

TOPSAIL BEACH 2023-2024 MAINTENANCE PROJECT PENDER COUNTY, NORTH CAROLINA

**Beach Fill and Dredging of areas including:
Topsail Inlet, Banks Connector Channel,
Topsail Creek, and Cut Through Channel**

**WINTER 2023-2024
Post Construction**

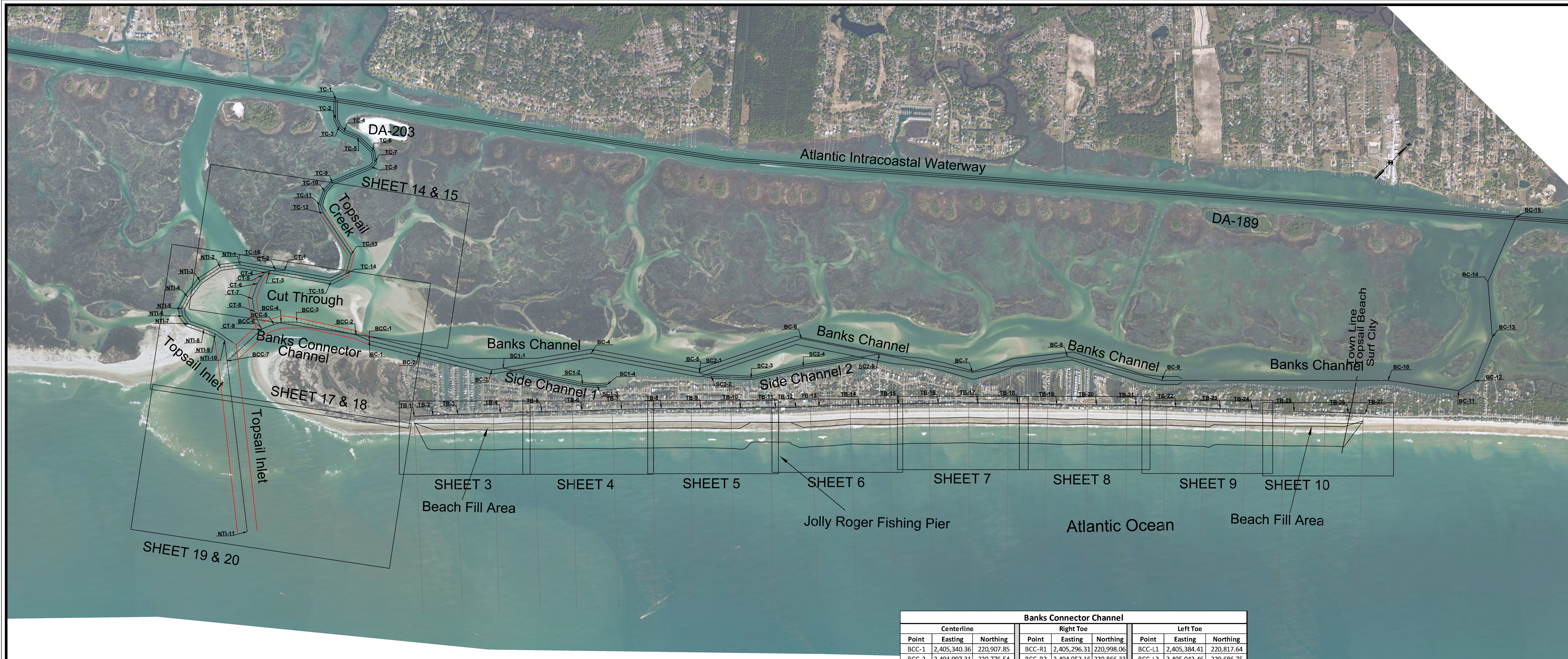


NOT TO SCALE

TABLE OF CONTENTS	
SHEET 1	COVER
SHEET 2	PROJECT LAYOUT AND CONTROL
SHEET 3	BEACH LAYOUT & BATHYMETRY STA 0-25
SHEET 4	BEACH LAYOUT & BATHYMETRY STA 30-60
SHEET 5	BEACH LAYOUT & BATHYMETRY STA 60-90
SHEET 6	BEACH LAYOUT & BATHYMETRY STA 95-120
SHEET 7	BEACH LAYOUT & BATHYMETRY STA 125-150
SHEET 8	BEACH LAYOUT & BATHYMETRY STA 155-185
SHEET 9	BEACH LAYOUT & BATHYMETRY STA 185-215
SHEET 10	BEACH LAYOUT & BATHYMETRY STA 215-239
SHEET 11	BEACH - CROSS SECTIONS
SHEET 12	BEACH - CROSS SECTIONS
SHEET 13	BEACH - CROSS SECTIONS
SHEET 14	TOPSAIL CREEK - CONTROL
SHEET 15	TOPSAIL CREEK - BATHYMETRY
SHEET 16	TOPSAIL CREEK - CROSS SECTIONS
SHEET 17	INTERIOR CHANNELS - CONTROL
SHEET 18	INTERIOR CHANNELS - BATHYMETRY
SHEET 19	TOPSAIL INLET - CONTROL
SHEET 20	TOPSAIL INLET - BATHYMETRY
SHEET 21	CUT THROUGH - CROSS SECTIONS
SHEET 22	BANKS CONNECTOR - CROSS SECTIONS
SHEET 23	BANKS CONNECTOR - CROSS SECTIONS
SHEET 24	TOPSAIL INLET - CROSS SECTIONS
SHEET 25	TOPSAIL INLET - CROSS SECTIONS



TI Coastal, PLLC, COL #P-1246
387 N. Green Meadows Drive
Wilmington, NC 28405
Tel: 910.821.1358



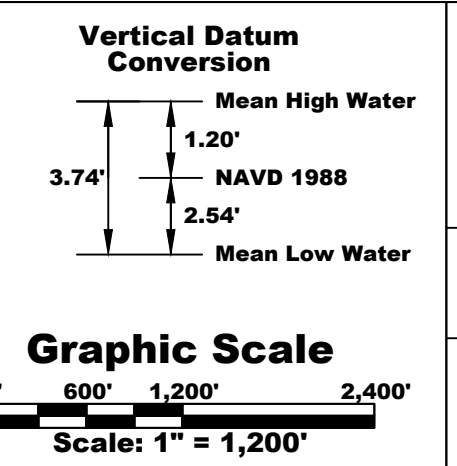
Topsail Creek								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
TC-1	2,400,467.12	224,628.56	TC-R1	2,400,434.93	224,597.12	TC-L1	2,400,499.32	224,660.01
TC-2	2,400,798.74	224,289.04	TC-R2	2,400,773.42	224,250.56	TC-L2	2,400,824.06	224,327.52
TC-3	2,400,994.85	224,213.71	TC-R3	2,400,985.93	224,168.93	TC-L3	2,401,003.77	224,258.49
TC-4	2,401,173.94	224,208.95	TC-R4	2,401,182.48	224,163.71	TC-L4	2,401,165.40	224,254.19
TC-5	2,401,525.33	224,357.41	TC-R5	2,401,534.77	224,312.55	TC-L5	2,401,515.89	224,402.27
TC-6	2,402,043.86	224,365.14	TC-R6	2,402,029.75	224,319.92	TC-L6	2,402,057.97	224,410.36
TC-7	2,402,266.40	224,206.31	TC-R7	2,402,224.13	224,181.20	TC-L7	2,402,308.67	224,231.42
TC-8	2,402,284.30	224,059.29	TC-R8	2,402,238.18	224,065.75	TC-L8	2,402,330.42	224,052.83
TC-9	2,401,873.24	223,085.39	TC-R9	2,401,827.59	223,092.96	TC-L9	2,401,918.89	223,077.82
TC-10	2,401,893.79	222,796.07	TC-R10	2,401,849.53	222,784.04	TC-L10	2,401,938.05	222,808.10
TC-11	2,402,059.80	222,460.89	TC-R11	2,402,027.02	222,425.69	TC-L11	2,402,092.58	222,496.09
TC-12	2,402,252.68	222,381.84	TC-R12	2,402,230.69	222,309.80	TC-L12	2,402,274.67	222,453.88
TC-13	2,403,485.87	222,127.30	TC-R13	2,403,437.46	222,060.71	TC-L13	2,403,534.28	222,193.89
TC-14	2,403,734.09	221,690.94	TC-R14	2,403,651.96	221,683.64	TC-L14	2,403,816.22	221,698.24
TC-15	2,403,595.24	221,298.24	TC-R15	2,403,531.83	221,343.89	TC-L15	2,403,658.65	221,252.59
TC-16	2,401,677.06	219,973.77	TC-R16	2,401,625.16	220,029.09	TC-L16	2,401,727.48	219,916.57

New Topsail Inlet								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
NTI-1	2,401,677.06	219,973.77	TI-R1	2,401,625.16	220,029.09	TI-L1	2,401,735.97	219,927.36
NTI-2	2,401,363.85	219,576.22	TI-R2	2,401,294.07	219,608.84	TI-L2	2,401,433.63	219,543.60
NTI-3	2,401,237.28	218,974.33	TI-R3	2,401,161.30	218,977.47	TI-L3	2,401,313.26	218,971.1865
NTI-4	2,401,301.47	218,461.91	TI-R4	2,401,227.88	218,445.96	TI-L4	2,401,375.06	218,477.86
NTI-5	2,401,398.88	218,149.56	TI-R5	2,401,334.34	218,104.62	TI-L5	2,401,463.43	218,194.51
NTI-6	2,401,550.83	218,032.46	TI-R6	2,401,520.67	217,961.01	TI-L6	2,401,580.99	218,103.91
NTI-7	2,401,792.27	217,997.88	TI-R7	2,401,803.93	217,920.44	TI-L7	2,401,780.61	218,075.31
NTI-8	2,402,171.04	218,176.73	TI-R8	2,402,201.53	218,108.19	TI-L8	2,402,140.54	218,245.27
NTI-9	2,402,452.01	218,294.21	TI-R9	2,402,480.94	218,225.02	TI-L9	2,402,423.08	218,363.41
NTI-10	2,402,738.83	218,346.35	TI-R10	2,403,033.31	217,822.15	TI-L10	2,403,022.76	218,472.42
NTI-11	2,406,537.78	215,312.99	TI-R11	2,406,380.70	215,118.50	TI-L11	2,403,311.58	218,240.12
			TI-R12	2,406,694.87	215,507.47	TI-L12	2,406,694.87	215,507.47

Banks Connector Channel								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
BCC-1	2,405,340.36	220,907.85	BCC-R1	2,405,296.31	220,998.06	BCC-L1	2,405,384.41	220,817.64
BCC-2	2,404,997.31	220,776.54	BCC-R2	2,404,952.16	220,866.33	BCC-L2	2,405,042.46	220,686.75
BCC-3	2,403,708.75	219,957.45	BCC-R3	2,403,645.37	220,035.65	BCC-L3	2,403,957.44	219,997.04
BCC-4	2,403,431.83	219,674.62	BCC-R4	2,403,333.23	219,807.61	BCC-L4	2,403,553.74	219,584.73
BCC-5	2,403,340.07	219,504.98	BCC-R5	2,403,205.77	219,571.98	BCC-L5	2,403,474.36	219,437.97
BCC-6	2,403,210.21	219,221.65	BCC-R6	2,403,061.83	219,257.92	BCC-L6	2,403,358.59	219,185.38
BCC-7	2,403,151.61	218,043.44	BCC-R7	2,403,022.76	218,472.42	BCC-L7	2,403,311.58	218,240.12

Cut Through								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
CT-1	2,402,569.01	220,659.80	CT-R1	2,402,190.00	220,236.56	CT-L1	2,402,402.81	220,383.78
CT-2	2,402,403.89	220,510.42	CT-R2	2,402,189.58	220,197.09	CT-L2	2,402,375.96	220,347.90
CT-3	2,402,312.34	220,387.62	CT-R3	2,402,219.35	219,917.12	CT-L3	2,402,340.69	220,291.40
CT-4	2,402,265.88	220,313.20	CT-R4	2,402,413.71	219,516.55	CT-L4	2,402,340.20	220,208.58
CT-5	2,402,264.89	220,202.83	CT-R5	2,402,706.18	219,302.83	CT-L5	2,402,357.55	220,120.67
CT-6	2,402,314.95	219,949.15	CT-R6	2,403,056.52	219,151.25	CT-L6	2,402,410.56	219,981.18
CT-7	2,402,492.81	219,582.60				CT-L7	2,402,571.91	219,648.66
CT-8	2,402,756.15	219,390.16				CT-L8	2,402,806.11	219,477.50
CT-9	2,403,208.85	219,194.31				CT-L9	2,403,103.50	219,348.84

Topsail Beach Baseline					
Point	Easting	Northing	Point	Easting	Northing
TB-1	2,407,485.19	220,344.76	TB-15	2,415,959.15	229,163.90
TB-2	2,407,806.82	220,693.41	TB-16	2,416,657.90	229,880.33
TB-3	2,408,229.76	221,151.88	TB-17	2,417,364.06	230,586.85
TB-4	2,408,976.05	221,934.72	TB-18	2,418,087.10	231,287.17
TB-5	2,409,687.06	222,692.96	TB-19	2,418,810.85	231,958.08
TB-6	2,410,397.72	223,425.54	TB-20	2,419,528.24	232,659.19
TB-7	2,411,085.27	224,151.27	TB-21	2,420,248.29	233,352.92
TB-8	2,411,782.30	224,872.08	TB-22	2,420,979.90	234,035.12
TB-9	2,412,488.27	225,571.19	TB-23	2,421,713.16	234,786.92
TB-10	2,413,191.65	226,292.20	TB-24	2,422,400.44	235,533.82
TB-11	2,413,810.73	226,917.44	TB-25	2,423,192.42	236,286.02
TB-12	2,414,469.39	227,577.63	TB-26	2,424,180.57	237,037.11
TB-13	2,415,157.46	228,271.24	TB-27	2,424,503.98	237,729.22
TB-14	2,415,260.35	228,442.99			



TOWN OF TOPSAIL BEACH

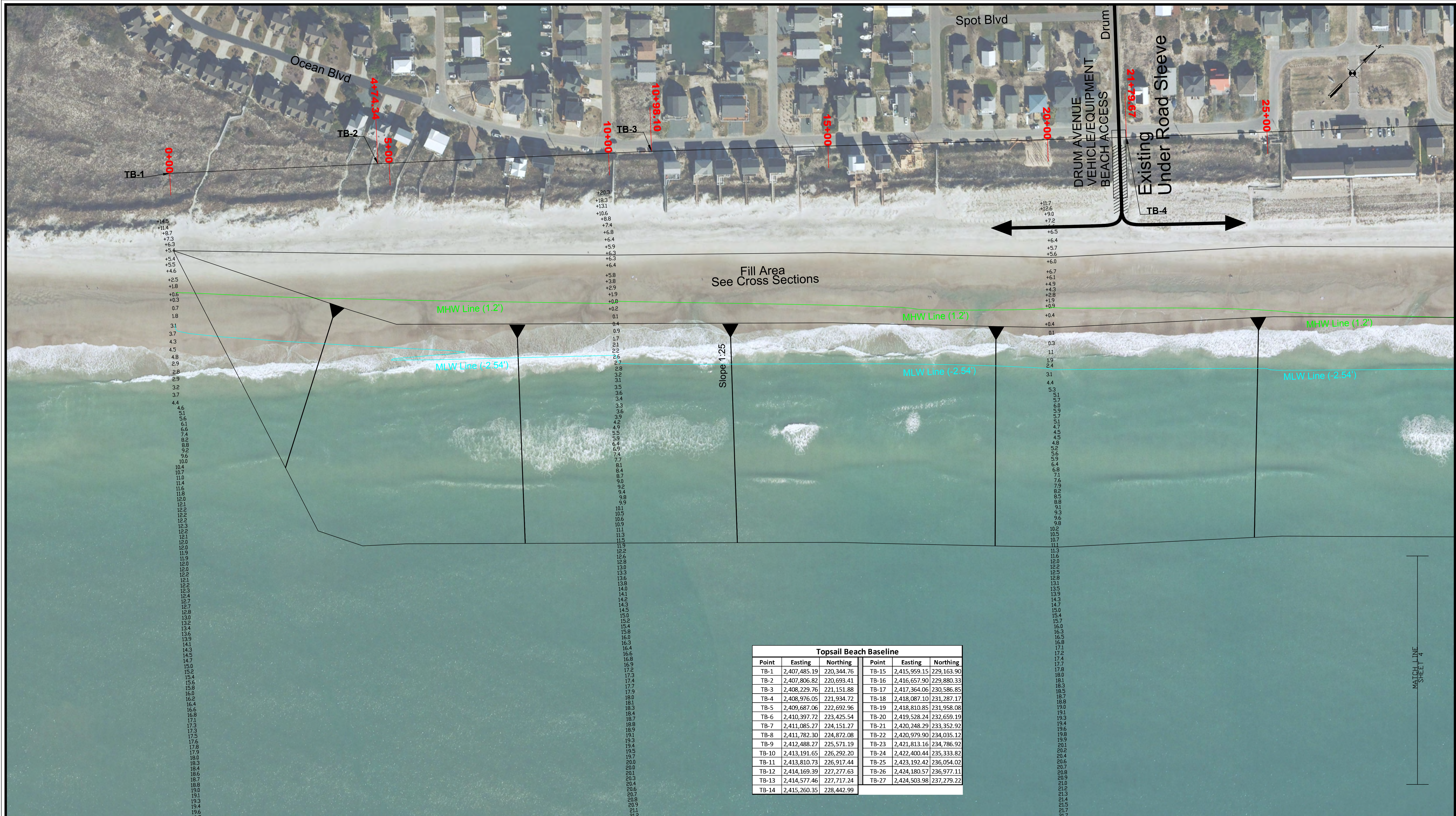
2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

Beach, Inlet, & Sound Maintenance Project

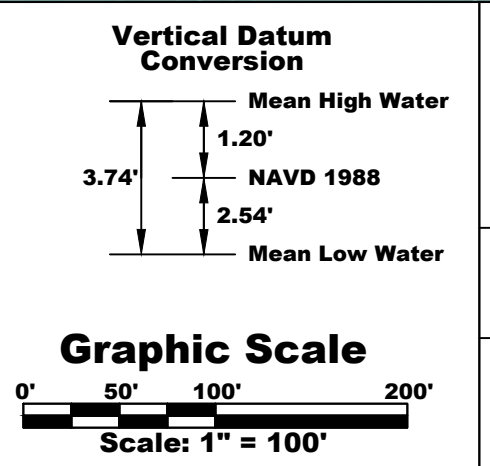
Project Layout and Control

Notes:
 1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024 SURVEY DATE: February 2024
 Christian L. Gibson, P.E. No. 026273 SCALE: 1" = 1,200' SHEET: 2 OF 25



Topsail Beach Baseline					
Point	Easting	Northing	Point	Easting	Northing
TB-1	2,407,485.19	220,344.76	TB-15	2,415,959.15	229,163.90
TB-2	2,407,806.82	220,693.41	TB-16	2,416,657.90	229,880.33
TB-3	2,408,229.76	221,151.88	TB-17	2,417,364.06	230,586.85
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TB-8	2,411,782.30	224,872.08	TB-22	2,420,979.90	234,035.12
TB-9	2,412,488.27	225,571.19	TB-23	2,421,813.16	234,786.92
TB-10	2,413,191.65	226,292.20	TB-24	2,422,400.44	235,333.82
TB-11	2,413,810.73	226,917.44	TB-25	2,423,192.42	236,054.02
TB-12	2,414,169.39	227,277.63	TB-26	2,424,180.57	236,977.11
TB-13	2,414,577.46	227,717.24	TB-27	2,424,503.98	237,279.22
TB-14	2,415,260.35	228,442.99			



TOWN OF TOPSAIL BEACH
2023/2024 BEACH NOURISHMENT PROJECT
 Pender County, NC

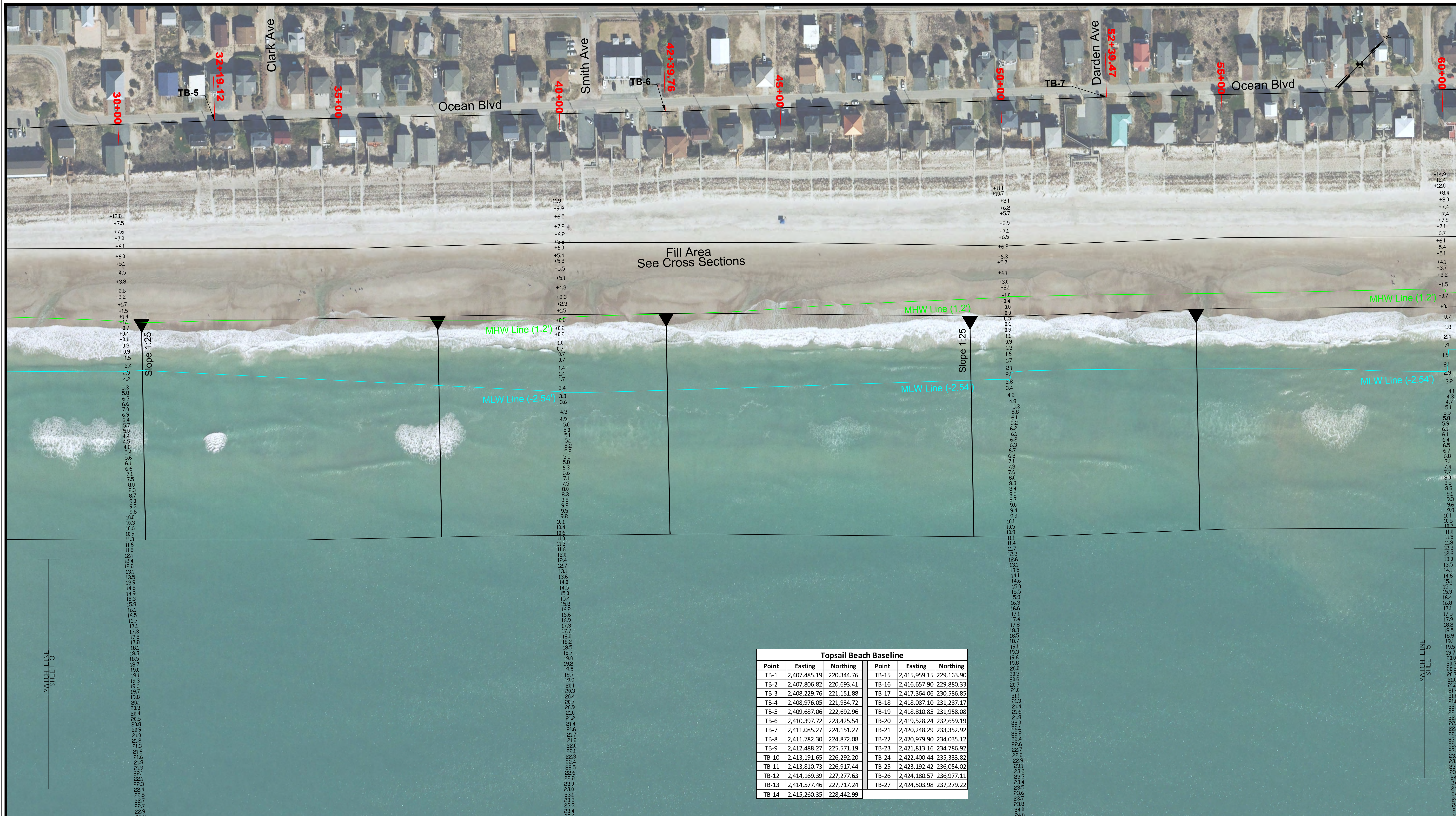
Beach, Inlet, & Sound Maintenance Project

Plan View - Beach Template and Bathymetry

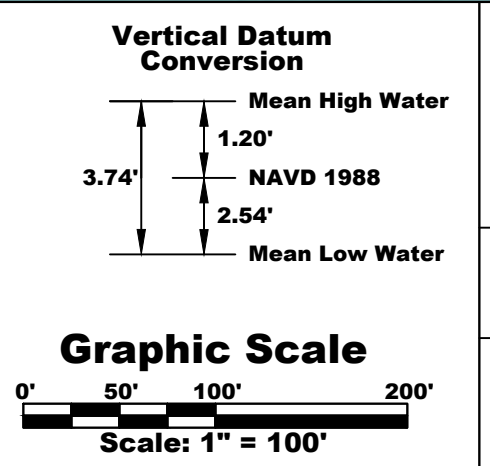
Notes:
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 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
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 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024
 SURVEY DATE: February 2024
 SCALE: 1" = 100'
 SHEET: 3 OF 25

Christian L. Gibson, P.E. No. 026273



Topsail Beach Baseline					
Point	Easting	Northing	Point	Easting	Northing
TB-1	2,407,485.19	220,344.76	TB-15	2,415,959.15	229,163.90
TB-2	2,407,806.82	220,693.41	TB-16	2,416,657.90	229,880.33
TB-3	2,408,229.76	221,151.88	TB-17	2,417,364.06	230,586.85
TB-4	2,408,976.05	221,934.72	TB-18	2,418,087.10	231,287.17
TB-5	2,409,687.06	222,692.96	TB-19	2,418,810.85	231,958.08
TB-6	2,410,397.72	223,425.54	TB-20	2,419,528.24	232,659.19
TB-7	2,411,085.27	224,151.27	TB-21	2,420,248.29	233,352.92
TB-8	2,411,782.30	224,872.08	TB-22	2,420,979.90	234,035.12
TB-9	2,412,488.27	225,571.19	TB-23	2,421,813.16	234,786.92
TB-10	2,413,191.65	226,292.20	TB-24	2,422,400.44	235,333.82
TB-11	2,413,810.73	226,917.44	TB-25	2,423,192.42	236,054.02
TB-12	2,414,169.39	227,277.63	TB-26	2,424,180.57	236,977.11
TB-13	2,414,577.46	227,717.24	TB-27	2,424,503.98	237,279.22
TB-14	2,415,260.35	228,442.99			



TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

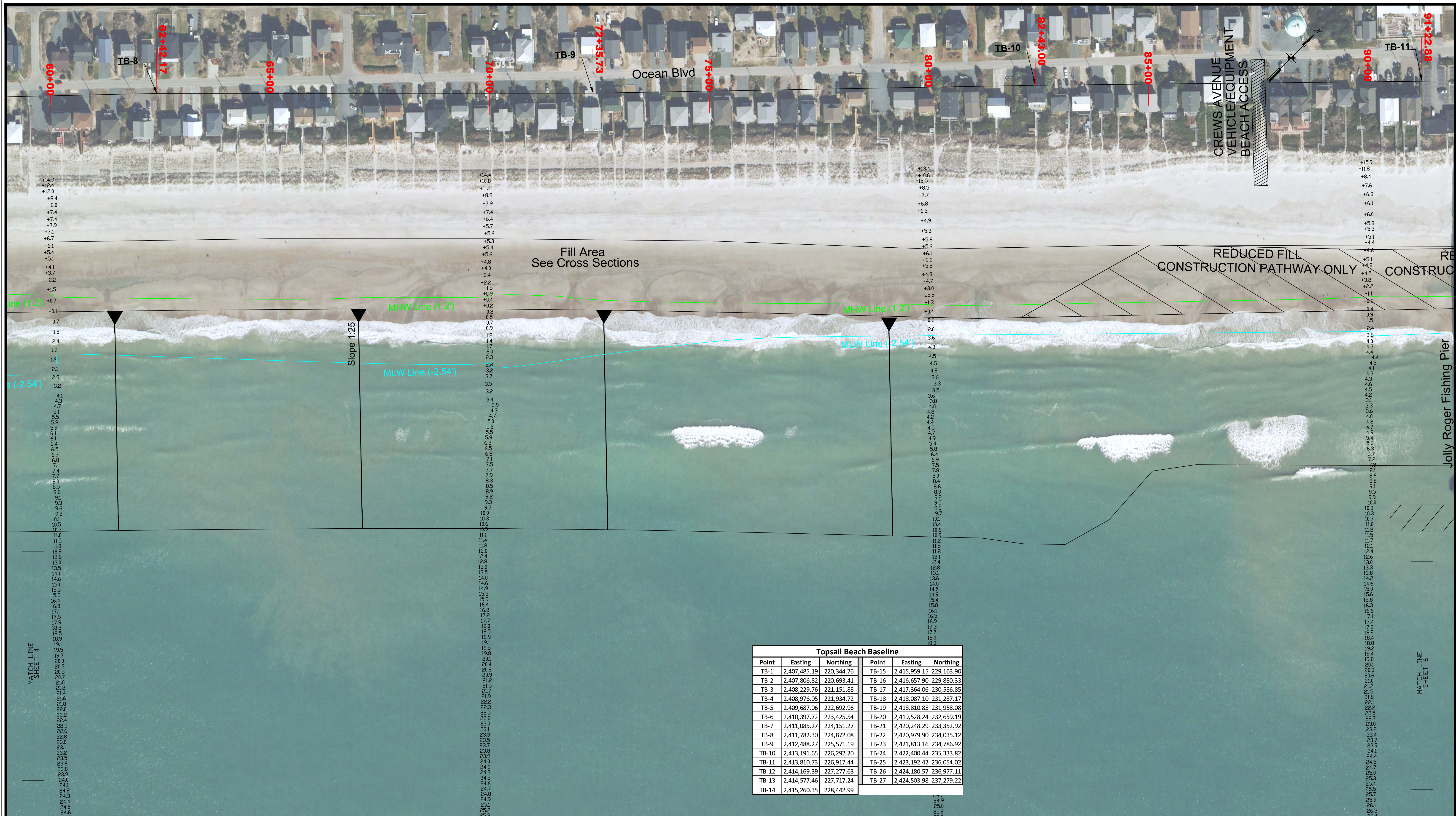
Beach, Inlet, & Sound Maintenance Project

Plan View - Beach Template and Bathymetry

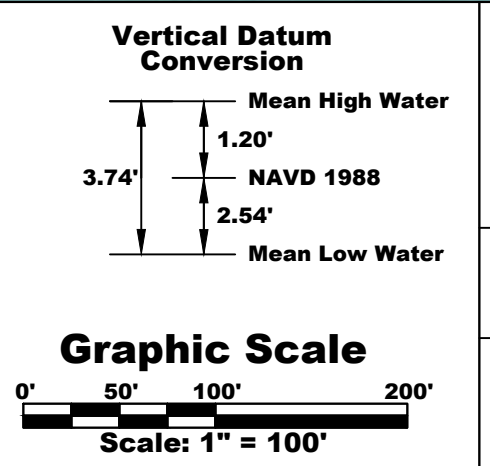
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 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024
 SURVEY DATE: February 2024
 SCALE: 1" = 100'
 SHEET: 4 OF 25

Christian L. Gibson, P.E. No. 026273



Topsail Beach Baseline					
Point	Easting	Northing	Point	Easting	Northing
TB-1	2,407,485.19	220,344.76	TB-15	2,415,959.15	229,163.90
TB-2	2,407,806.82	220,693.41	TB-16	2,416,657.90	229,880.33
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TB-9	2,412,488.27	225,571.19	TB-23	2,421,813.16	234,786.92
TB-10	2,413,191.65	226,292.20	TB-24	2,422,400.44	235,333.82
TB-11	2,413,810.73	226,917.44	TB-25	2,423,192.42	236,054.02
TB-12	2,414,169.39	227,277.63	TB-26	2,424,180.57	236,977.11
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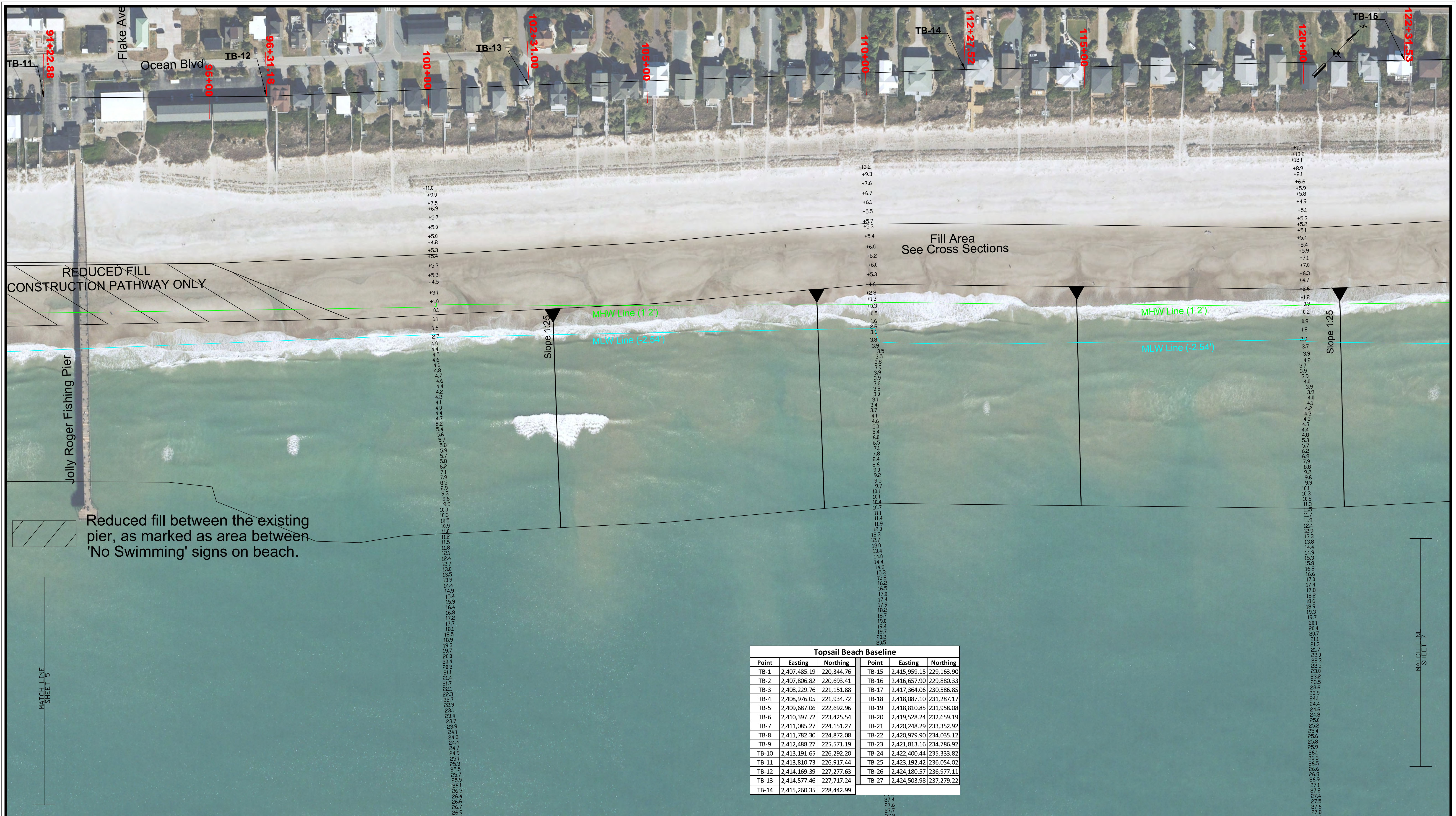
Plan View - Beach Template and Bathymetry

Notes:

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 SCALE: 1" = 100'
 SHEET: 5 OF 28

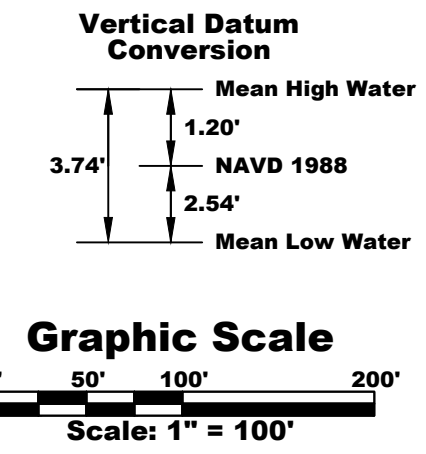
Christian L. Gibson, P.E. No. 026273



Reduced fill between the existing pier, as marked as area between 'No Swimming' signs on beach.

Fill Area
See Cross Sections

Topsail Beach Baseline					
Point	Easting	Northing	Point	Easting	Northing
TB-1	2,407,485.19	220,344.76	TB-15	2,415,959.15	229,163.90
TB-2	2,407,806.82	220,693.41	TB-16	2,416,657.90	229,880.33
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TB-12	2,414,169.39	227,277.63	TB-26	2,424,180.57	236,977.11
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Pender County, NC

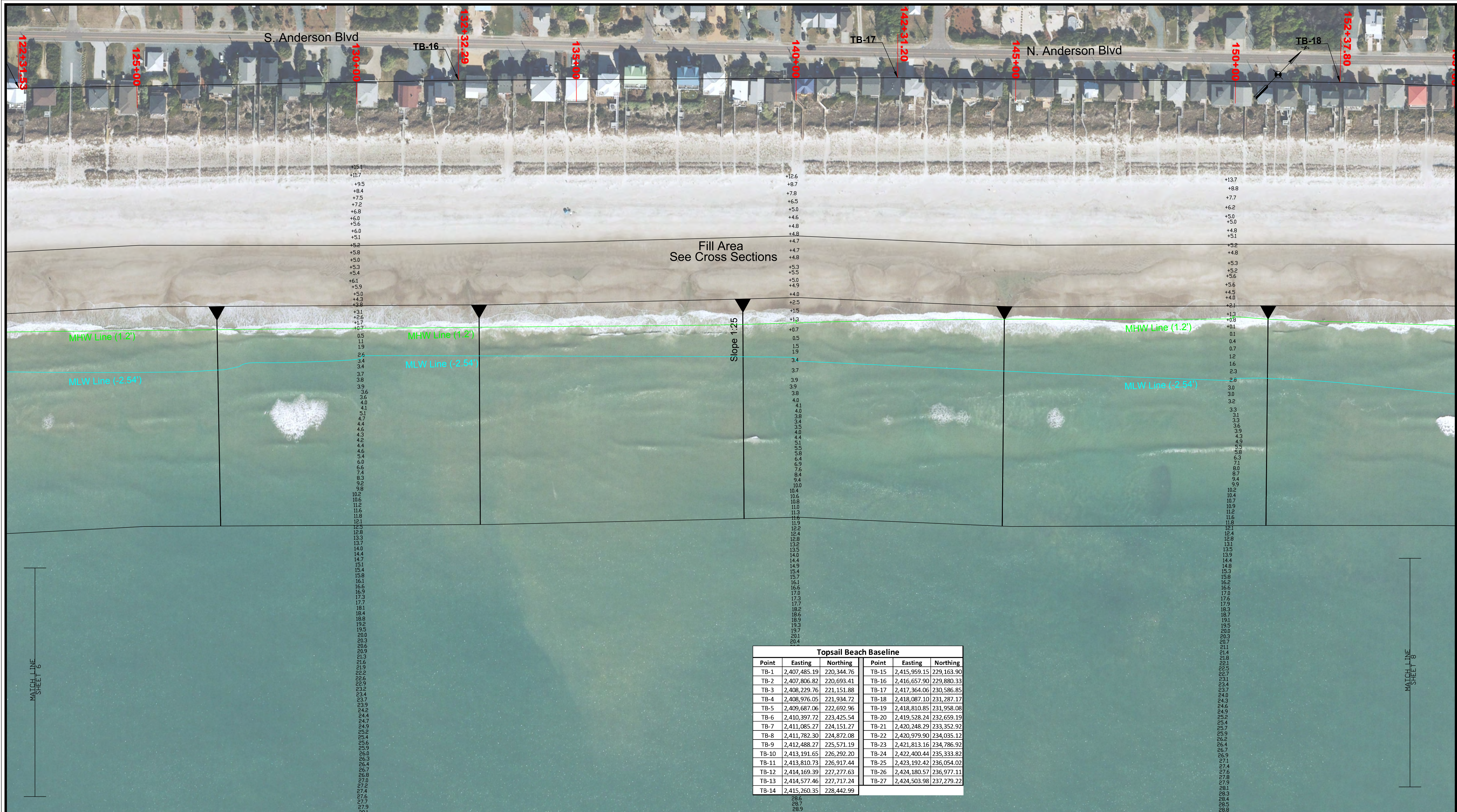
Beach, Inlet, & Sound Maintenance Project

Plan View - Beach Template and Bathymetry

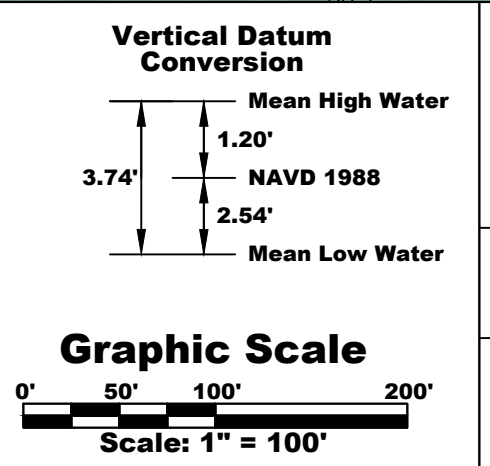
Notes:
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DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024 SURVEY DATE: February 2024
 SCALE: 1" = 100' SHEET: 6 OF 25

Christian L. Gibson, P.E. No. 026273



Topsail Beach Baseline					
Point	Easting	Northing	Point	Easting	Northing
TB-1	2,407,485.19	220,344.76	TB-15	2,415,959.15	229,163.90
TB-2	2,407,806.82	220,693.41	TB-16	2,416,657.90	229,880.33
TB-3	2,408,229.76	221,151.88	TB-17	2,417,364.06	230,586.85
TB-4	2,408,976.05	221,934.72	TB-18	2,418,087.10	231,287.17
TB-5	2,409,687.06	222,692.96	TB-19	2,418,810.85	231,958.08
TB-6	2,410,397.72	223,425.54	TB-20	2,419,528.24	232,659.19
TB-7	2,411,085.27	224,151.27	TB-21	2,420,248.29	233,352.92
TB-8	2,411,782.30	224,872.08	TB-22	2,420,979.90	234,035.12
TB-9	2,412,488.27	225,571.19	TB-23	2,421,813.16	234,786.92
TB-10	2,413,191.65	226,292.20	TB-24	2,422,400.44	235,333.82
TB-11	2,413,810.73	226,917.44	TB-25	2,423,192.42	236,054.02
TB-12	2,414,169.39	227,277.63	TB-26	2,424,180.57	236,977.11
TB-13	2,414,577.46	227,717.24	TB-27	2,424,503.98	237,279.22
TB-14	2,415,260.35	228,442.99			



TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

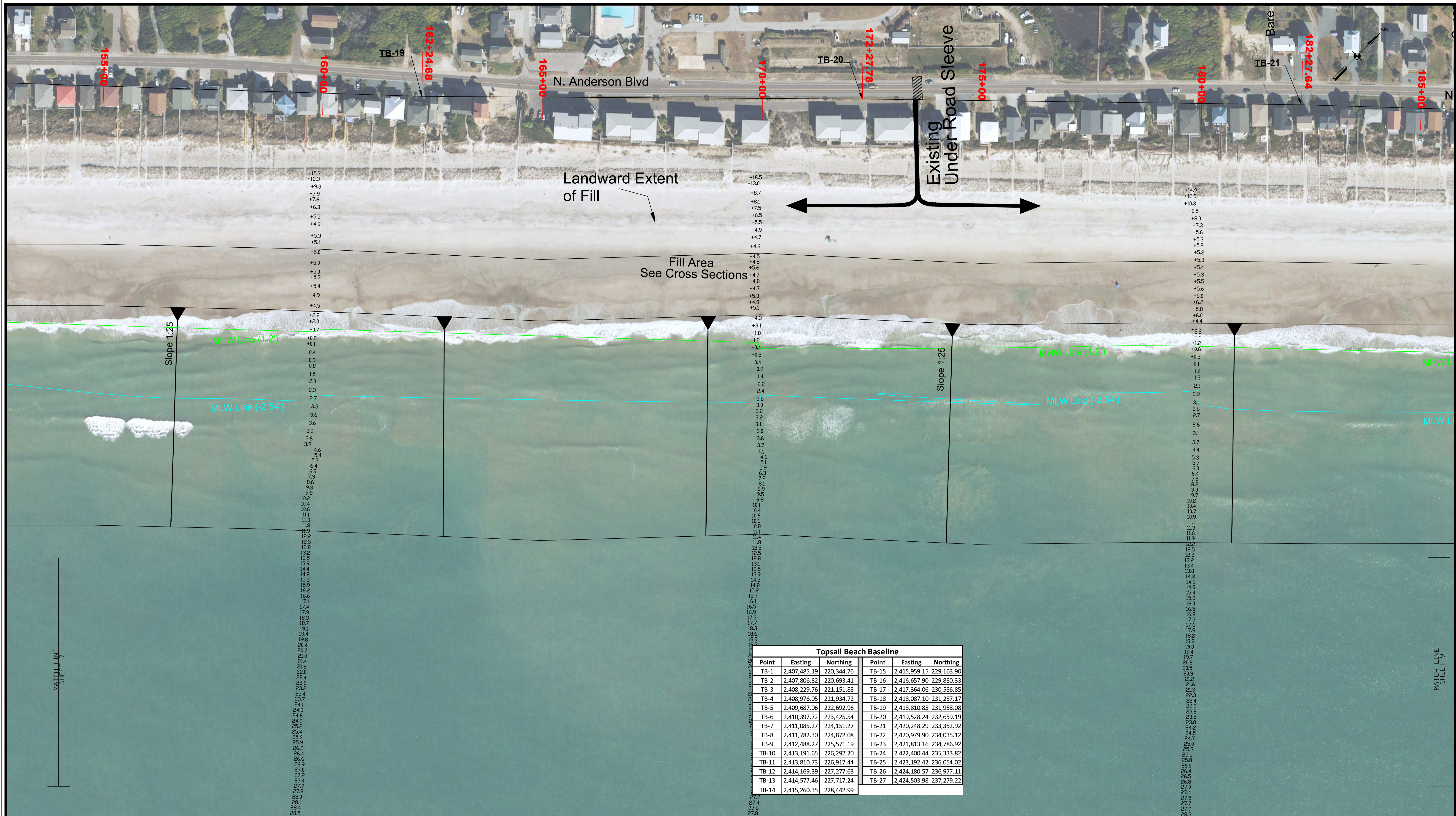
Beach, Inlet, & Sound Maintenance Project

Plan View - Beach Template and Bathymetry

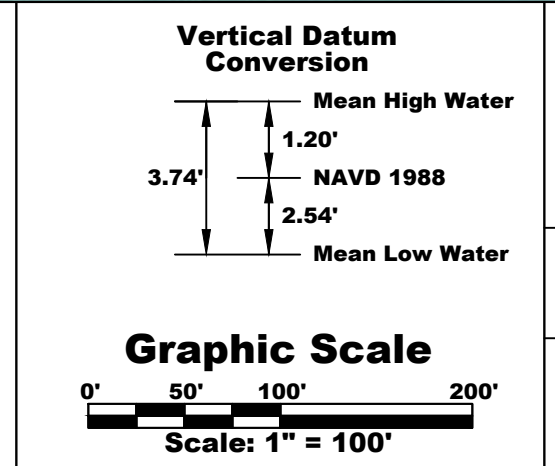
Notes:
 1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024
 SURVEY DATE: February 2024
 SCALE: 1" = 100'
 SHEET: 7 OF 25

Christian L. Gibson, P.E. No. 026273



Topsail Beach Baseline					
Point	Easting	Northing	Point	Easting	Northing
TB-1	2,407,485.19	220,344.76	TB-15	2,415,959.15	229,163.90
TB-2	2,407,806.82	220,693.41	TB-16	2,416,657.90	229,880.33
TB-3	2,408,229.76	221,151.88	TB-17	2,417,364.06	230,586.85
TB-4	2,408,976.05	221,934.72	TB-18	2,418,087.10	231,287.17
TB-5	2,409,687.06	222,692.96	TB-19	2,418,810.85	231,958.08
TB-6	2,410,397.72	223,425.54	TB-20	2,419,528.24	232,659.19
TB-7	2,411,085.27	224,151.27	TB-21	2,420,248.29	233,352.92
TB-8	2,411,782.30	224,872.08	TB-22	2,420,979.90	234,035.12
TB-9	2,412,488.27	225,571.19	TB-23	2,421,813.16	234,786.92
TB-10	2,413,191.65	226,292.20	TB-24	2,422,400.44	235,333.82
TB-11	2,413,810.73	226,917.44	TB-25	2,423,192.42	236,054.02
TB-12	2,414,169.39	227,277.63	TB-26	2,424,180.57	236,977.11
TB-13	2,414,577.46	227,717.24	TB-27	2,424,503.98	237,279.22
TB-14	2,415,260.35	228,442.99			



TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

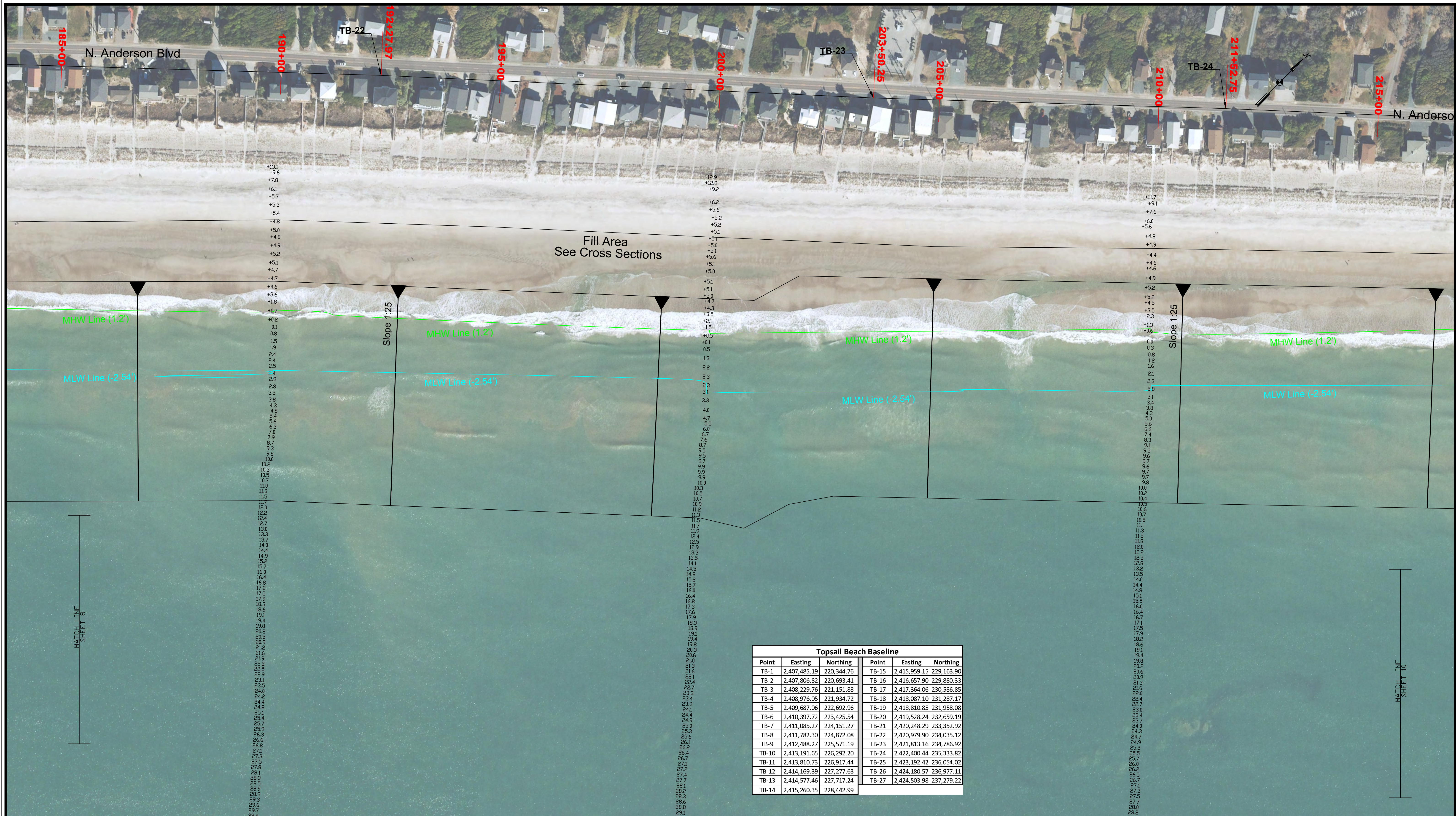
Beach, Inlet, & Sound Maintenance Project

Plan View - Beach Template and Bathymetry

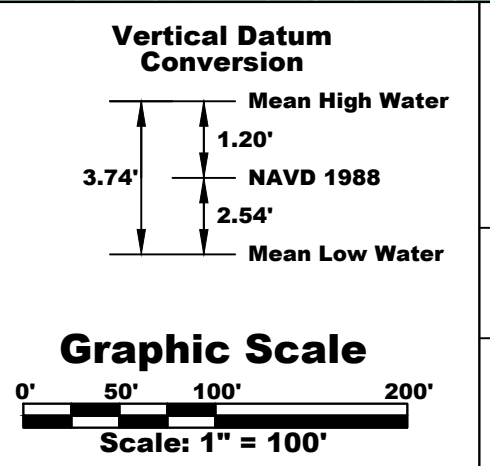
Notes:
 1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg	
DWG DATE: March 4, 2024	SURVEY DATE: February 2024
SCALE: 1" = 100'	SHEET: 8 OF 25

Christian L. Gibson, P.E. No. 026273



Topsail Beach Baseline					
Point	Easting	Northing	Point	Easting	Northing
TB-1	2,407,485.19	220,344.76	TB-15	2,415,959.15	229,163.90
TB-2	2,407,806.82	220,693.41	TB-16	2,416,657.90	229,880.33
TB-3	2,408,229.76	221,151.88	TB-17	2,417,364.06	230,586.85
TB-4	2,408,976.05	221,934.72	TB-18	2,418,087.10	231,287.17
TB-5	2,409,687.06	222,692.96	TB-19	2,418,810.85	231,958.08
TB-6	2,410,397.72	223,425.54	TB-20	2,419,528.24	232,659.19
TB-7	2,411,085.27	224,151.27	TB-21	2,420,248.29	233,352.92
TB-8	2,411,782.30	224,872.08	TB-22	2,420,979.90	234,035.12
TB-9	2,412,488.27	225,571.19	TB-23	2,421,813.16	234,786.92
TB-10	2,413,191.65	226,292.20	TB-24	2,422,400.44	235,333.82
TB-11	2,413,810.73	226,917.44	TB-25	2,423,192.42	236,054.02
TB-12	2,414,169.39	227,277.63	TB-26	2,424,180.57	236,977.11
TB-13	2,414,577.46	227,717.24	TB-27	2,424,503.98	237,279.22
TB-14	2,415,260.35	228,442.99			



