N, E)	END POINT (N, E)
L71	N8° 53' 01"E	42.20'	932749.45', 642463.00'	932791.14', 642469.52'



**COASTAL**  
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SHEET 8

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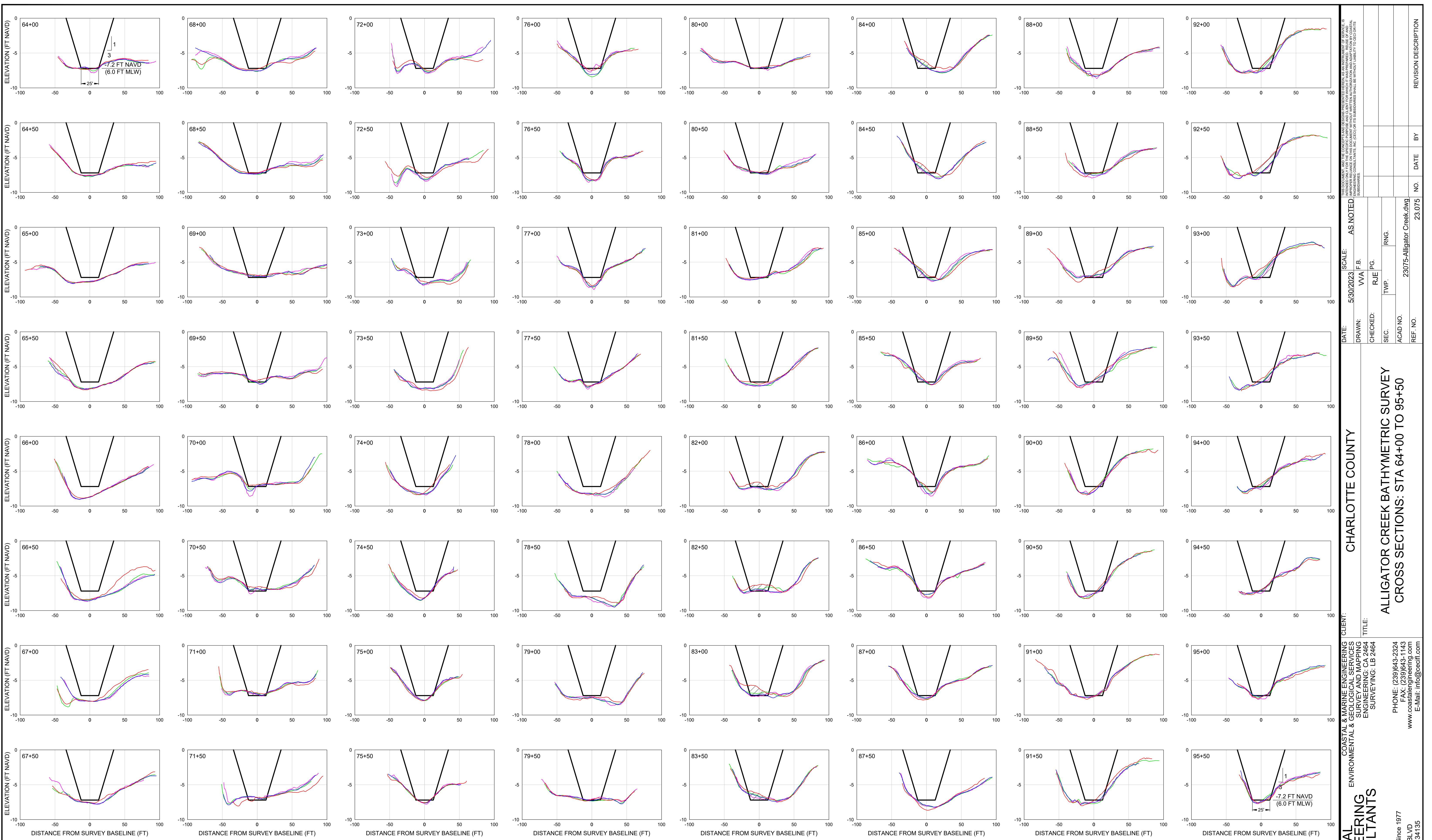
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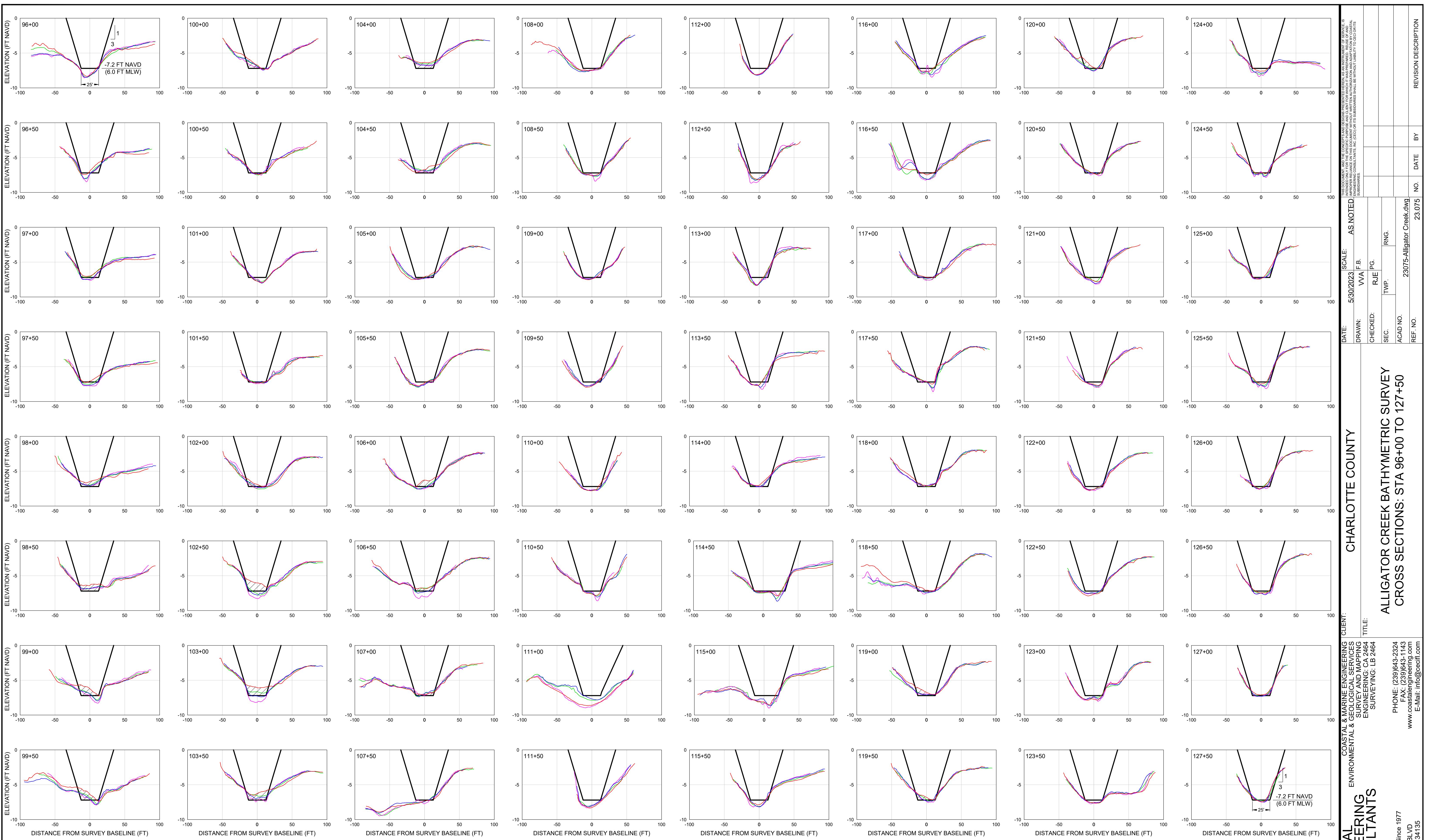
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H: 1" = 60'  
V: 1" = 6'

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E-mail: info@coastal.com

CLIENT: CHARLOTTE COUNTY

TITLE: ALLIGATOR CREEK BATHYMETRIC SURVEY

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