TOWN OF TOPSAIL BEACH
2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

Beach, Inlet, & Sound Maintenance Project

Plan View - Beach Template and Bathymetry

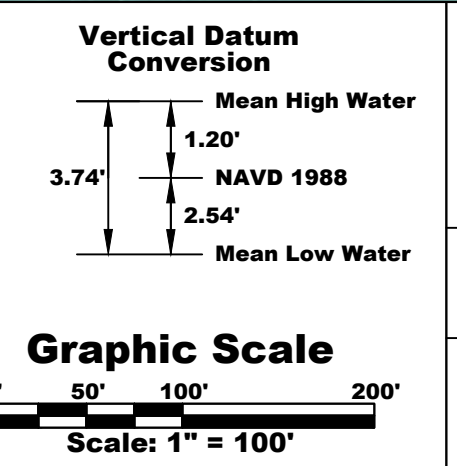
Notes:
 1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024
 SURVEY DATE: February 2024
 SCALE: 1" = 100'
 SHEET: 9 OF 25

Christian L. Gibson, P.E. No. 026273



Topsail Beach Baseline					
Point	Easting	Northing	Point	Easting	Northing
TB-1	2,407,485.19	220,344.76	TB-15	2,415,959.15	229,163.90
TB-2	2,407,806.82	220,693.41	TB-16	2,416,657.90	229,880.33
TB-3	2,408,229.76	221,151.88	TB-17	2,417,364.06	230,586.85
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TB-9	2,412,488.27	225,571.19	TB-23	2,421,813.16	234,786.92
TB-10	2,413,191.65	226,292.20	TB-24	2,422,400.44	235,333.82
TB-11	2,413,810.73	226,917.44	TB-25	2,423,192.42	236,054.02
TB-12	2,414,169.39	227,277.63	TB-26	2,424,180.57	236,977.11
TB-13	2,414,577.46	227,717.24	TB-27	2,424,503.98	237,279.22
TB-14	2,415,260.35	228,442.99			



TOWN OF TOPSAIL BEACH
 2023/2024 BEACH NOURISHMENT PROJECT
 Pender County, NC

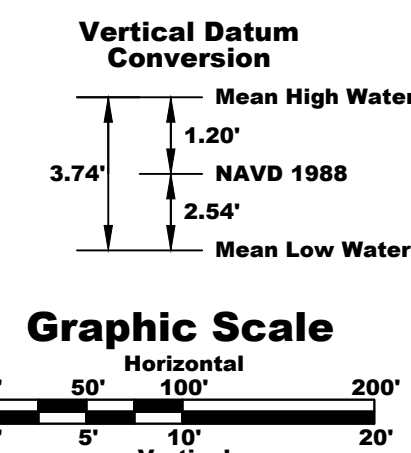
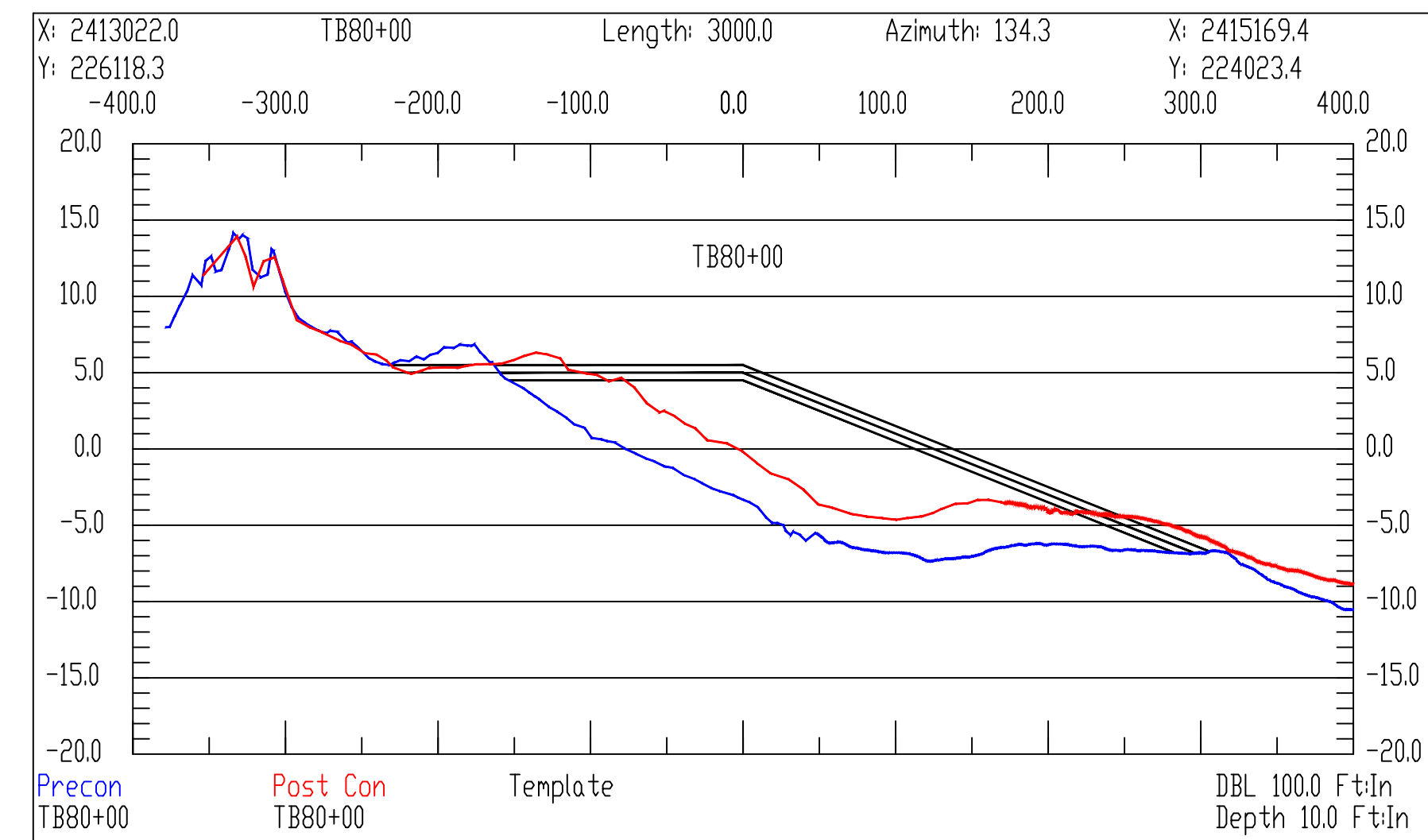
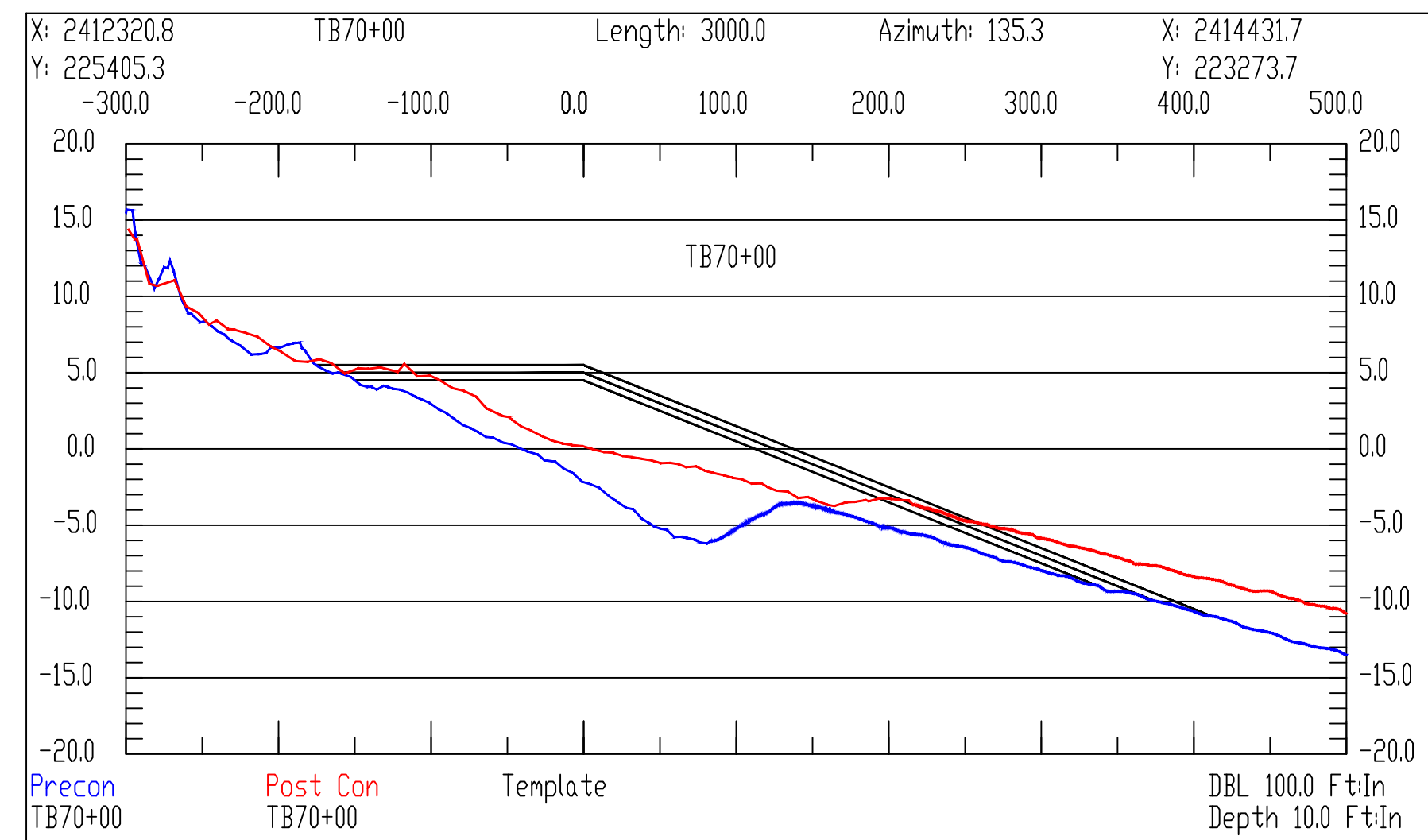
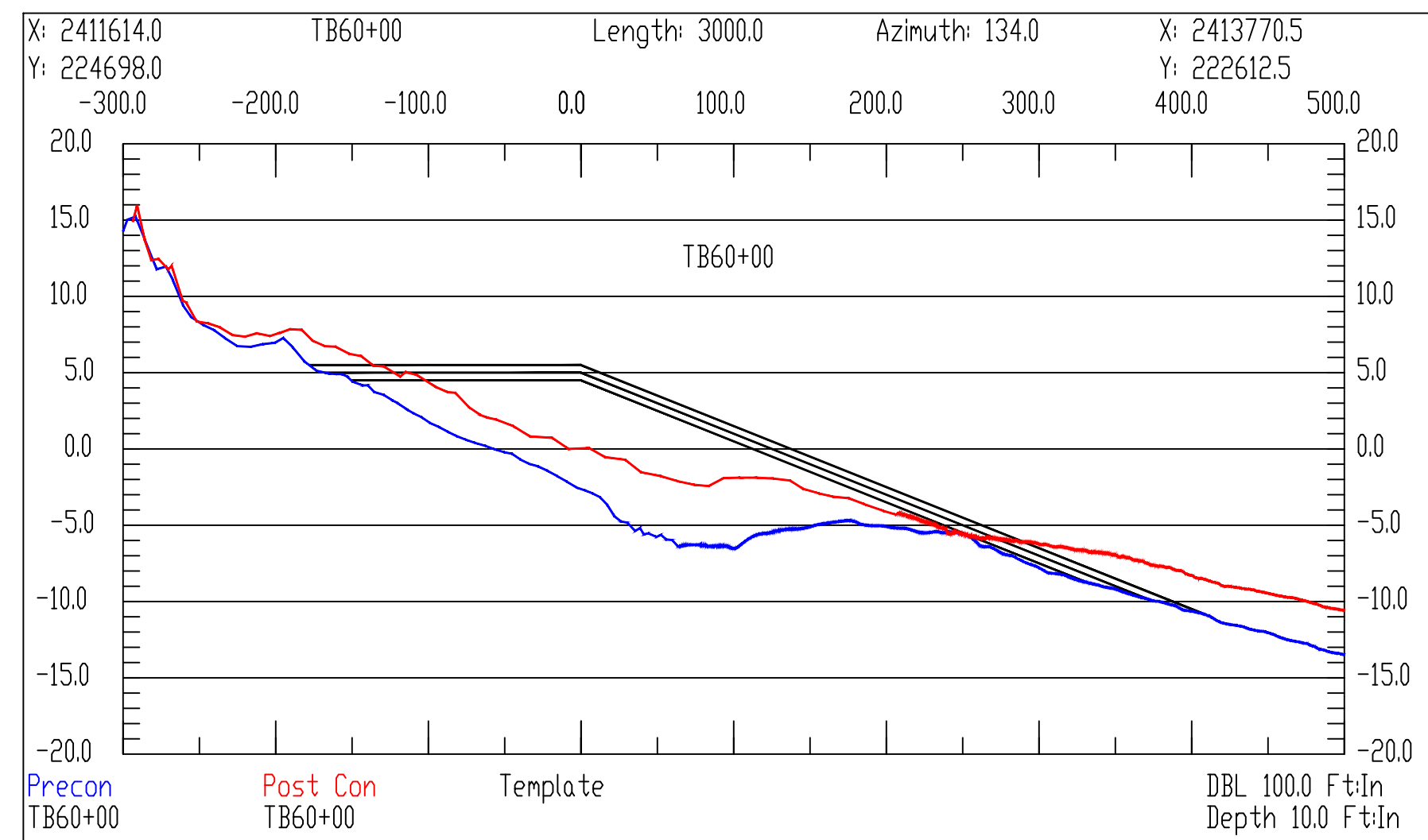
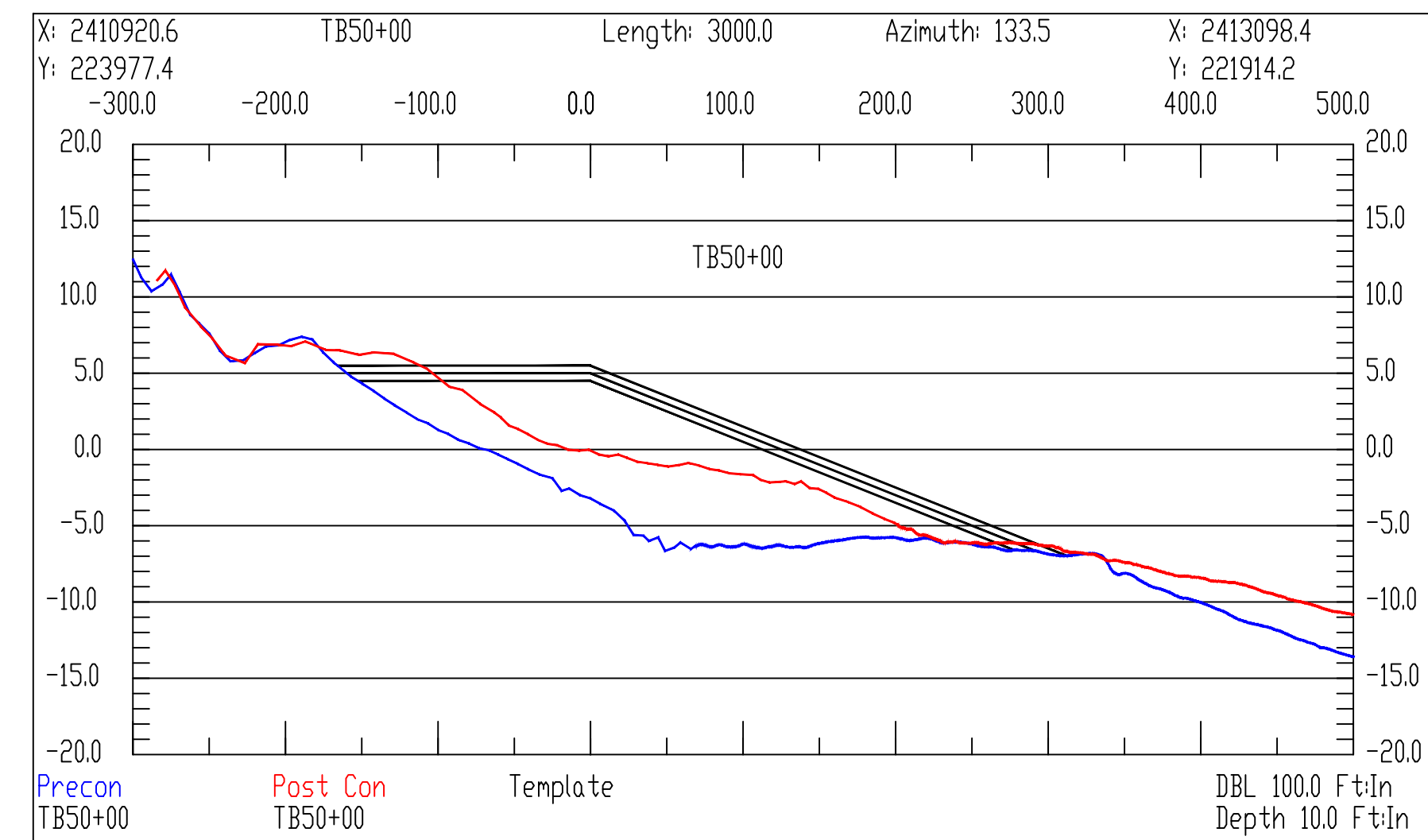
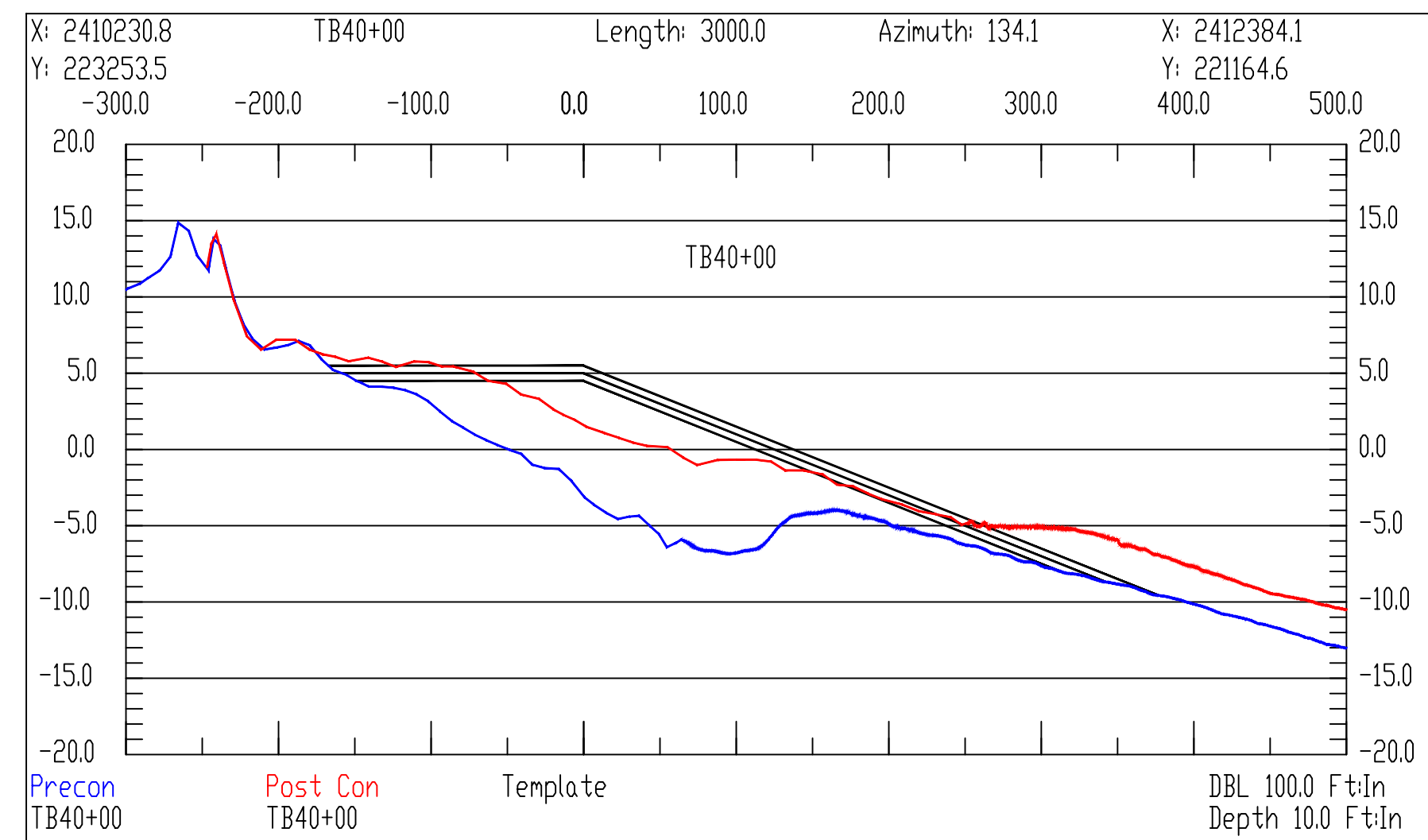
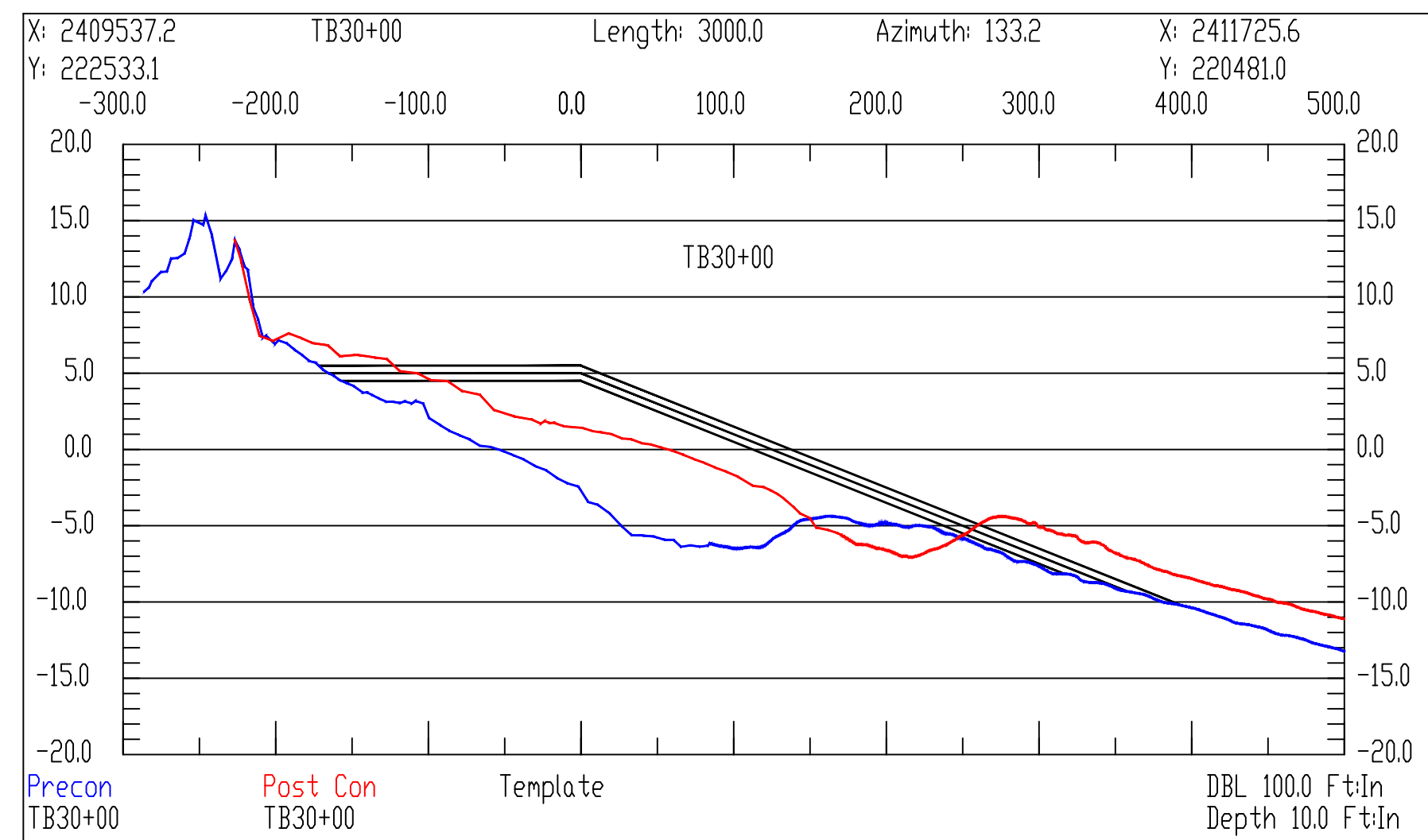
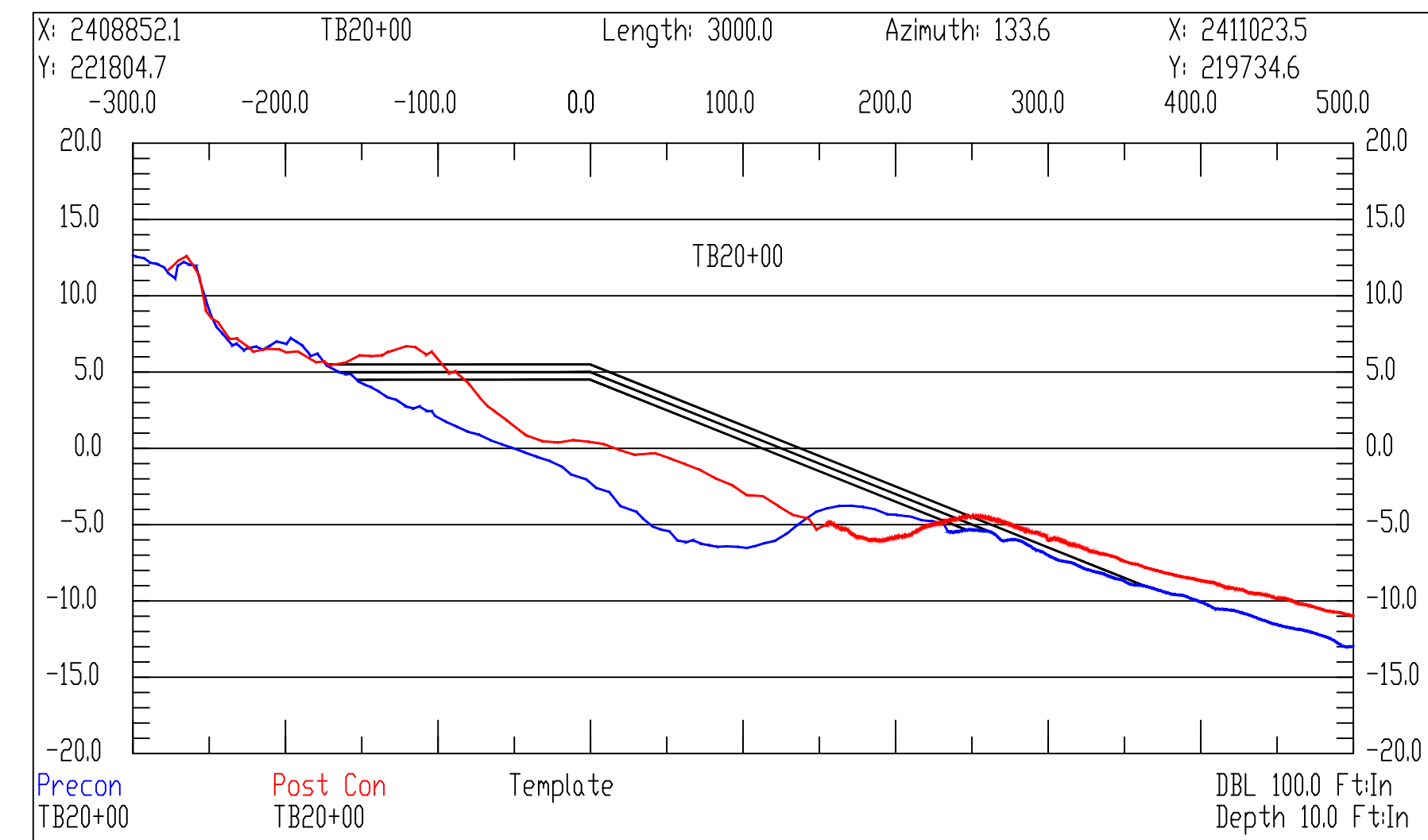
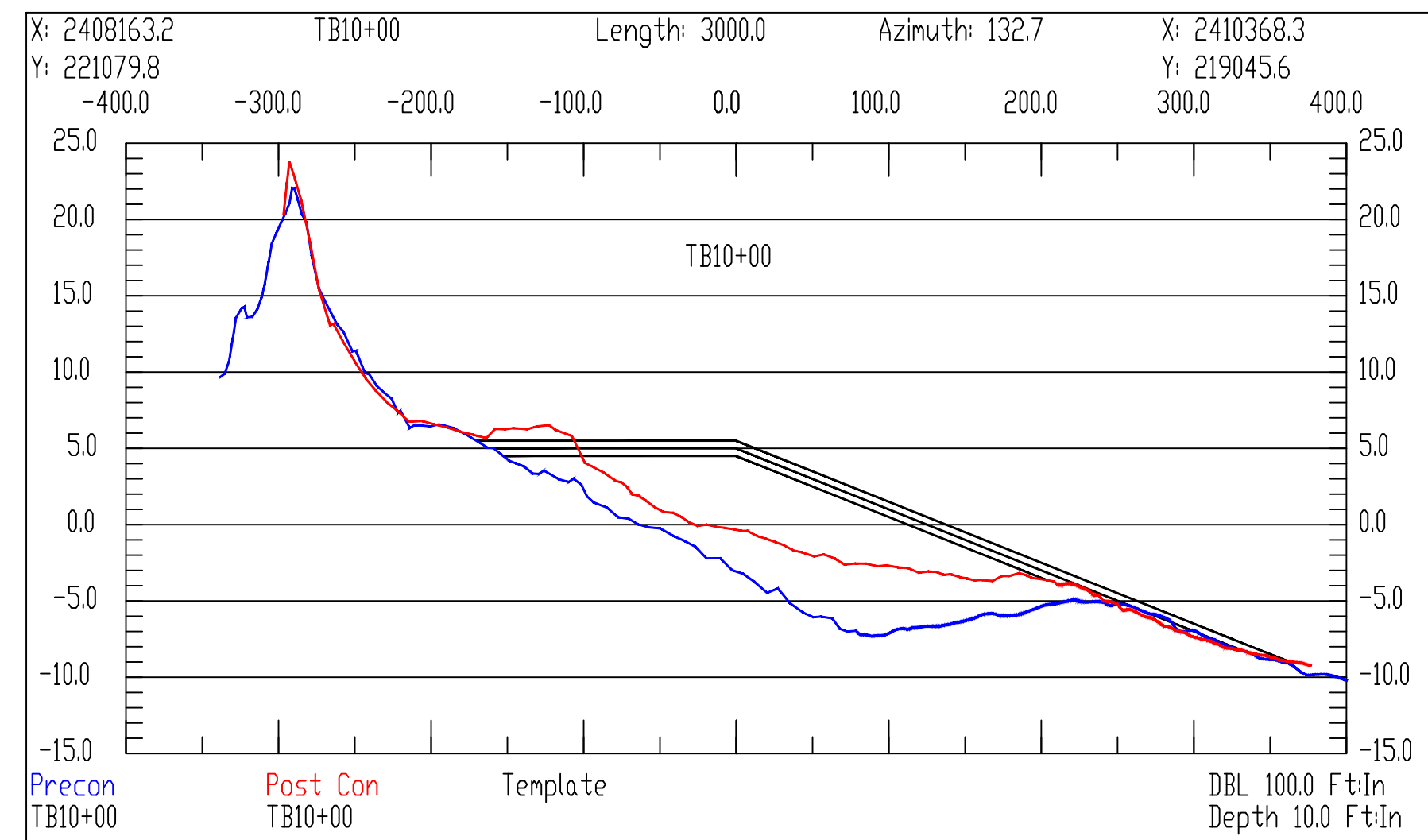
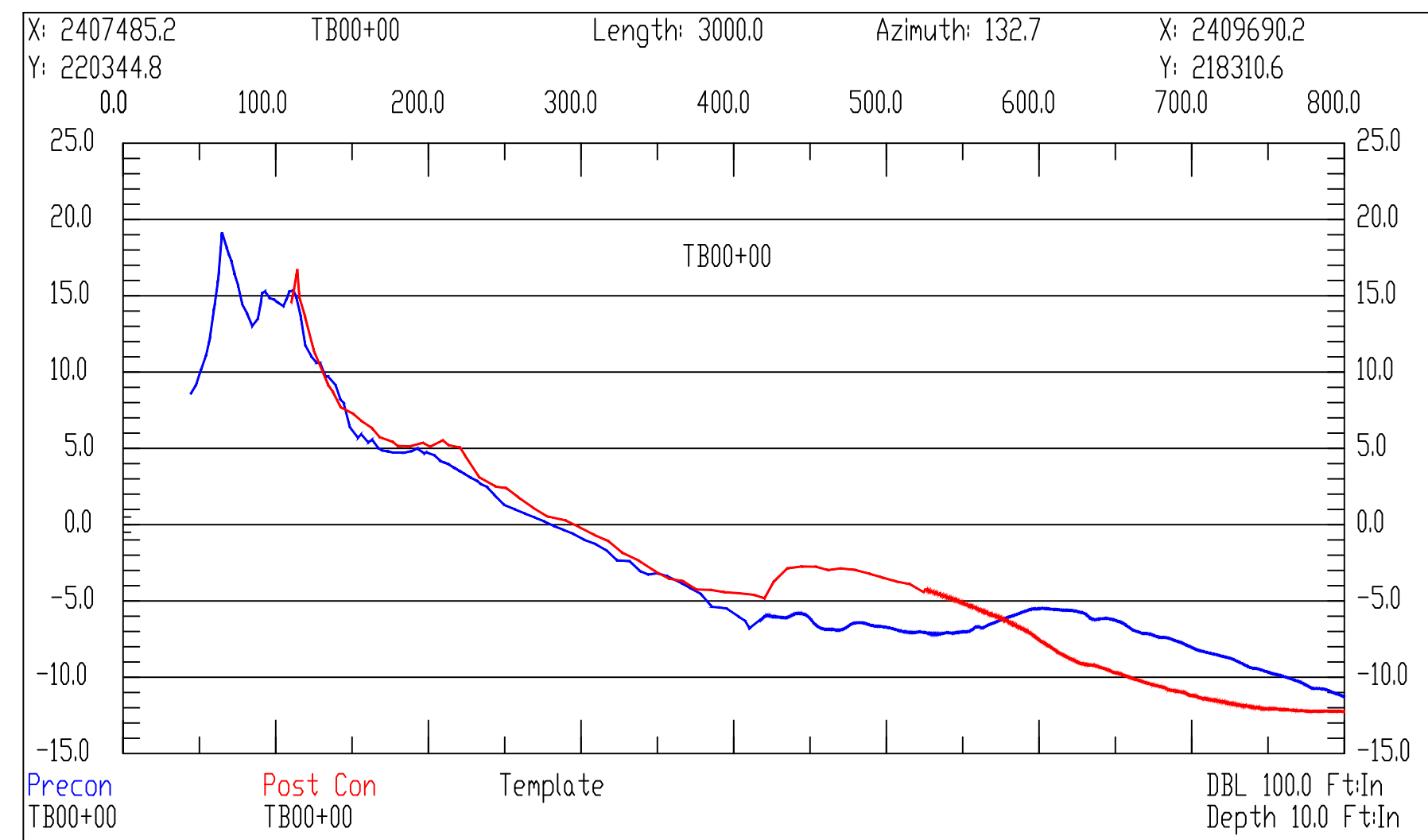
Beach, Inlet, & Sound Maintenance Project

Plan View - Beach Template and Bathymetry

Notes:
 1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024
 SURVEY DATE: February 2024
 SCALE: 1" = 100'
 SHEET: 10 OF 25

Christian L. Gibson, P.E. No. 026273



TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

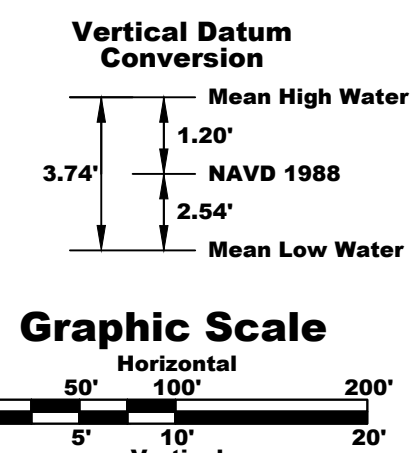
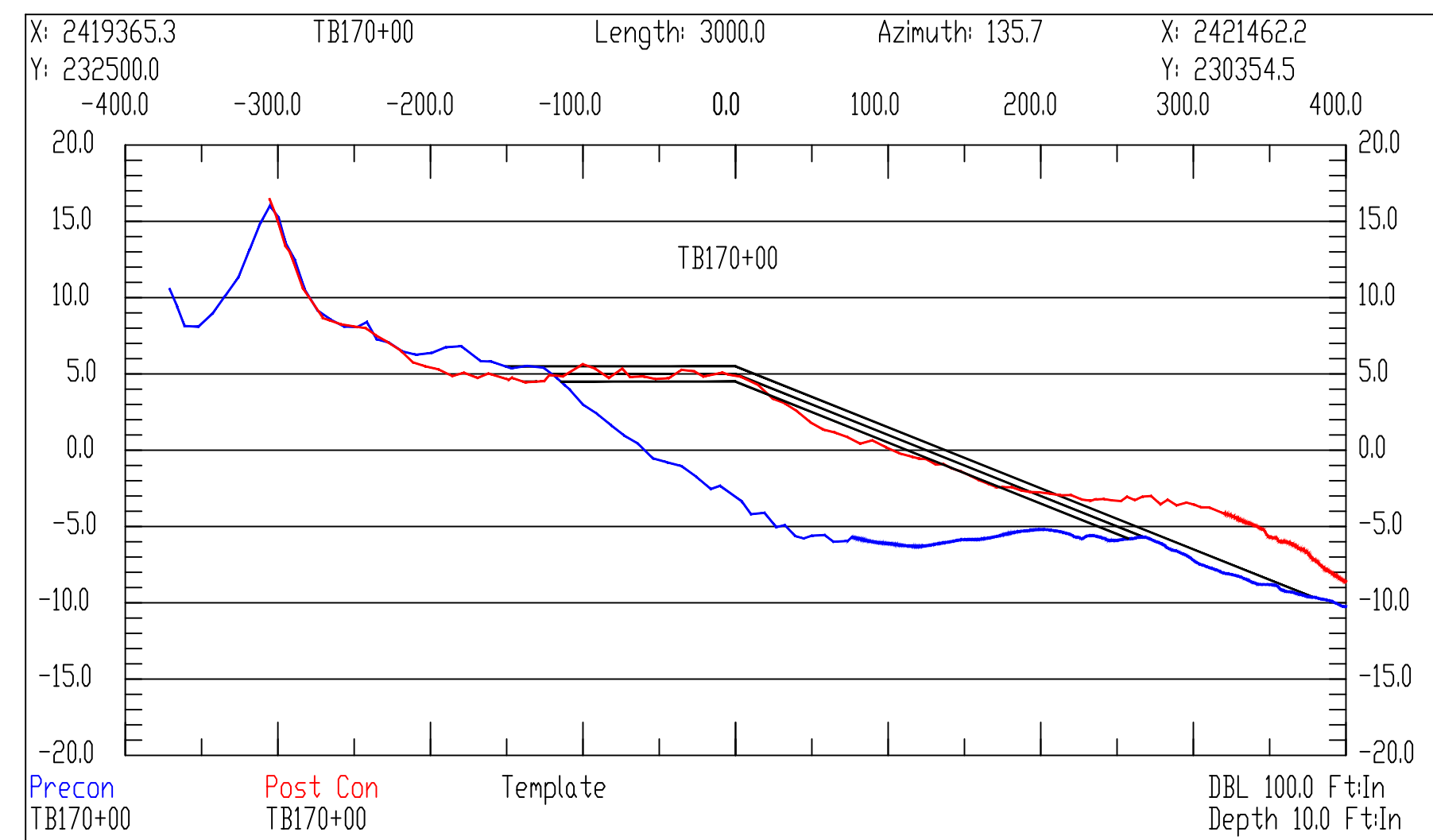
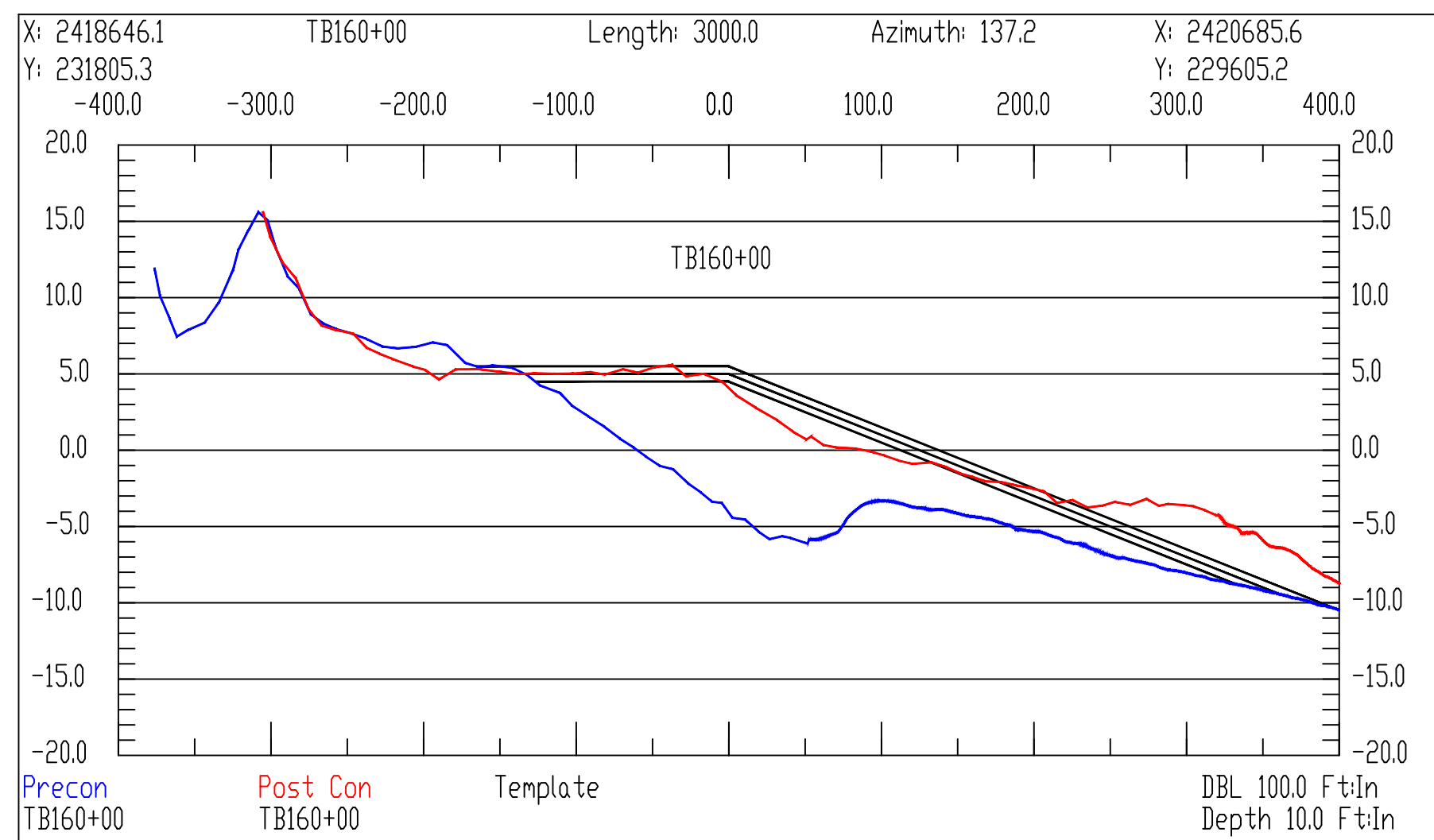
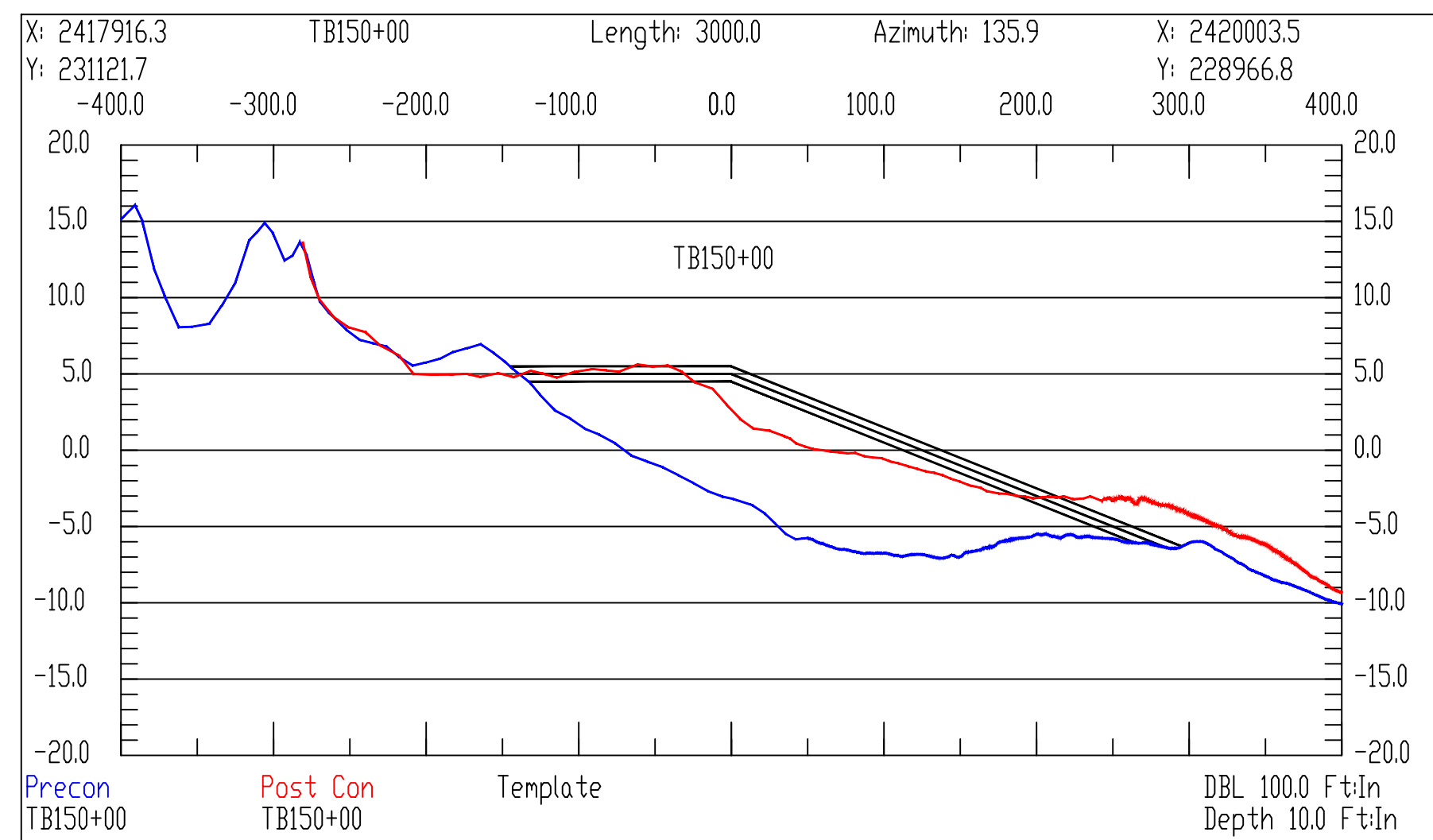
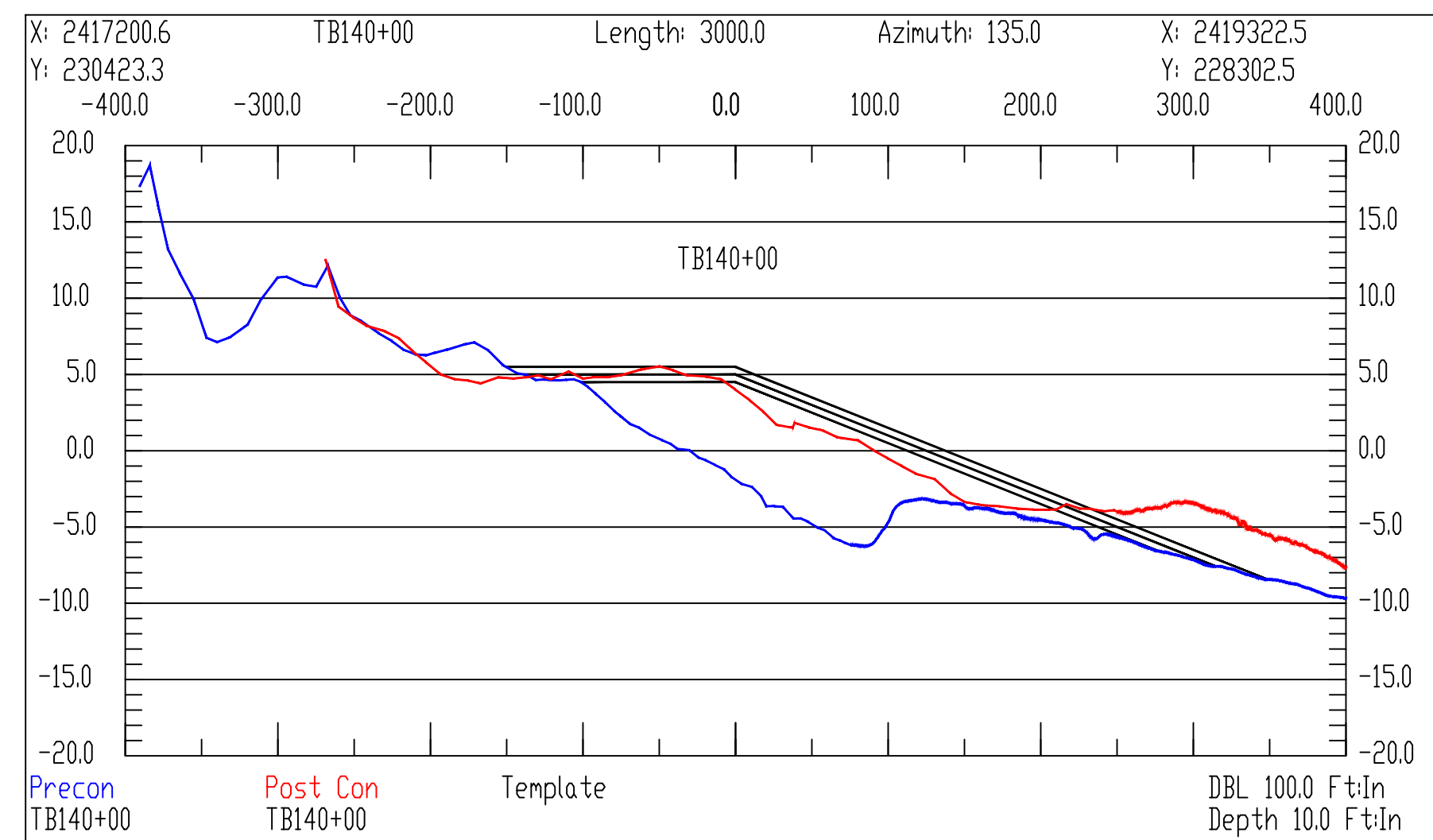
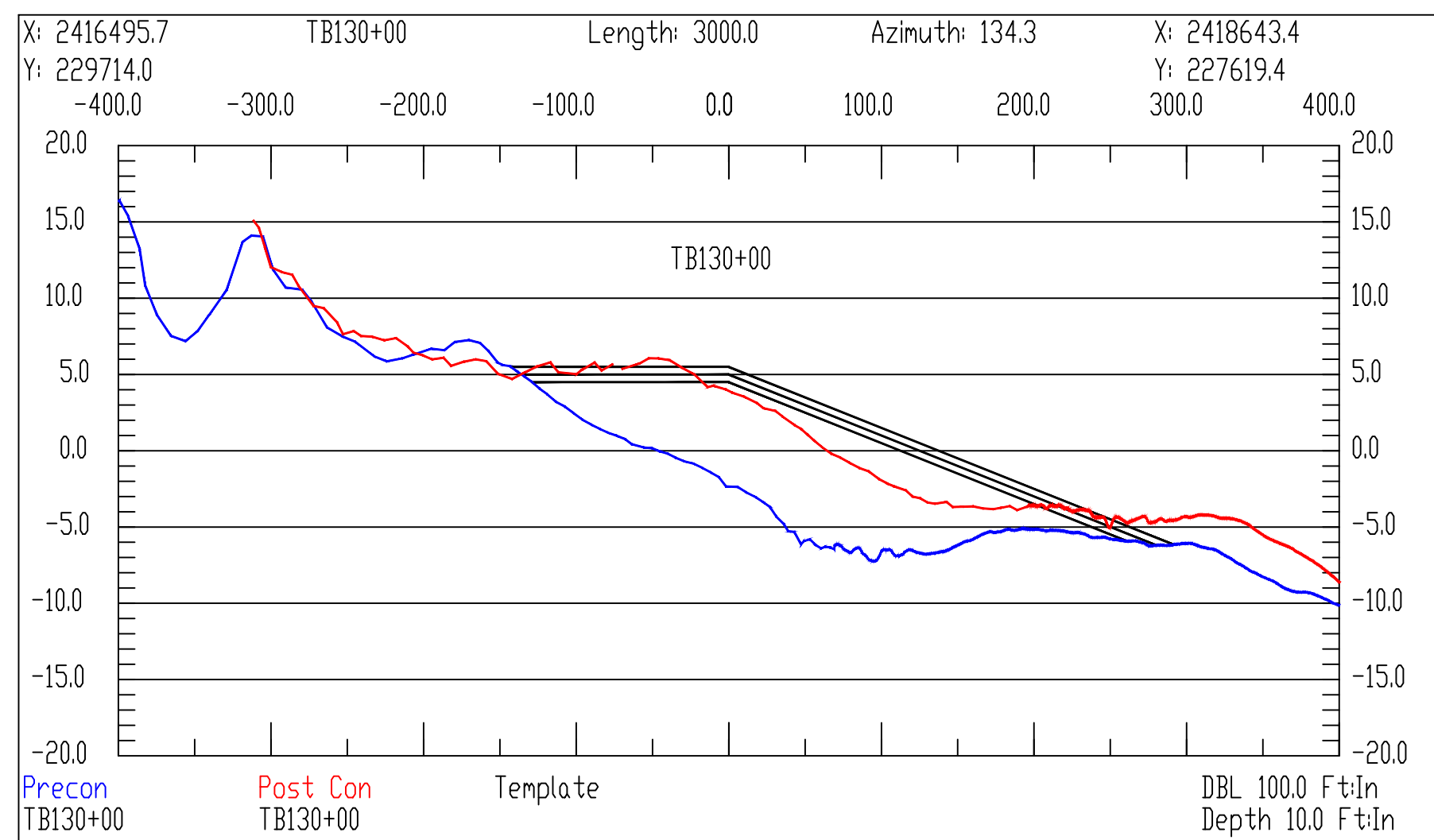
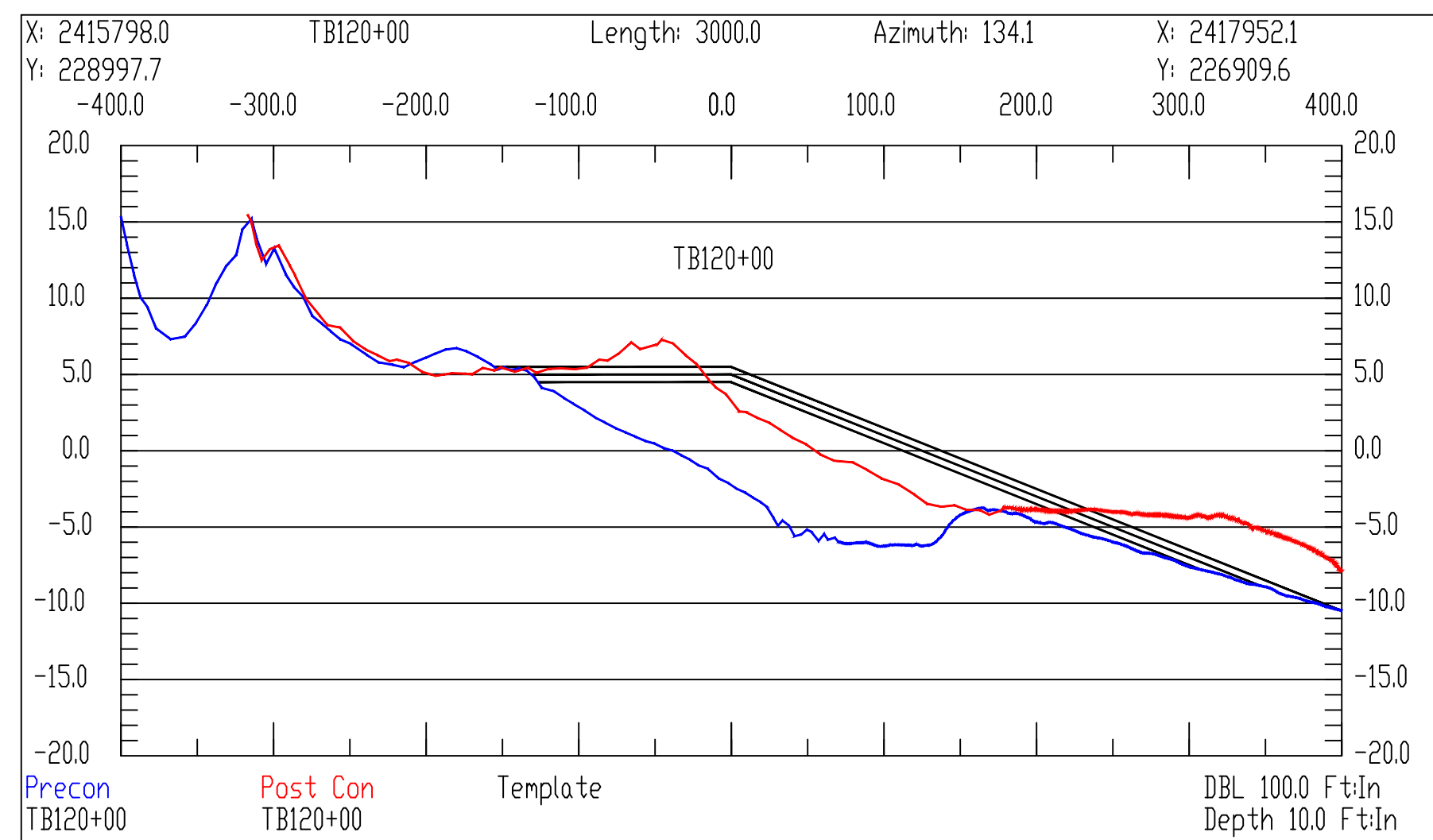
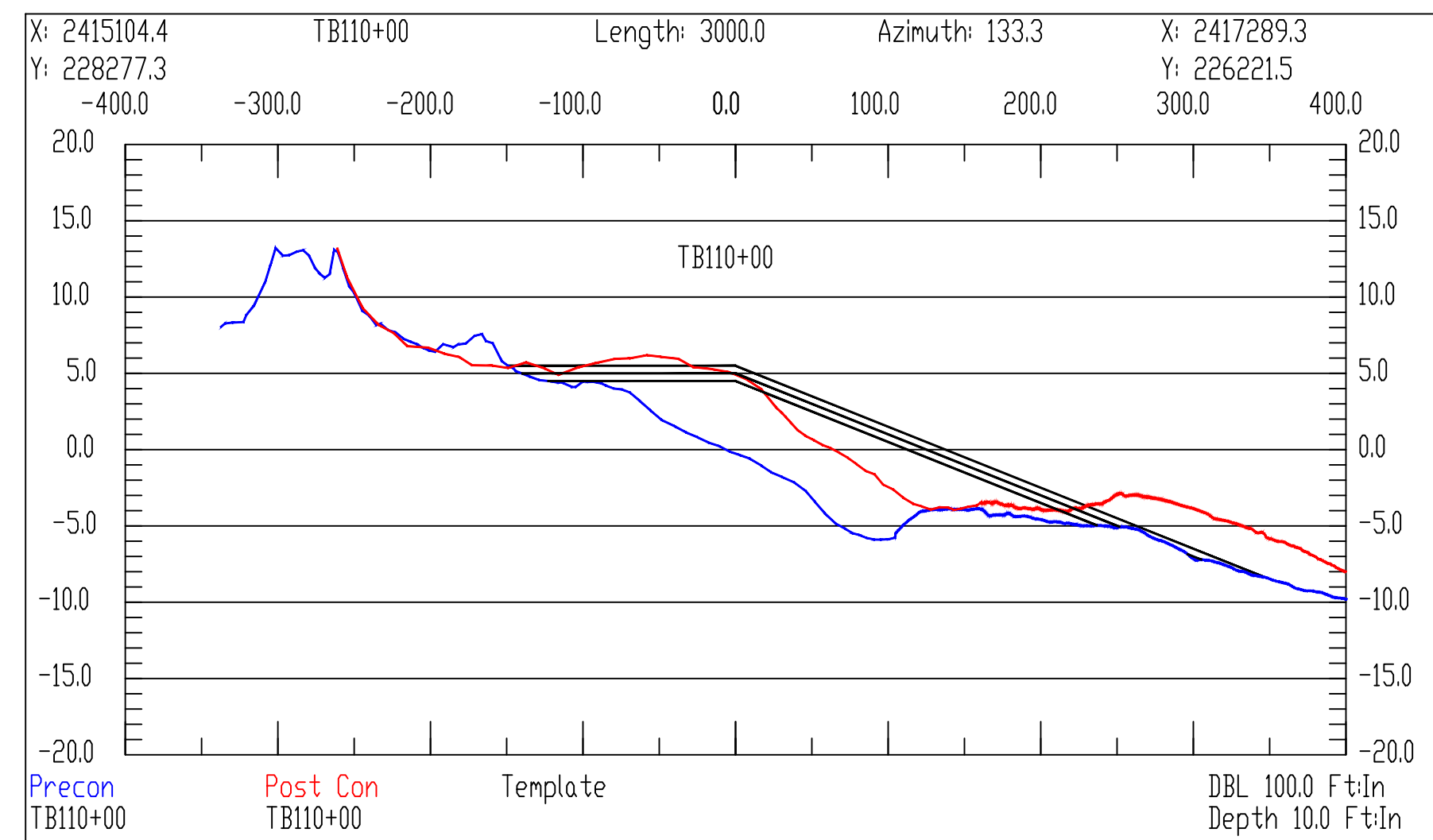
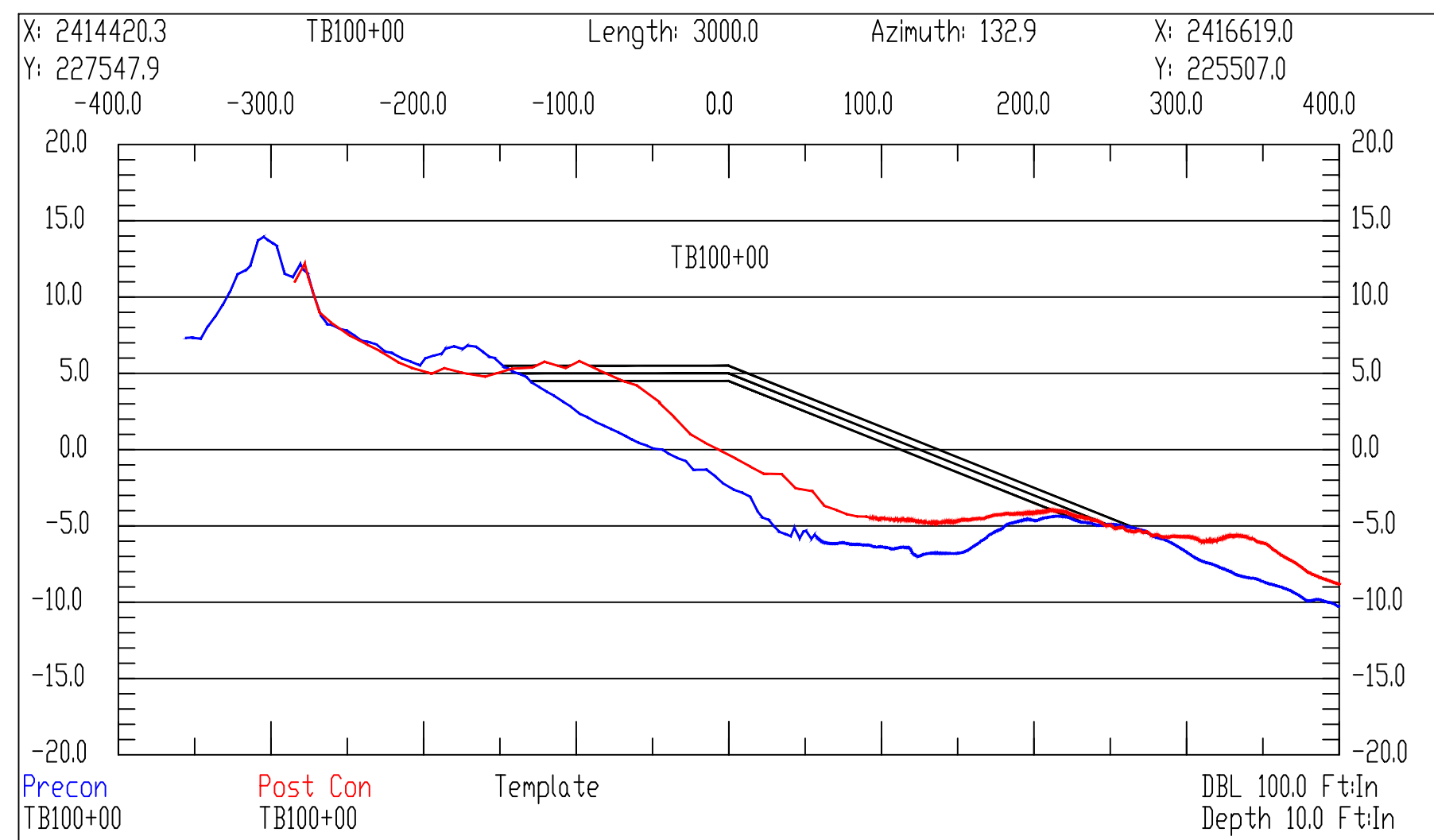
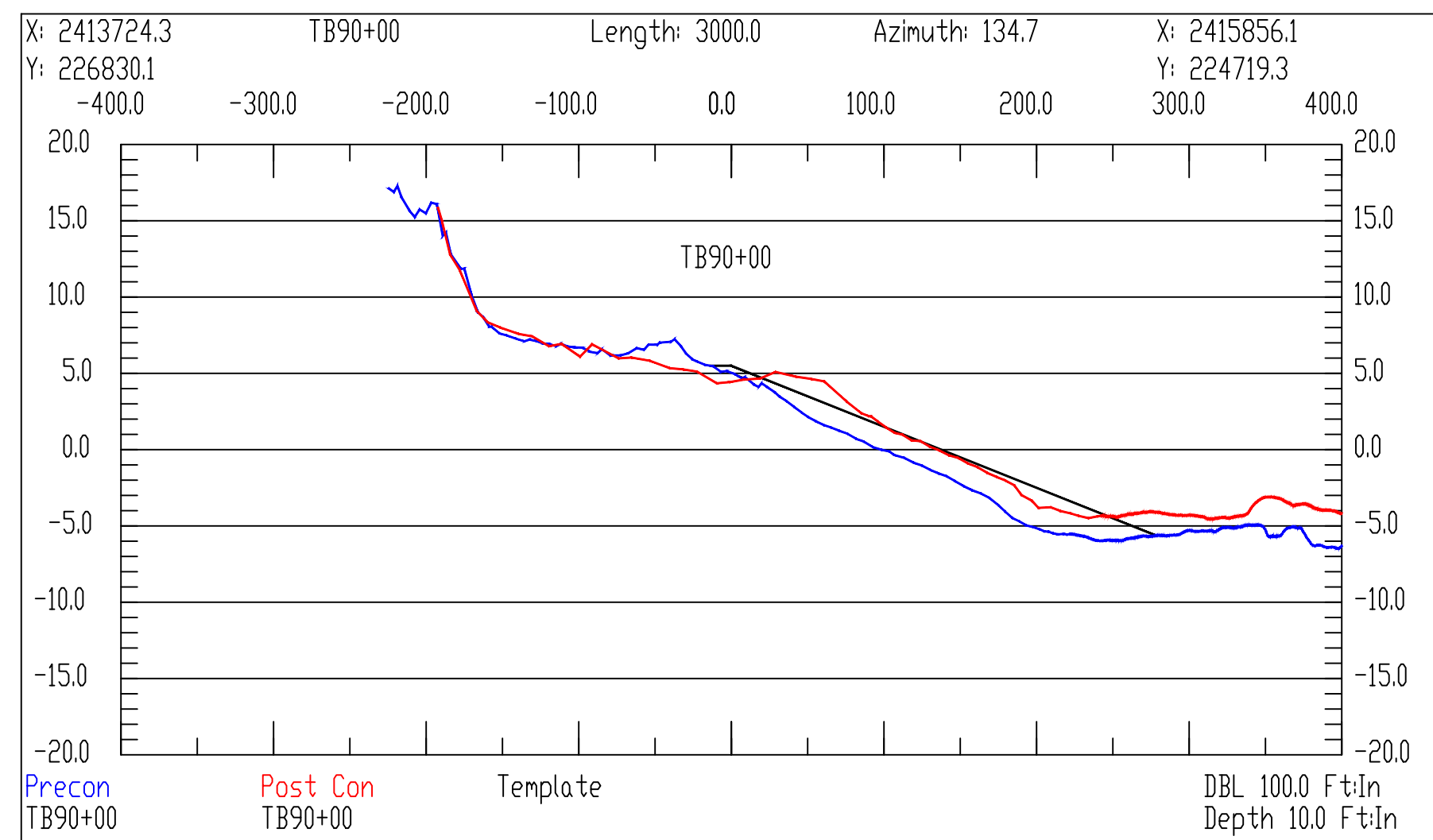
Beach, Inlet, & Sound Maintenance Project

Station 0+00 to 80+00 - Beach Template and Cross Sections

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg	
DWG DATE: March 4, 2024	SURVEY DATE: February 2024
SCALE: As Shown	SHEET: 11 OF 25

Christian L. Gibson, P.E. No. 026273



TOWN OF TOPSAIL BEACH
2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

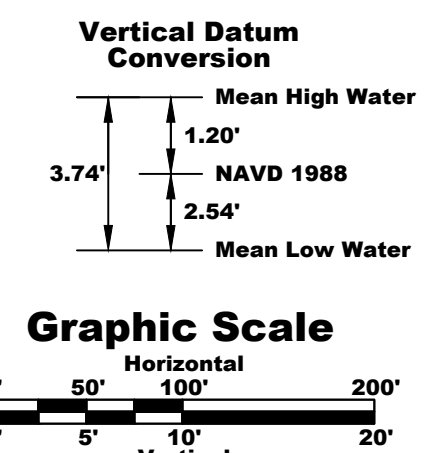
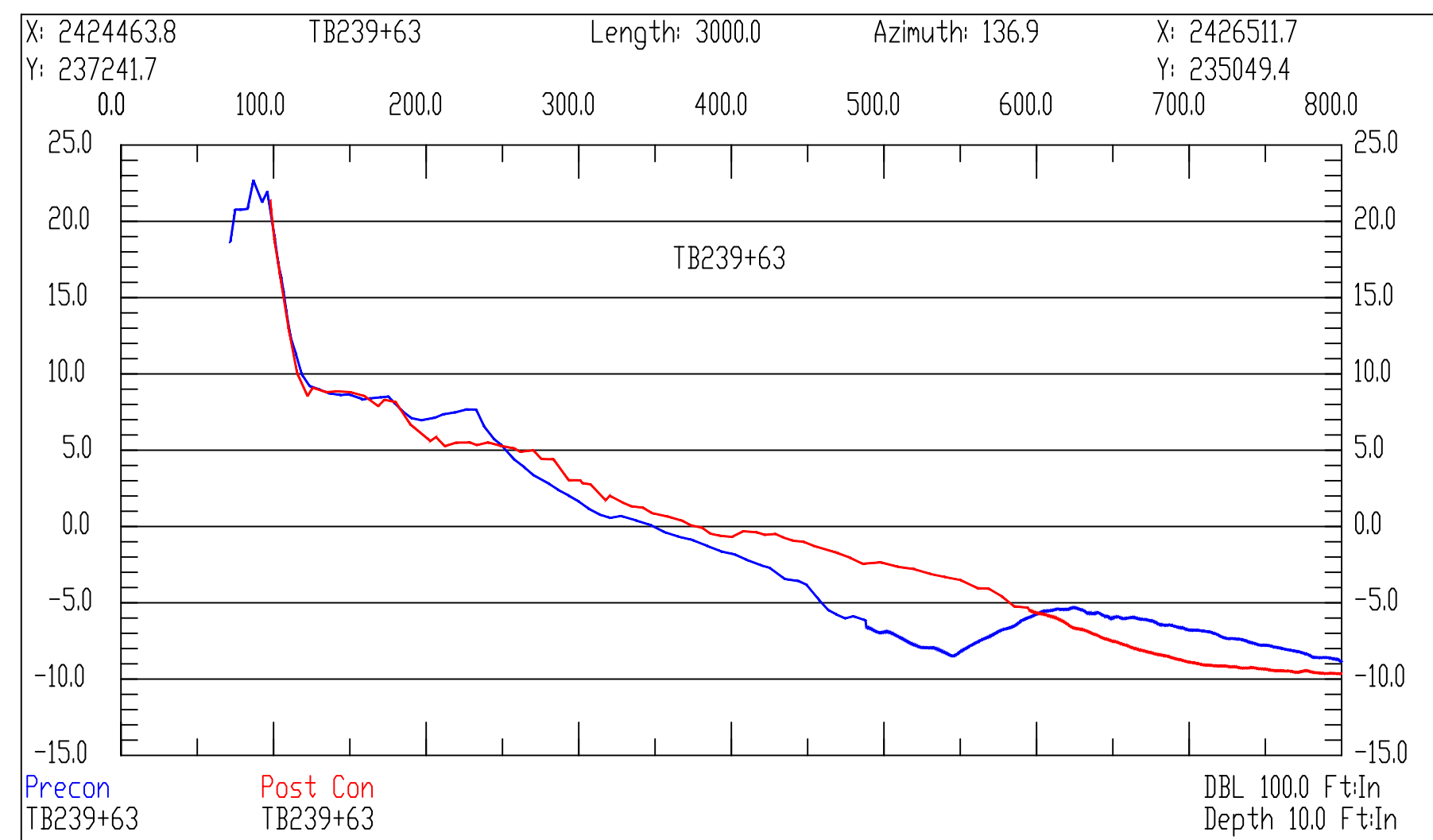
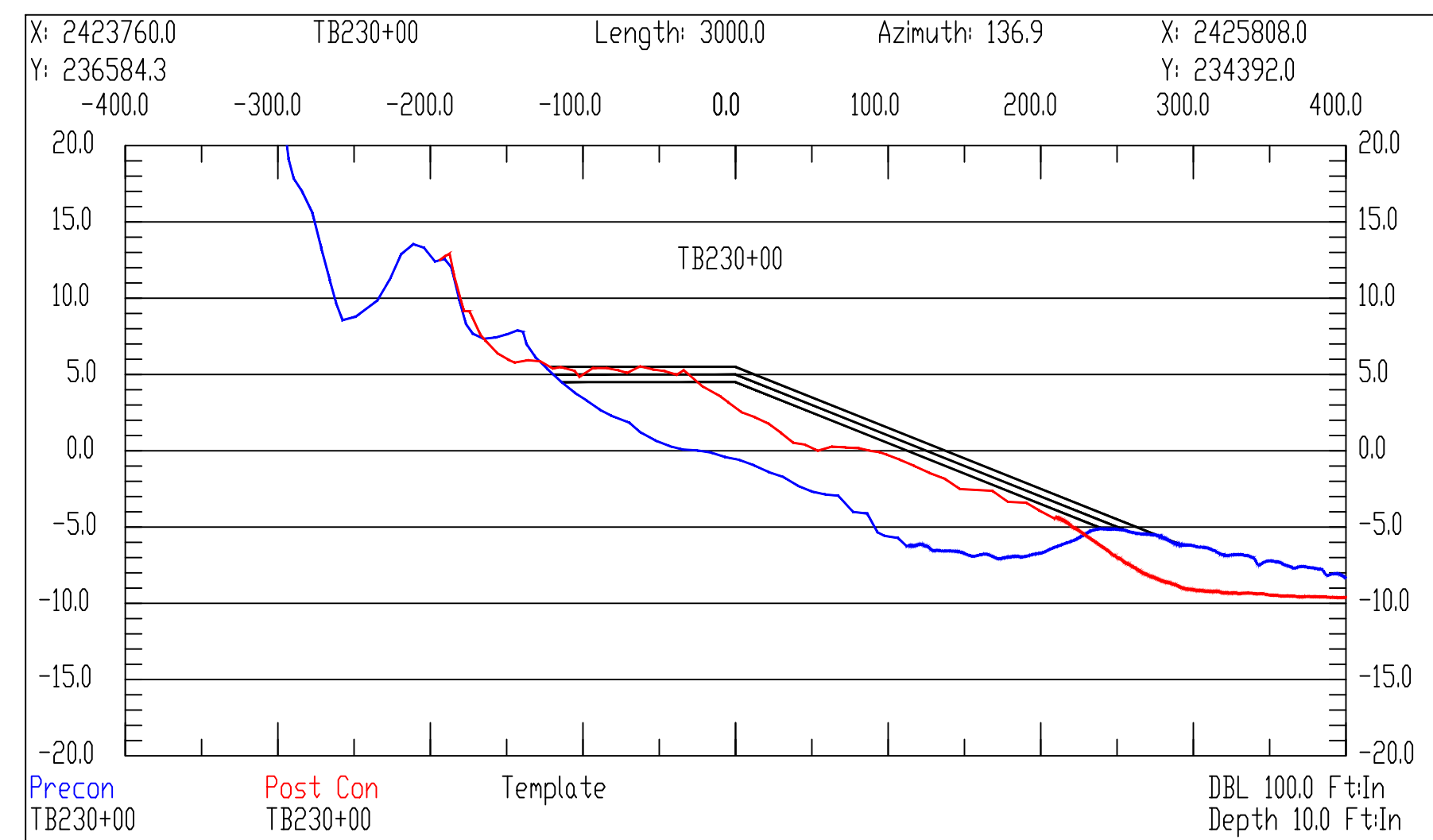
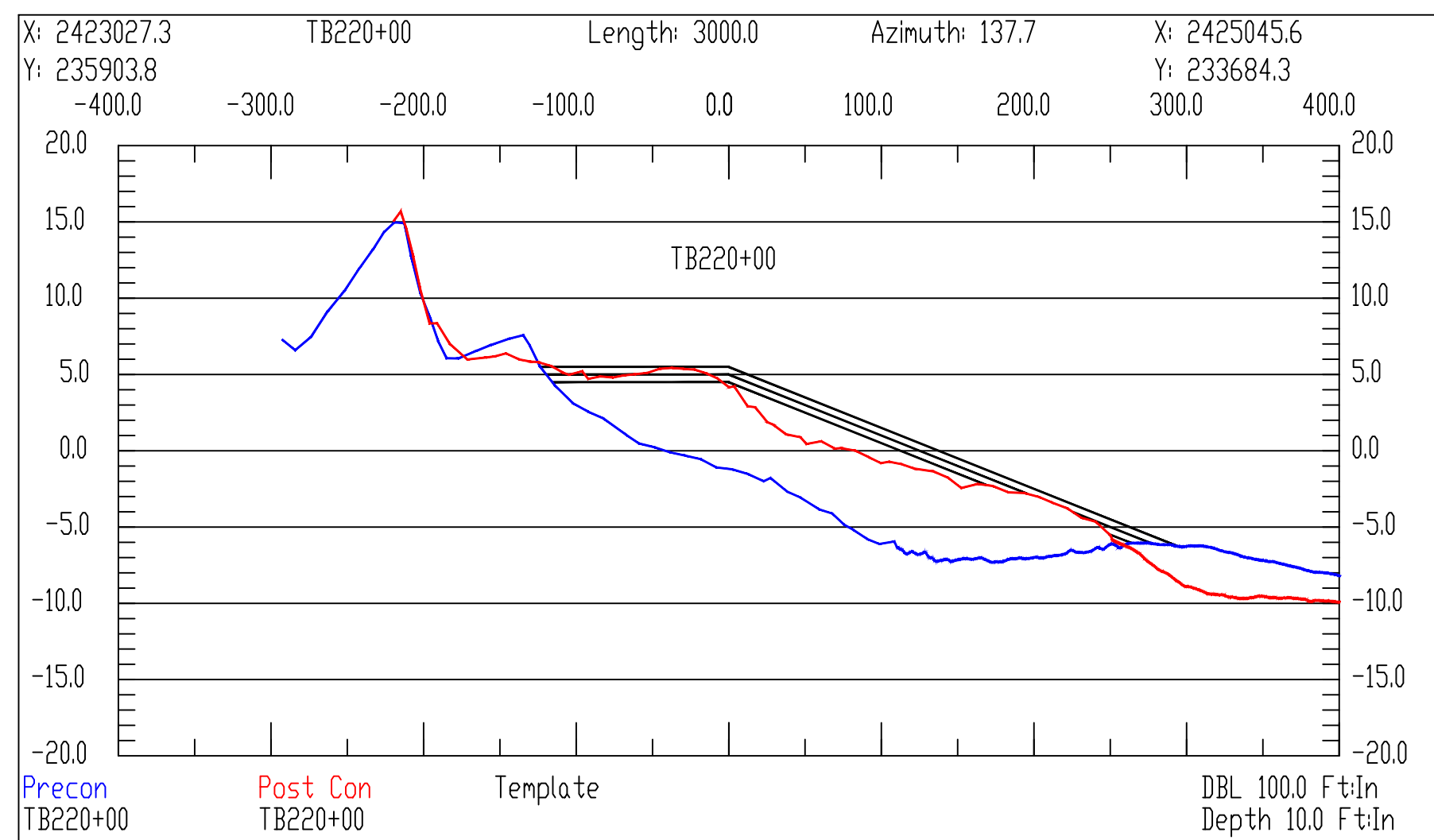
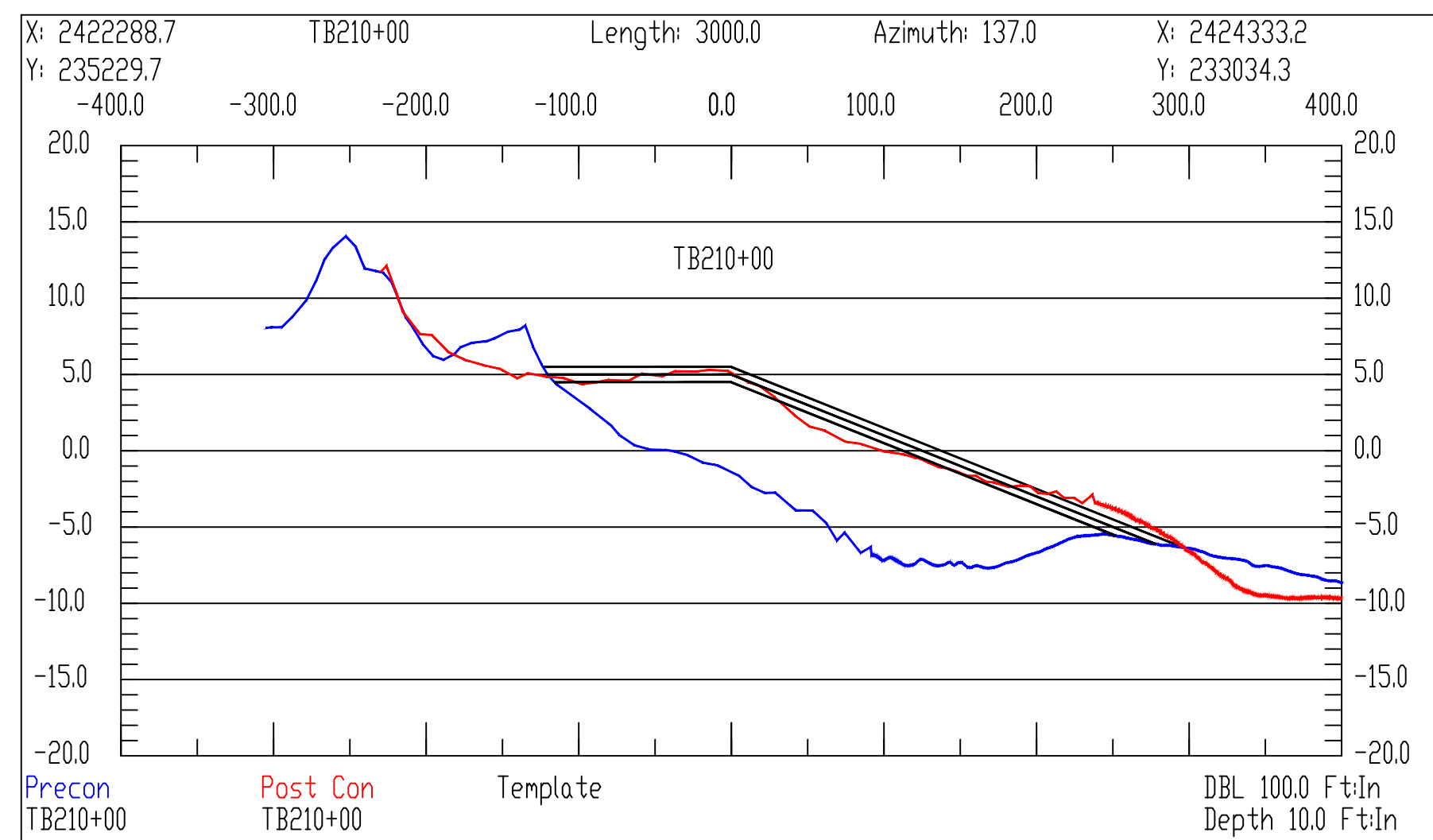
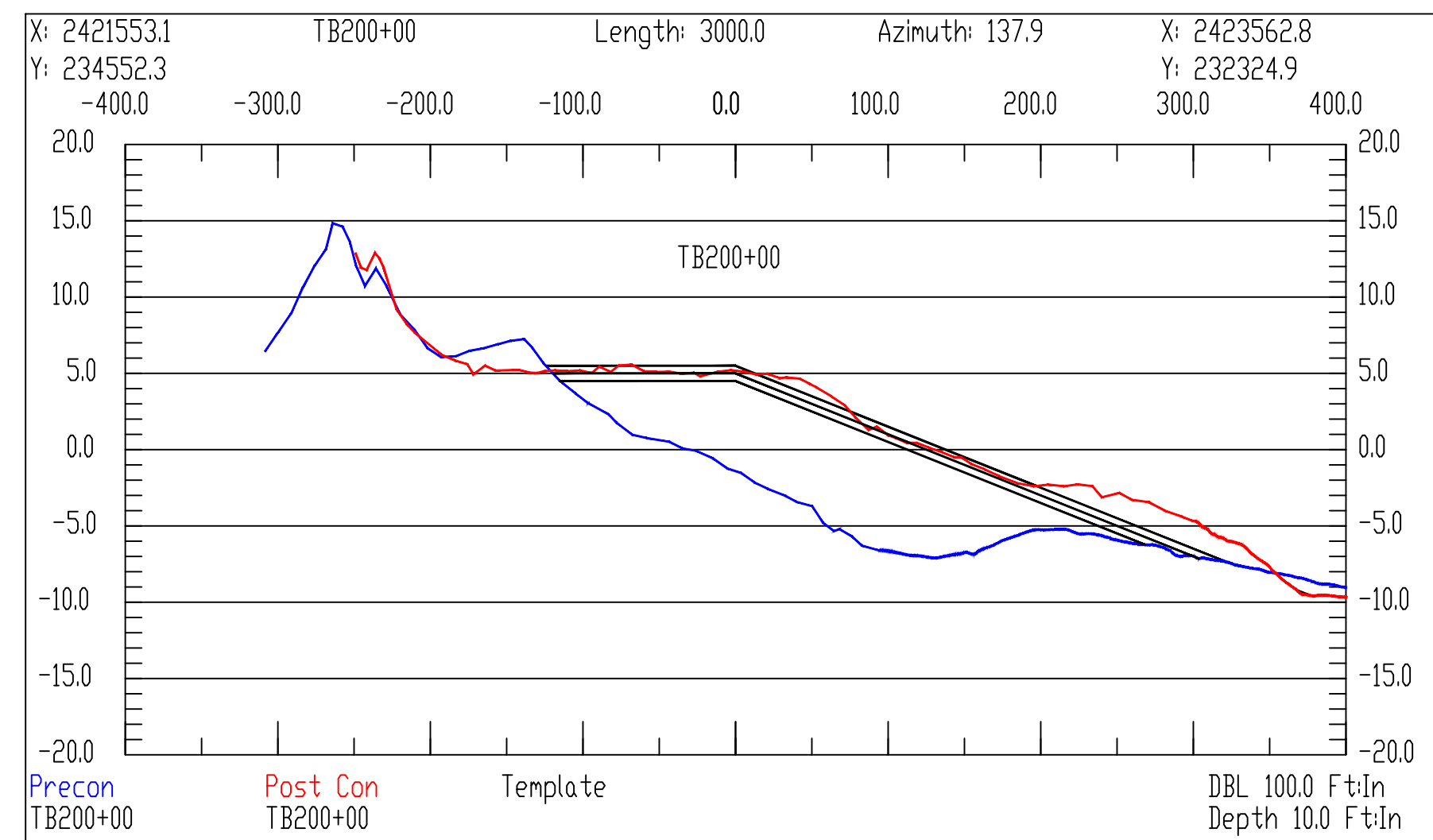
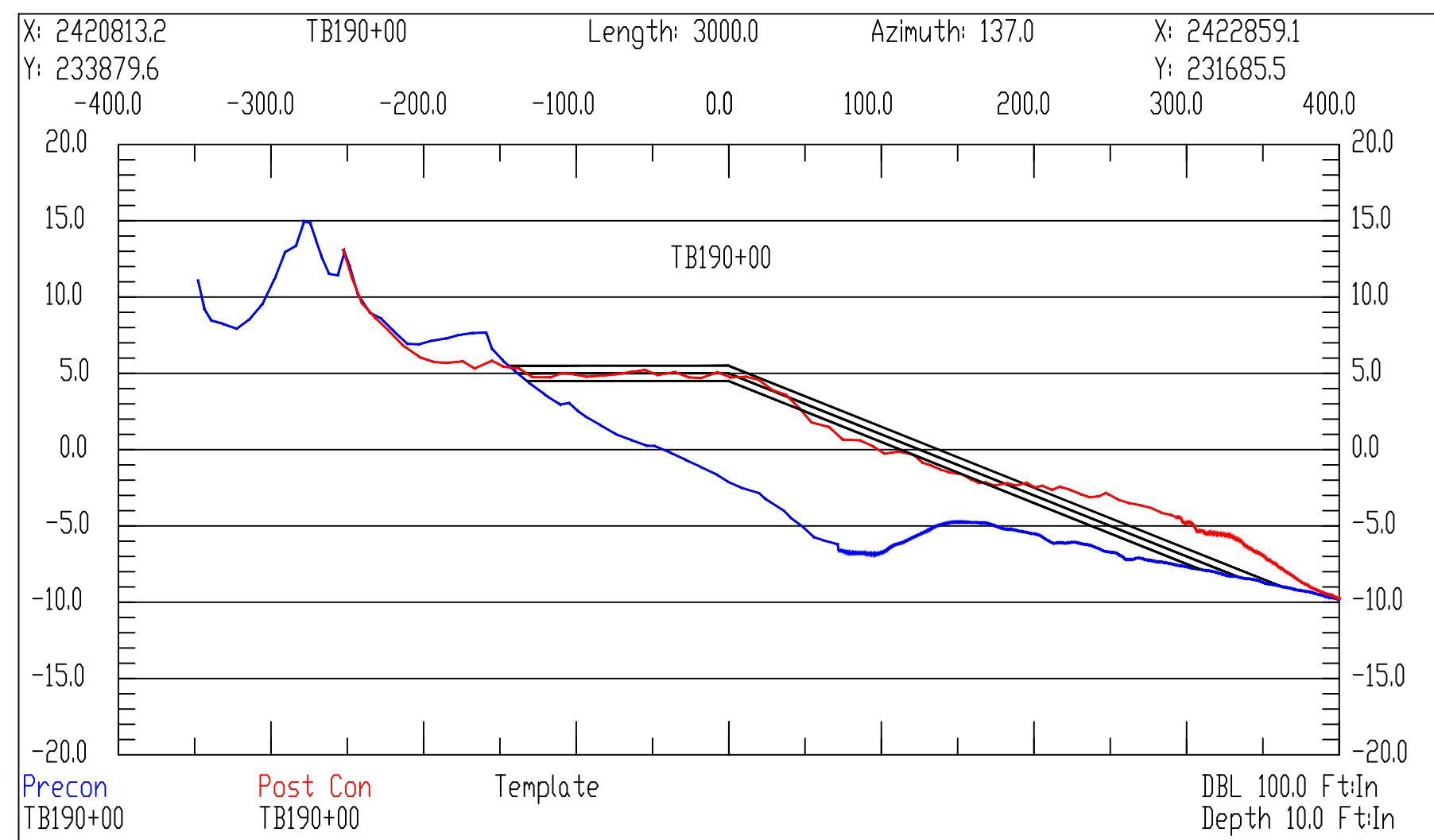
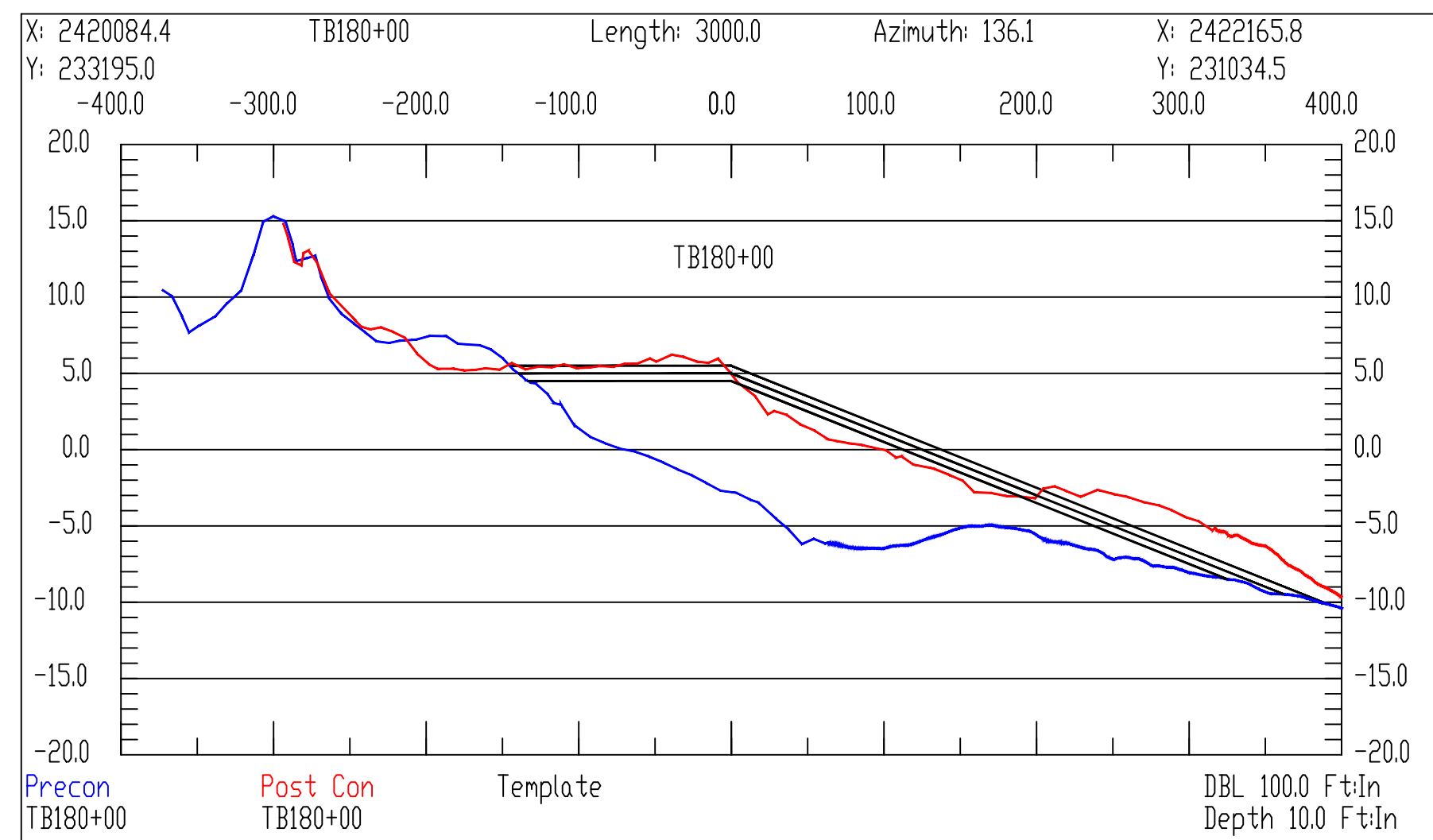
Beach, Inlet, & Sound Maintenance Project

Station 90+00 to 170+00 - Beach Template and Cross Sections

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
DWG DATE: March 4, 2024 SURVEY DATE: February 2024
SCALE: As Shown SHEET: 12 OF 25

Christian L. Gibson, P.E. No. 026273



TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

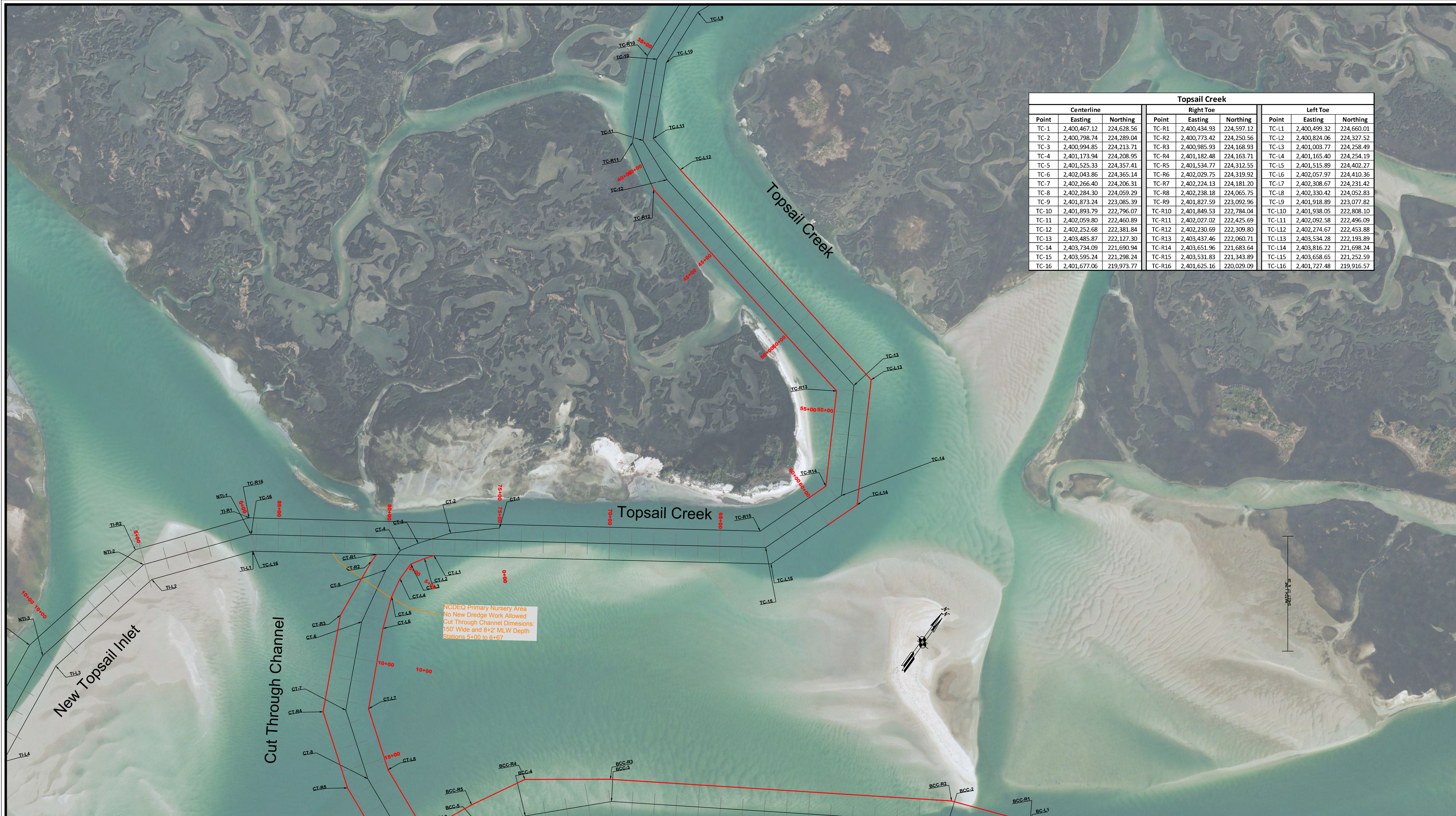
Beach, Inlet, & Sound Maintenance Project

Station 180+00 to 239+63 - Beach Template and Cross Sections

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg	
DWG DATE: March 4, 2024	SURVEY DATE: February 2024
SCALE: As Shown	SHEET: 13 OF 25

Christian L. Gibson, P.E. No. 026273



Topsail Creek								
Centerline			Right Toe		Left Toe			
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
TC-1	2,400,467.12	224,628.56	TC-R1	2,400,434.93	224,597.12	TC-L1	2,400,499.32	224,660.01
TC-2	2,400,798.74	224,289.04	TC-R2	2,400,773.42	224,250.56	TC-L2	2,400,824.06	224,327.52
TC-3	2,400,994.85	224,213.71	TC-R3	2,400,985.93	224,168.93	TC-L3	2,401,003.77	224,258.49
TC-4	2,401,173.94	224,208.95	TC-R4	2,401,182.48	224,163.71	TC-L4	2,401,165.40	224,254.19
TC-5	2,401,525.33	224,357.41	TC-R5	2,401,534.77	224,312.55	TC-L5	2,401,515.89	224,402.27
TC-6	2,402,043.86	224,365.14	TC-R6	2,402,029.75	224,319.92	TC-L6	2,402,057.97	224,410.36
TC-7	2,402,266.40	224,206.31	TC-R7	2,402,224.13	224,181.20	TC-L7	2,402,308.67	224,231.42
TC-8	2,402,284.30	224,059.29	TC-R8	2,402,238.18	224,065.75	TC-L8	2,402,330.42	224,052.83
TC-9	2,401,873.24	223,085.39	TC-R9	2,401,827.59	223,092.96	TC-L9	2,401,918.89	223,077.82
TC-10	2,401,893.79	222,796.07	TC-R10	2,401,849.53	222,784.04	TC-L10	2,401,938.05	222,808.10
TC-11	2,402,059.80	222,460.89	TC-R11	2,402,027.02	222,425.69	TC-L11	2,402,092.58	222,496.09
TC-12	2,402,252.68	222,381.84	TC-R12	2,402,230.69	222,309.80	TC-L12	2,402,274.67	222,453.88
TC-13	2,403,485.87	222,127.30	TC-R13	2,403,437.46	222,060.71	TC-L13	2,403,534.28	222,193.89
TC-14	2,403,734.09	221,690.94	TC-R14	2,403,651.96	221,683.64	TC-L14	2,403,816.22	221,698.24
TC-15	2,403,595.24	221,298.24	TC-R15	2,403,531.83	221,343.89	TC-L15	2,403,658.65	221,252.59
TC-16	2,401,677.06	219,973.77	TC-R16	2,401,625.16	220,029.09	TC-L16	2,401,727.48	219,916.57

NCDEQ Primary Nursery Area
No New Dredge Work Allowed
Cut Through Channel Dimensions:
150' Wide and 8+2' MLW Depth
Stations 5+00 to 6+67

TI Coastal, PLLC
387 N. Green Meadows Dr.
Wilmington, NC 28405
910.921.1358
COL # P-1246

Vertical Datum Conversion

Mean High Water	1.20'
NAVD 1988	3.74'
Mean Low Water	2.54'

Graphic Scale

0' 100' 200' 400'

Scale: 1" = 200'

TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

Beach, Inlet, & Sound Maintenance Project

Plan View - Creek Dredge Channels and Control

Notes:

- Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
- Vertical Datum: NAVD88 for Beach; MLW for Channels
- Data collected by TI Coastal in February 2024 and represent conditions at that time.
- All depths and elevations are expressed as in feet and tenths.
- Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg	
DWG DATE: March 4, 2024	SURVEY DATE: February 2024
Christian L. Gibson, P.E. No. 026273	SHEET: 14 OF 25



Topsail Creek								
Point	Centerline		Right Toe		Left Toe		Point	Northing
	Easting	Northing	Easting	Northing	Easting	Northing		
TC-1	2,400,467.12	224,628.56	TC-R1	2,400,434.93	224,597.12	TC-L1	2,400,499.32	224,660.01
TC-2	2,400,798.74	224,289.04	TC-R2	2,400,773.42	224,250.56	TC-L2	2,400,824.06	224,327.52
TC-3	2,400,994.85	224,213.71	TC-R3	2,400,985.93	224,168.93	TC-L3	2,401,003.77	224,258.49
TC-4	2,401,173.94	224,208.95	TC-R4	2,401,182.48	224,163.71	TC-L4	2,401,165.40	224,254.19
TC-5	2,401,525.33	224,357.41	TC-R5	2,401,534.77	224,312.55	TC-L5	2,401,515.89	224,402.27
TC-6	2,402,043.86	224,365.14	TC-R6	2,402,029.75	224,319.92	TC-L6	2,402,057.97	224,410.36
TC-7	2,402,266.40	224,206.31	TC-R7	2,402,224.13	224,181.20	TC-L7	2,402,308.67	224,231.42
TC-8	2,402,284.30	224,059.29	TC-R8	2,402,238.18	224,065.75	TC-L8	2,402,330.42	224,052.83
TC-9	2,401,873.24	223,085.39	TC-R9	2,401,827.59	223,092.96	TC-L9	2,401,918.89	223,077.82
TC-10	2,401,893.79	222,796.07	TC-R10	2,401,849.53	222,784.04	TC-L10	2,401,938.05	222,808.10
TC-11	2,402,059.80	222,460.89	TC-R11	2,402,027.02	222,425.69	TC-L11	2,402,092.58	222,496.09
TC-12	2,402,252.68	222,381.84	TC-R12	2,402,230.69	222,309.80	TC-L12	2,402,274.67	222,453.88
TC-13	2,403,485.87	222,127.30	TC-R13	2,403,437.46	222,060.71	TC-L13	2,403,534.28	222,193.89
TC-14	2,403,734.09	221,690.94	TC-R14	2,403,651.96	221,683.64	TC-L14	2,403,816.22	221,698.24
TC-15	2,403,595.24	221,298.24	TC-R15	2,403,531.83	221,343.89	TC-L15	2,403,658.65	221,252.59
TC-16	2,401,677.06	219,973.77	TC-R16	2,401,625.16	220,029.09	TC-L16	2,401,727.48	219,916.57

NCDEQ Primary Nursery Area
 No New Dredge Work Allowed
 Cut Through Channel Dimensions:
 150' Wide and 8'+2" MLW Depth
 Stations 5+00 to 6+67

TI Coastal, PLLC
 387 N. Green Meadows Dr.
 Wilmington, NC 28405
 910.921.1358
 COL # P-1246

Vertical Datum Conversion

1.20'
 Mean High Water
 3.74'
 NAVD 1988
 2.54'
 Mean Low Water

Graphic Scale

0' 100' 200' 400'
 Scale: 1" = 200'

TOWN OF TOPSAIL BEACH
 2023/2024 BEACH NOURISHMENT PROJECT
 Pender County, NC

Beach, Inlet, & Sound Maintenance Project

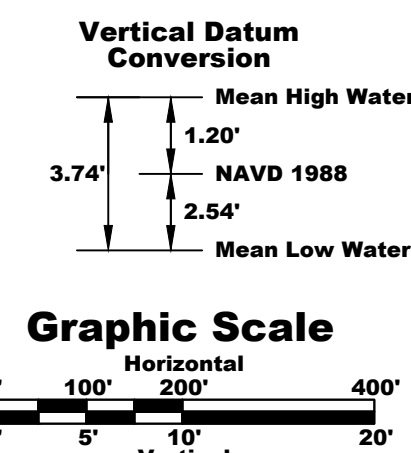
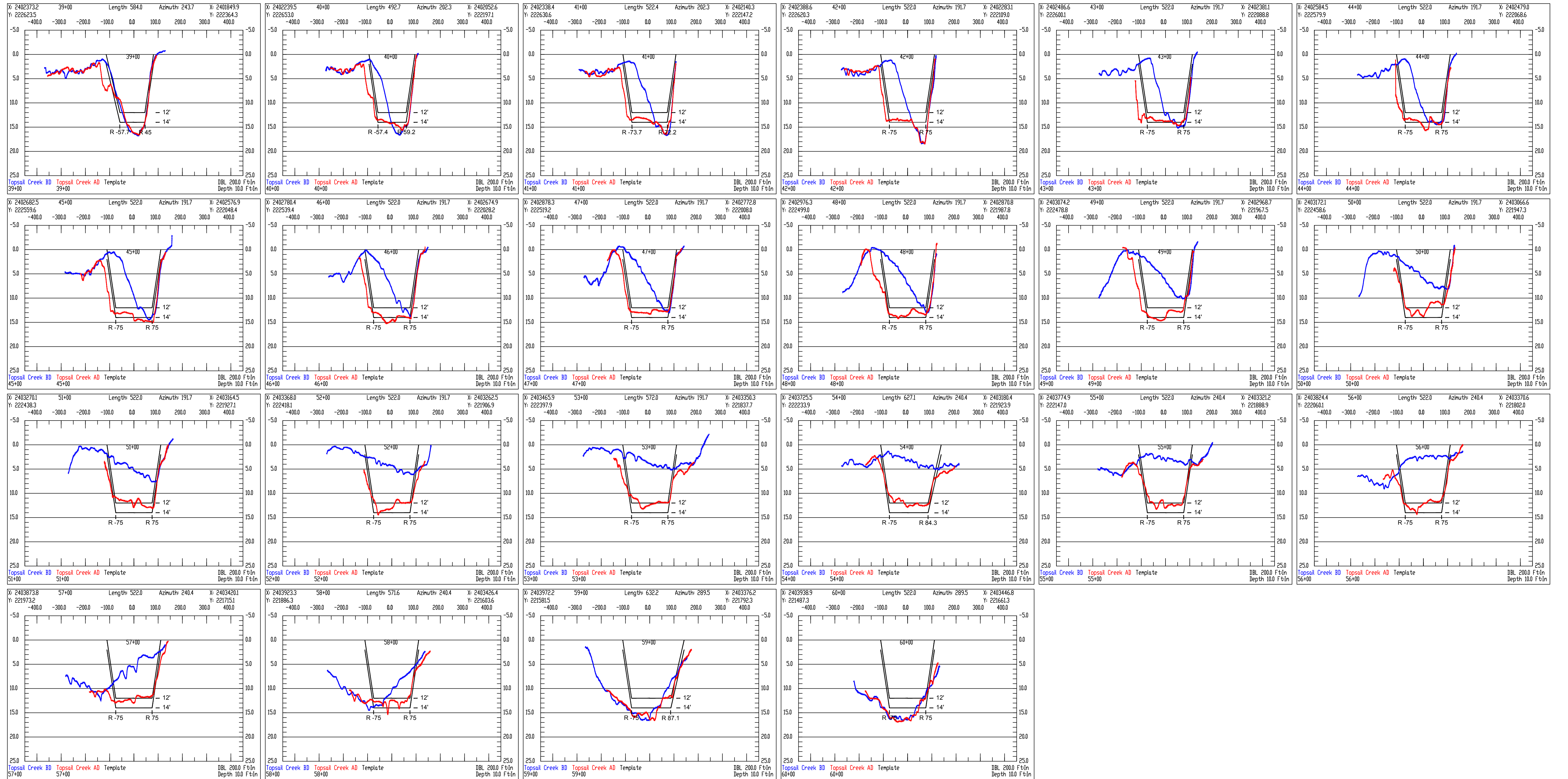
Plan View - Creek Dredge Channels and Bathymetry

Notes:

- Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
- Vertical Datum: NAVD88 for Beach; MLW for Channels
- Data collected by TI Coastal in February 2024 and represent conditions at that time.
- All depths and elevations are expressed as in feet and tenths.
- Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024
 SURVEY DATE: February 2024
 SCALE: 1" = 200'
 SHEET: 15 OF 25

Christian L. Gibson, P.E. No. 026273



TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

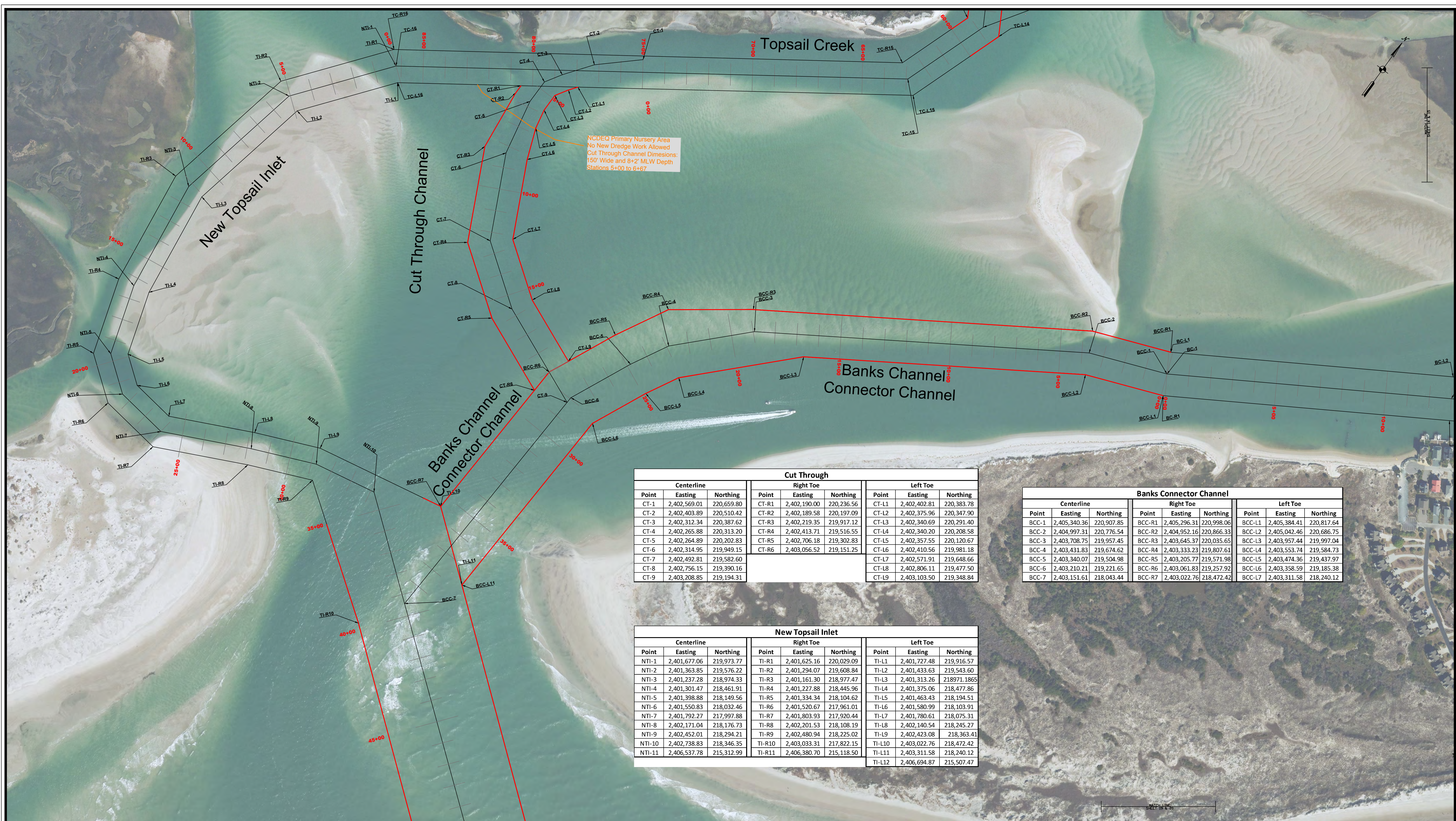
Beach, Inlet, & Sound Maintenance Project

Station 39+00 to 60+00 - Topsail Creek Cross Sections

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg	
DWG DATE: March 4, 2024	SURVEY DATE: February 2024
SCALE: As Shown	SHEET: 16 OF 25

Christian L. Gibson, P.E. No. 026273



NCDEQ Primary Nursery Area
No New Dredge Work Allowed
Cut Through Channel Dimensions:
150' Wide and 8+2' MLW Depth
Stations 5+00 to 6+67

Cut Through								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
CT-1	2,402,569.01	220,659.80	CT-R1	2,402,190.00	220,236.56	CT-L1	2,402,402.81	220,383.78
CT-2	2,402,403.89	220,510.42	CT-R2	2,402,189.58	220,197.09	CT-L2	2,402,375.96	220,347.90
CT-3	2,402,312.34	220,387.62	CT-R3	2,402,219.35	219,917.12	CT-L3	2,402,340.69	220,291.40
CT-4	2,402,265.88	220,313.20	CT-R4	2,402,413.71	219,516.55	CT-L4	2,402,340.20	220,208.58
CT-5	2,402,264.89	220,202.83	CT-R5	2,402,706.18	219,302.83	CT-L5	2,402,357.55	220,120.67
CT-6	2,402,314.95	219,949.15	CT-R6	2,403,056.52	219,151.25	CT-L6	2,402,410.56	219,981.18
CT-7	2,402,492.81	219,582.60				CT-L7	2,402,571.91	219,648.66
CT-8	2,402,756.15	219,390.16				CT-L8	2,402,806.11	219,477.50
CT-9	2,403,208.85	219,194.31				CT-L9	2,403,103.50	219,348.84

Banks Connector Channel								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
BCC-1	2,405,340.36	220,907.85	BCC-R1	2,405,296.31	220,998.06	BCC-L1	2,405,384.41	220,817.64
BCC-2	2,404,997.31	220,776.54	BCC-R2	2,404,952.16	220,866.33	BCC-L2	2,405,042.46	220,686.75
BCC-3	2,403,708.75	219,957.45	BCC-R3	2,403,645.37	220,035.65	BCC-L3	2,403,957.44	219,997.04
BCC-4	2,403,431.83	219,674.62	BCC-R4	2,403,333.23	219,807.61	BCC-L4	2,403,553.74	219,584.73
BCC-5	2,403,340.07	219,504.98	BCC-R5	2,403,205.77	219,571.98	BCC-L5	2,403,474.36	219,437.97
BCC-6	2,403,210.21	219,221.65	BCC-R6	2,403,061.83	219,257.92	BCC-L6	2,403,358.59	219,185.38
BCC-7	2,403,151.61	218,043.44	BCC-R7	2,403,022.76	218,472.42	BCC-L7	2,403,311.58	218,240.12

New Topsail Inlet								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
NTI-1	2,401,677.06	219,973.77	TI-R1	2,401,625.16	220,029.09	TI-L1	2,401,727.48	219,916.57
NTI-2	2,401,363.85	219,576.22	TI-R2	2,401,294.07	219,608.84	TI-L2	2,401,433.63	219,543.60
NTI-3	2,401,237.28	218,974.33	TI-R3	2,401,161.30	218,977.47	TI-L3	2,401,313.26	218,971.1865
NTI-4	2,401,301.47	218,461.91	TI-R4	2,401,227.88	218,445.96	TI-L4	2,401,375.06	218,477.86
NTI-5	2,401,398.88	218,149.56	TI-R5	2,401,334.34	218,104.62	TI-L5	2,401,463.43	218,194.51
NTI-6	2,401,550.83	218,032.46	TI-R6	2,401,520.67	217,961.01	TI-L6	2,401,580.99	218,103.91
NTI-7	2,401,792.27	217,997.88	TI-R7	2,401,803.93	217,920.44	TI-L7	2,401,780.61	218,075.31
NTI-8	2,402,171.04	218,176.73	TI-R8	2,402,201.53	218,108.19	TI-L8	2,402,140.54	218,245.27
NTI-9	2,402,452.01	218,294.21	TI-R9	2,402,480.94	218,225.02	TI-L9	2,402,423.08	218,363.41
NTI-10	2,402,738.83	218,346.35	TI-R10	2,403,033.31	217,822.15	TI-L10	2,403,022.76	218,472.42
NTI-11	2,406,537.78	215,312.99	TI-R11	2,406,380.70	215,118.50	TI-L11	2,403,311.58	218,240.12
						TI-L12	2,406,694.87	215,507.47

TI Coastal, PLLC
387 N. Green Meadows Dr.
Wilmington, NC 28405
910.921.1358
COL # P-1246

Vertical Datum Conversion

Mean High Water
1.20'
NAVD 1988
3.74'
2.54'
Mean Low Water

Graphic Scale

0' 100' 200' 400'
Scale: 1" = 200'

TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

Beach, Inlet, & Sound Maintenance Project

Plan View - Creek Dredge Channels and Control

Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
2. Vertical Datum: NAVD88 for Beach; MLW for Channels
3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
4. All depths and elevations are expressed as in feet and tenths.
5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
DWG DATE: March 4, 2024
SURVEY DATE: February 2024
SCALE: 1" = 200'
SHEET: 17 OF 25

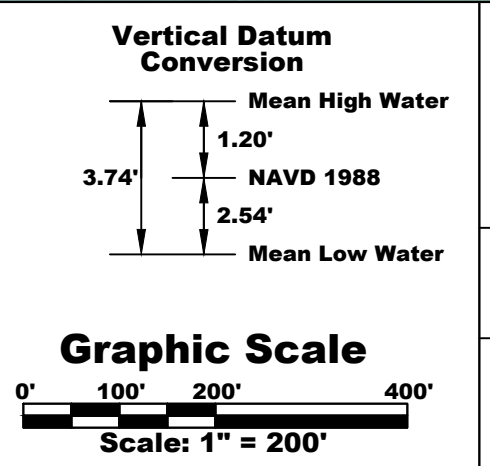
Christian L. Gibson, P.E. No. 026273



Cut Through								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
CT-1	2,402,569.01	220,659.80	CT-R1	2,402,190.00	220,236.56	CT-L1	2,402,402.81	220,383.78
CT-2	2,402,403.89	220,510.42	CT-R2	2,402,189.58	220,197.09	CT-L2	2,402,375.96	220,347.90
CT-3	2,402,312.34	220,387.62	CT-R3	2,402,219.35	219,917.12	CT-L3	2,402,340.69	220,291.40
CT-4	2,402,265.88	220,313.20	CT-R4	2,402,413.71	219,516.55	CT-L4	2,402,340.20	220,208.58
CT-5	2,402,264.89	220,202.83	CT-R5	2,402,706.18	219,302.83	CT-L5	2,402,357.55	220,120.67
CT-6	2,402,314.95	219,949.15	CT-R6	2,403,056.52	219,151.25	CT-L6	2,402,410.56	219,981.18
CT-7	2,402,492.81	219,582.60				CT-L7	2,402,571.91	219,648.66
CT-8	2,402,756.15	219,390.16				CT-L8	2,402,806.11	219,477.50
CT-9	2,403,208.85	219,194.31				CT-L9	2,403,103.50	219,348.84

Banks Connector Channel								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
BCC-1	2,405,340.36	220,907.85	BCC-R1	2,405,296.31	220,998.06	BCC-L1	2,405,384.41	220,817.64
BCC-2	2,404,997.31	220,776.54	BCC-R2	2,404,952.16	220,866.33	BCC-L2	2,405,042.46	220,686.75
BCC-3	2,403,708.75	219,957.45	BCC-R3	2,403,645.37	220,035.65	BCC-L3	2,403,957.44	219,997.04
BCC-4	2,403,431.83	219,674.62	BCC-R4	2,403,333.23	219,807.61	BCC-L4	2,403,553.74	219,584.73
BCC-5	2,403,340.07	219,504.98	BCC-R5	2,403,205.77	219,571.98	BCC-L5	2,403,474.36	219,437.97
BCC-6	2,403,210.21	219,221.65	BCC-R6	2,403,061.83	219,257.92	BCC-L6	2,403,358.59	219,185.38
BCC-7	2,403,151.61	218,043.44	BCC-R7	2,403,022.76	218,472.42	BCC-L7	2,403,311.58	218,240.12

New Topsail Inlet								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
NTI-1	2,401,677.06	219,973.77	TI-R1	2,401,625.16	220,029.09	TI-L1	2,401,727.48	219,916.57
NTI-2	2,401,363.85	219,576.22	TI-R2	2,401,294.07	219,608.84	TI-L2	2,401,433.63	219,543.60
NTI-3	2,401,237.28	218,974.33	TI-R3	2,401,161.30	218,977.47	TI-L3	2,401,313.26	218,971.1865
NTI-4	2,401,301.47	218,461.91	TI-R4	2,401,227.88	218,445.96	TI-L4	2,401,375.06	218,477.86
NTI-5	2,401,398.88	218,149.56	TI-R5	2,401,334.34	218,104.62	TI-L5	2,401,463.43	218,194.51
NTI-6	2,401,550.83	218,032.46	TI-R6	2,401,520.67	217,961.01	TI-L6	2,401,580.99	218,103.91
NTI-7	2,401,792.27	217,997.88	TI-R7	2,401,803.93	217,920.44	TI-L7	2,401,780.61	218,075.31
NTI-8	2,402,171.04	218,176.73	TI-R8	2,402,201.53	218,108.19	TI-L8	2,402,140.54	218,245.27
NTI-9	2,402,452.01	218,294.21	TI-R9	2,402,480.94	218,225.02	TI-L9	2,402,423.08	218,363.41
NTI-10	2,402,738.83	218,346.35	TI-R10	2,403,033.31	217,822.15	TI-L10	2,403,022.76	218,472.42
NTI-11	2,406,537.78	215,312.99	TI-R11	2,406,380.70	215,118.50	TI-L11	2,403,311.58	218,240.12
						TI-L12	2,406,694.87	215,507.47



TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

Beach, Inlet, & Sound Maintenance Project

Plan View - Creek Dredge Channels and Control

Notes:
 1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024
 SURVEY DATE: February 2024
 SCALE: 1" = 200'
 SHEET: 18 OF 25

Christian L. Gibson, P.E. No. 026273



New Topsail Inlet								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
NTI-1	2,401,677.06	219,973.77	TI-R1	2,401,625.16	220,029.09	TI-L1	2,401,727.48	219,916.57
NTI-2	2,401,363.85	219,576.22	TI-R2	2,401,294.07	219,608.84	TI-L2	2,401,433.63	219,543.60
NTI-3	2,401,237.28	218,974.33	TI-R3	2,401,161.30	218,977.47	TI-L3	2,401,313.26	218,971.1865
NTI-4	2,401,301.47	218,461.91	TI-R4	2,401,227.88	218,445.96	TI-L4	2,401,375.06	218,477.86
NTI-5	2,401,398.88	218,149.56	TI-R5	2,401,334.34	218,104.62	TI-L5	2,401,463.43	218,194.51
NTI-6	2,401,550.83	218,032.46	TI-R6	2,401,520.67	217,961.01	TI-L6	2,401,580.99	218,103.91
NTI-7	2,401,792.27	217,997.88	TI-R7	2,401,803.93	217,920.44	TI-L7	2,401,780.61	218,075.31
NTI-8	2,402,171.04	218,176.73	TI-R8	2,402,201.53	218,108.19	TI-L8	2,402,140.54	218,245.27
NTI-9	2,402,452.01	218,294.21	TI-R9	2,402,480.94	218,225.02	TI-L9	2,402,423.08	218,363.41
NTI-10	2,402,738.83	218,346.35	TI-R10	2,403,033.31	217,822.15	TI-L10	2,403,022.76	218,472.42
NTI-11	2,406,537.78	215,312.99	TI-R11	2,406,380.70	215,118.50	TI-L11	2,403,311.58	218,240.12
						TI-L12	2,406,694.87	215,507.47

TI Coastal, PLLC
 387 N. Green Meadows Dr.
 Wilmington, NC 28405
 910.821.1358
 COL # P-1246

Vertical Datum Conversion

Mean High Water
 1.20'
 NAVD 1988
 2.54'
 Mean Low Water
 3.74'

Graphic Scale

0' 100' 200' 400'
 Scale: 1" = 200'

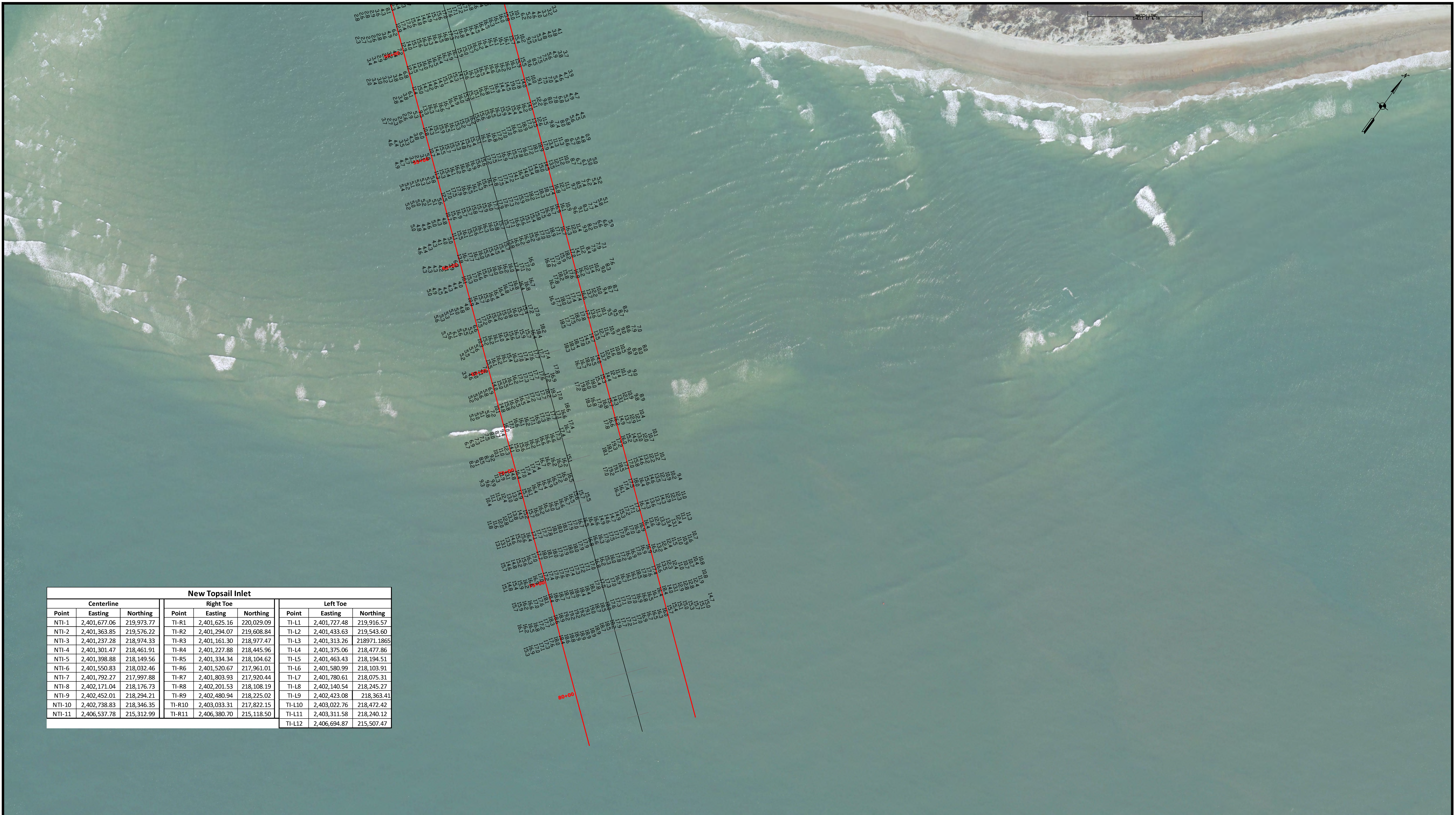
TOWN OF TOPSAIL BEACH
 2023/2024 BEACH NOURISHMENT PROJECT
 Pender County, NC

Beach, Inlet, & Sound Maintenance Project

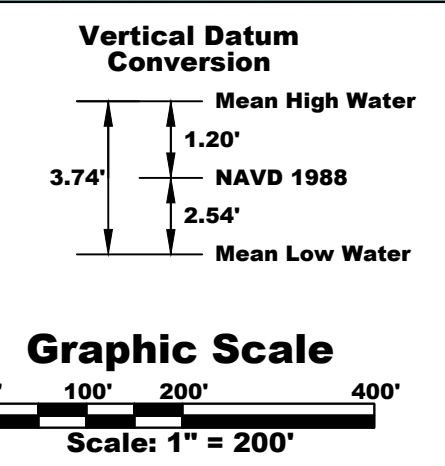
Plan View - Creek Dredge Channels and Control

Notes:
 1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
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DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024 SURVEY DATE: February 2024
 Christian L. Gibson, P.E. No. 026273 SCALE: 1" = 200' SHEET: 19 OF 25



New Topsail Inlet								
Centerline			Right Toe			Left Toe		
Point	Easting	Northing	Point	Easting	Northing	Point	Easting	Northing
NTI-1	2,401,677.06	219,973.77	TI-R1	2,401,625.16	220,029.09	TI-L1	2,401,727.48	219,916.57
NTI-2	2,401,363.85	219,576.22	TI-R2	2,401,294.07	219,608.84	TI-L2	2,401,433.63	219,543.60
NTI-3	2,401,237.28	218,974.33	TI-R3	2,401,161.30	218,977.47	TI-L3	2,401,313.26	218,971.1865
NTI-4	2,401,301.47	218,461.91	TI-R4	2,401,227.88	218,445.96	TI-L4	2,401,375.06	218,477.86
NTI-5	2,401,398.88	218,149.56	TI-R5	2,401,334.34	218,104.62	TI-L5	2,401,463.43	218,194.51
NTI-6	2,401,550.83	218,032.46	TI-R6	2,401,520.67	217,961.01	TI-L6	2,401,580.99	218,103.91
NTI-7	2,401,792.27	217,997.88	TI-R7	2,401,803.93	217,920.44	TI-L7	2,401,780.61	218,075.31
NTI-8	2,402,171.04	218,176.73	TI-R8	2,402,201.53	218,108.19	TI-L8	2,402,140.54	218,245.27
NTI-9	2,402,452.01	218,294.21	TI-R9	2,402,480.94	218,225.02	TI-L9	2,402,423.08	218,363.41
NTI-10	2,402,738.83	218,346.35	TI-R10	2,403,033.31	217,822.15	TI-L10	2,403,022.76	218,472.42
NTI-11	2,406,537.78	215,312.99	TI-R11	2,406,380.70	215,118.50	TI-L11	2,403,311.58	218,240.12
						TI-L12	2,406,694.87	215,507.47



TOWN OF TOPSAIL BEACH
2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

Beach, Inlet, & Sound Maintenance Project

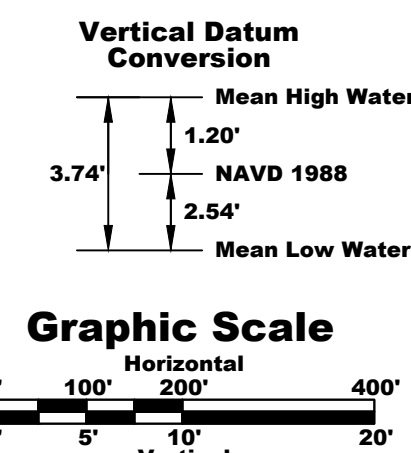
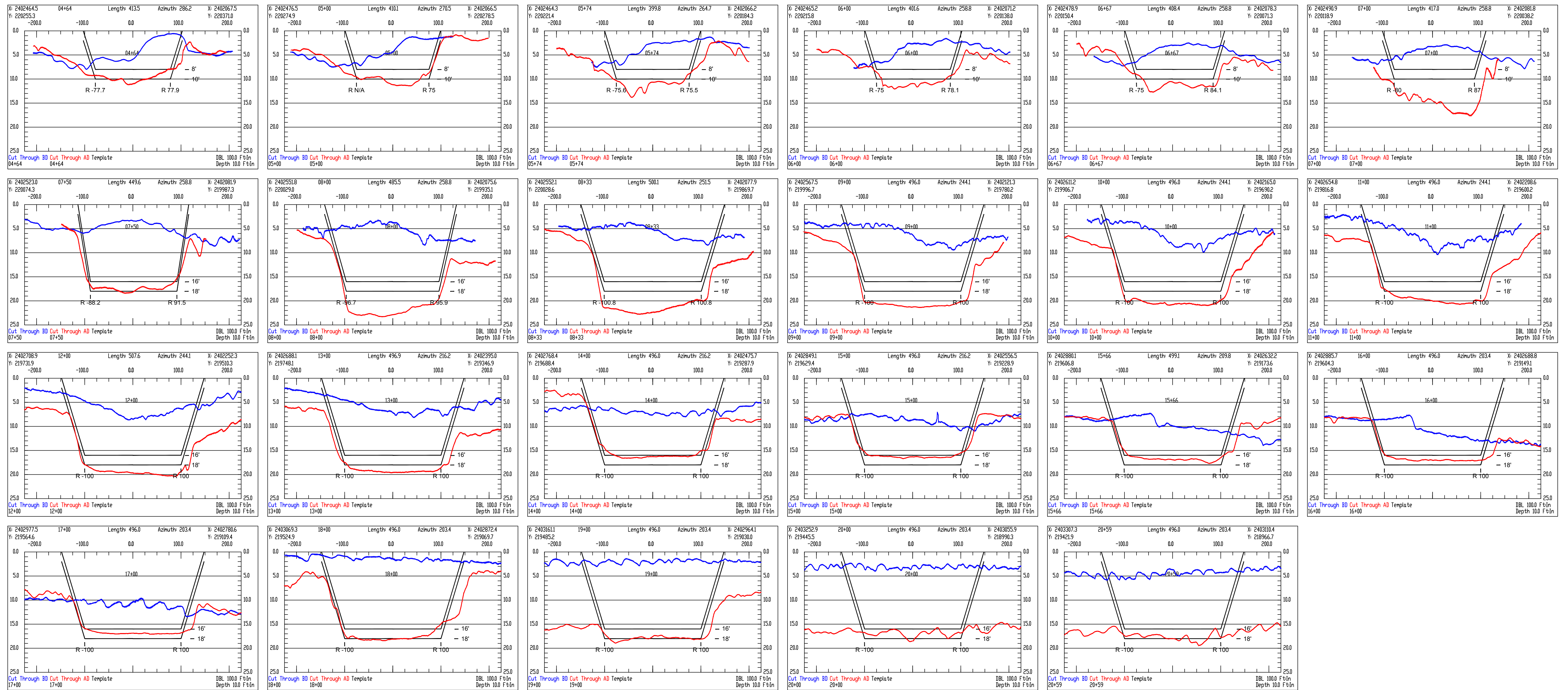
Plan View - Creek Dredge Channels and Control

Notes:

1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
2. Vertical Datum: NAVD88 for Beach; MLW for Channels
3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
4. All depths and elevations are expressed as in feet and tenths.
5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg	
DWG DATE: March 4, 2024	SURVEY DATE: February 2024
SCALE: 1" = 200'	SHEET: 20 OF 25

Christian L. Gibson, P.E. No. 026273



TOWN OF TOPSAIL BEACH
2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

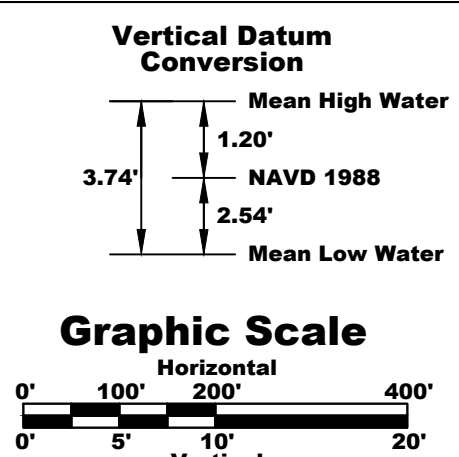
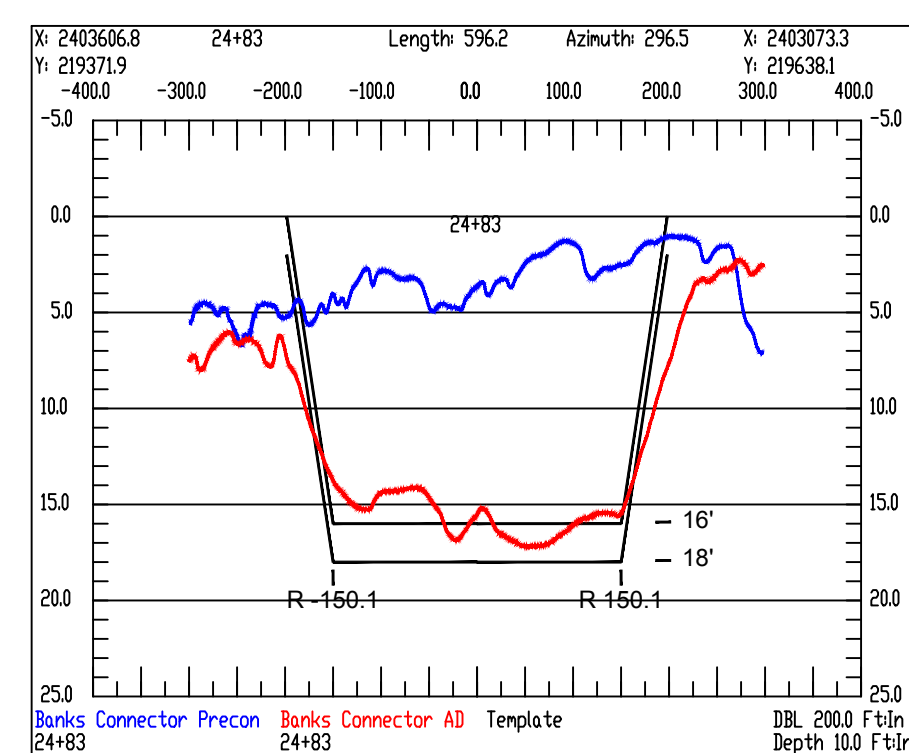
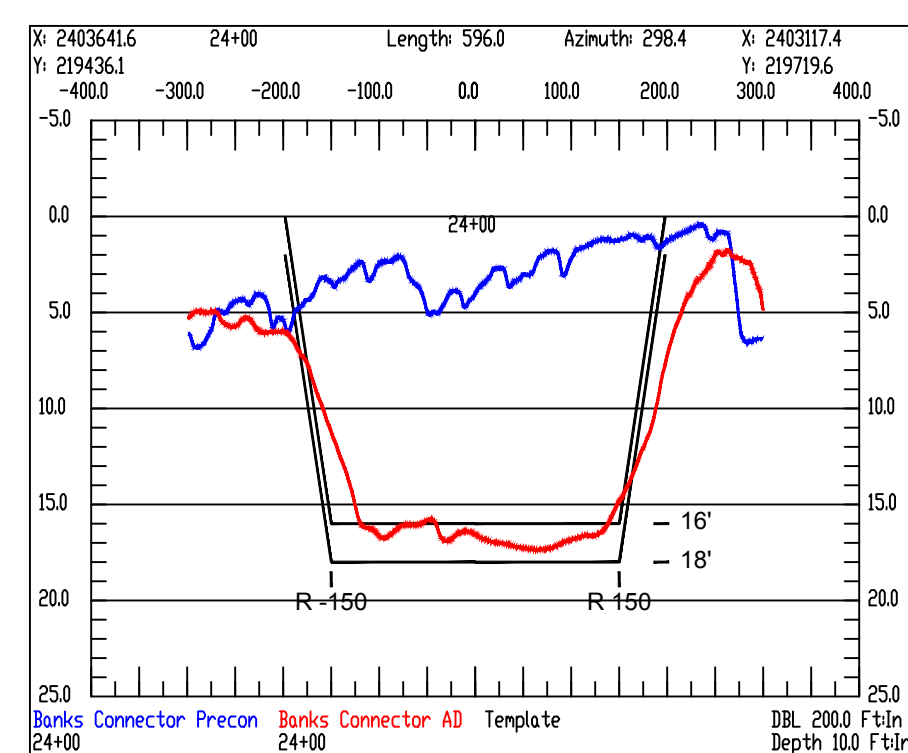
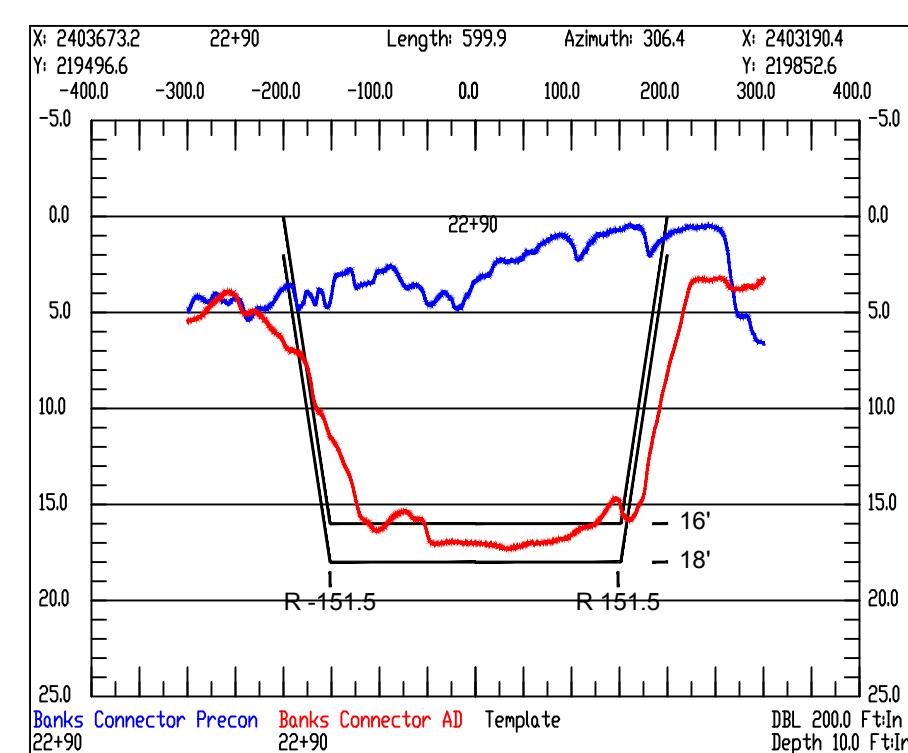
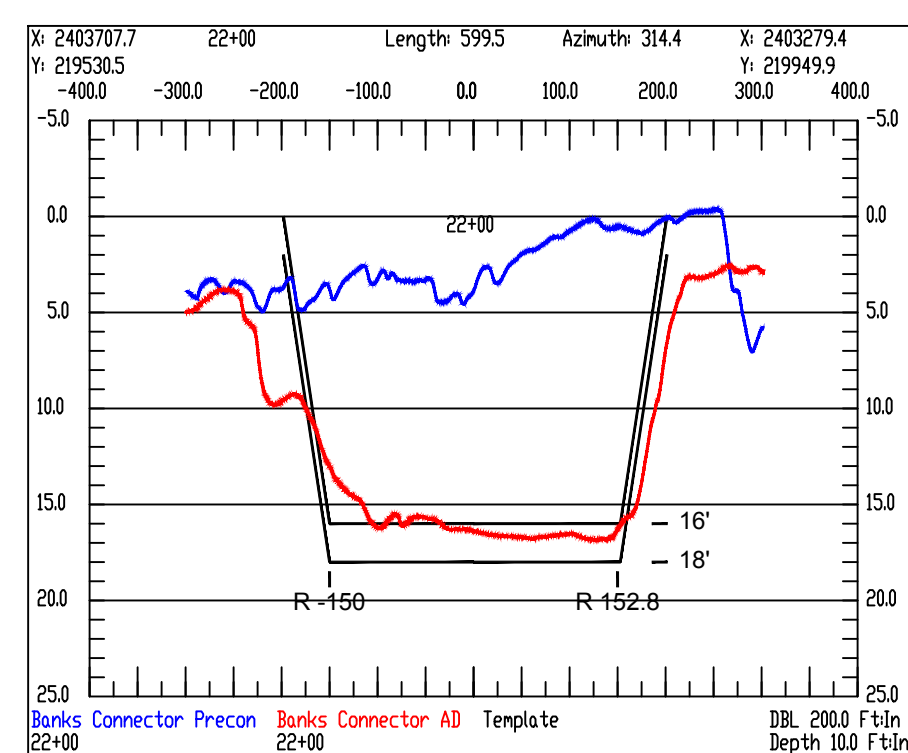
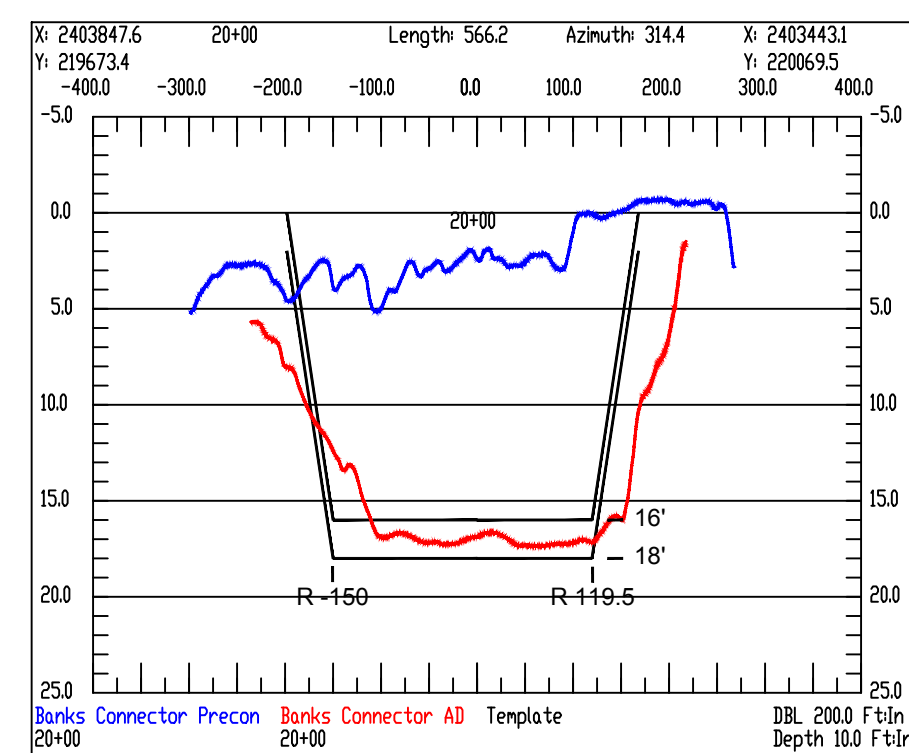
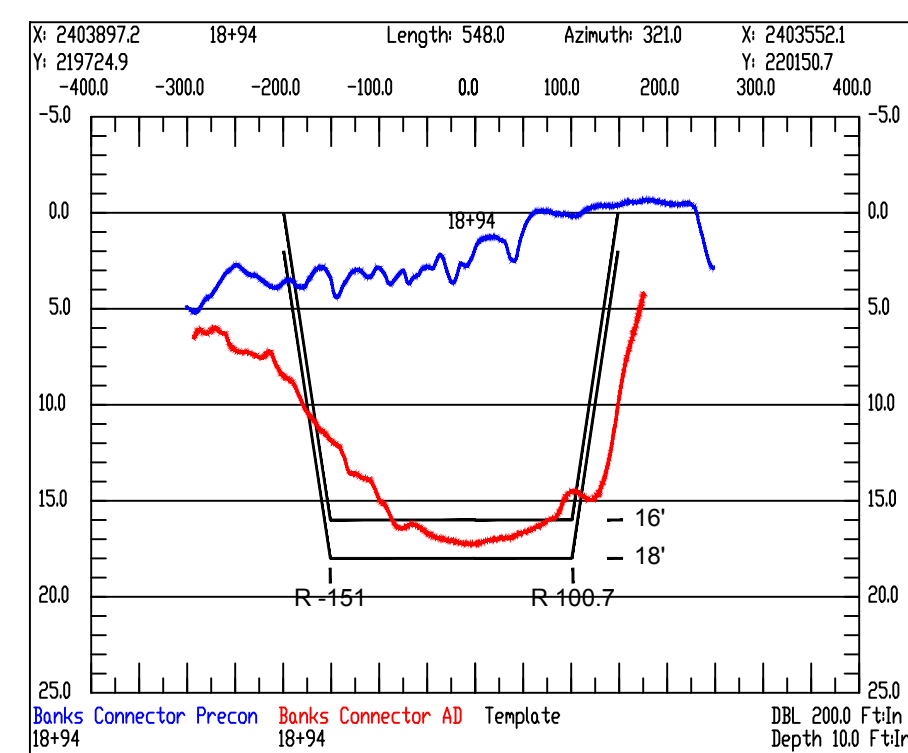
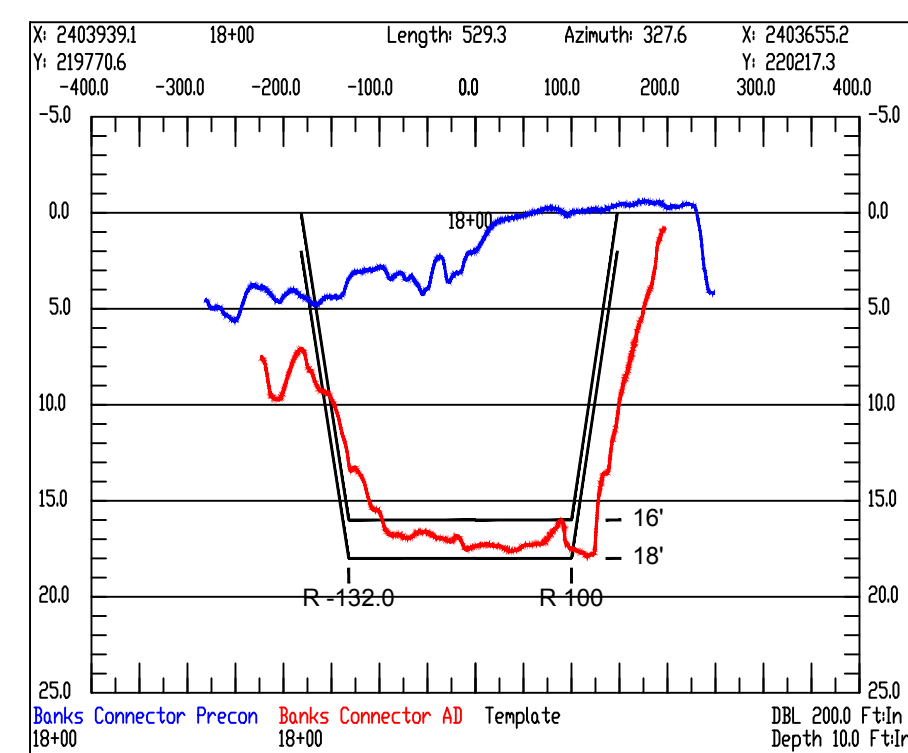
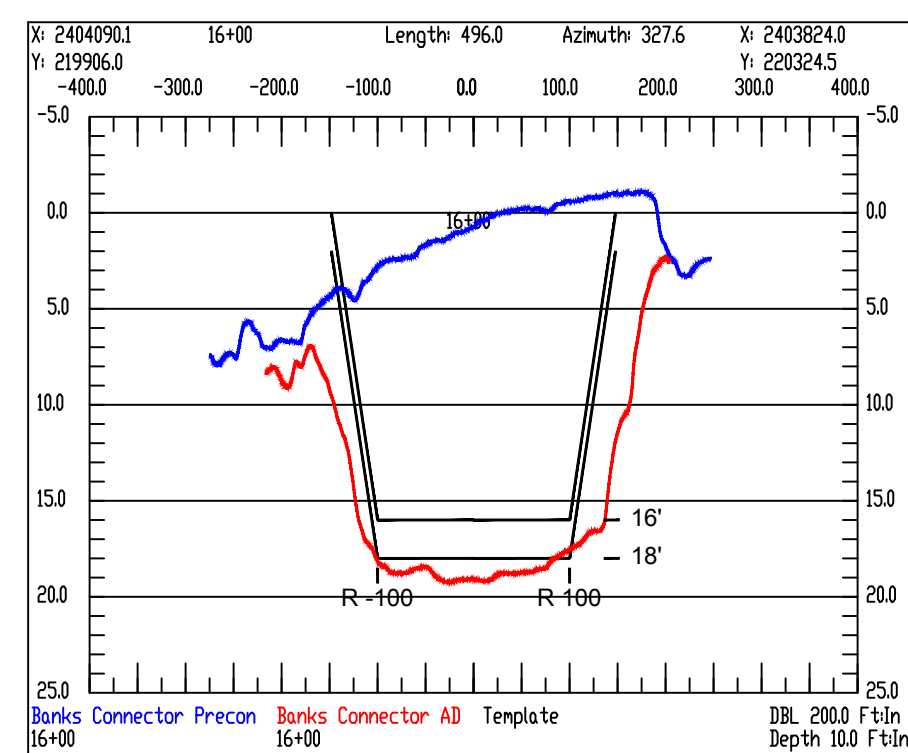
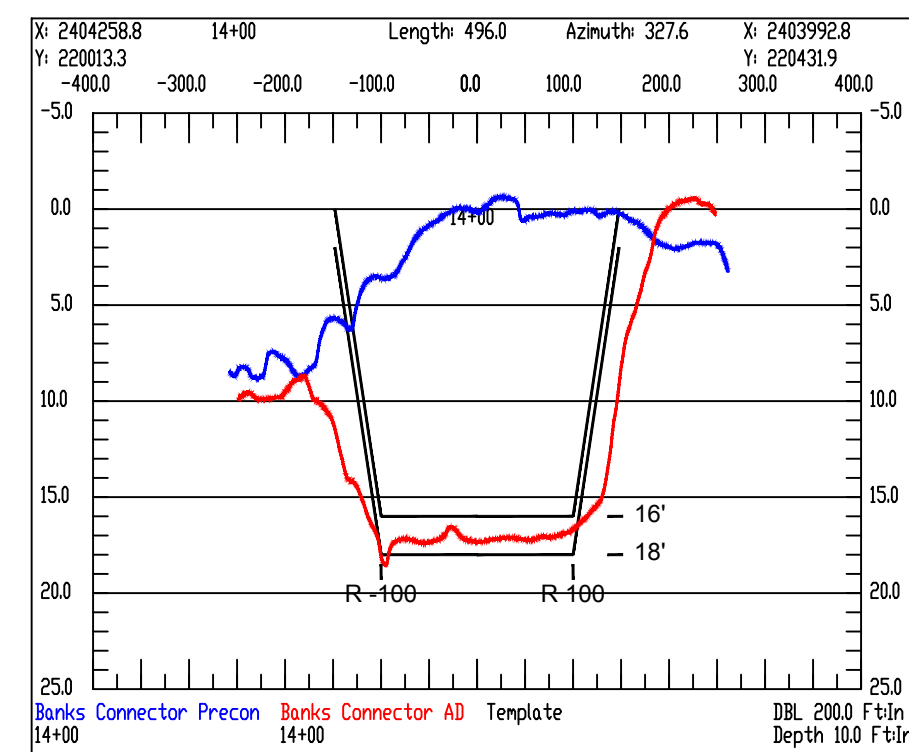
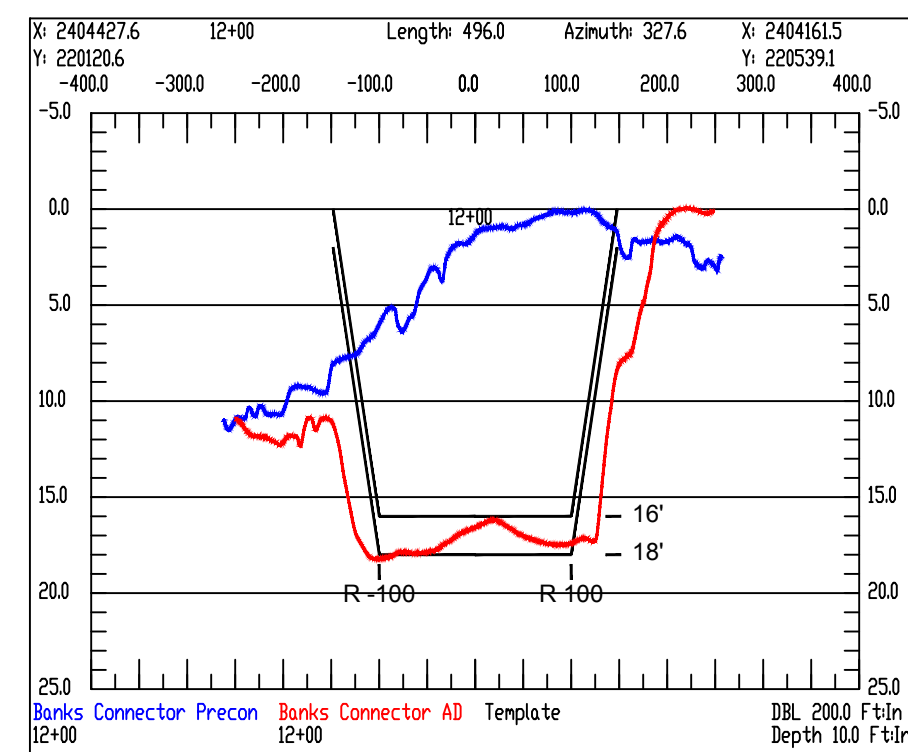
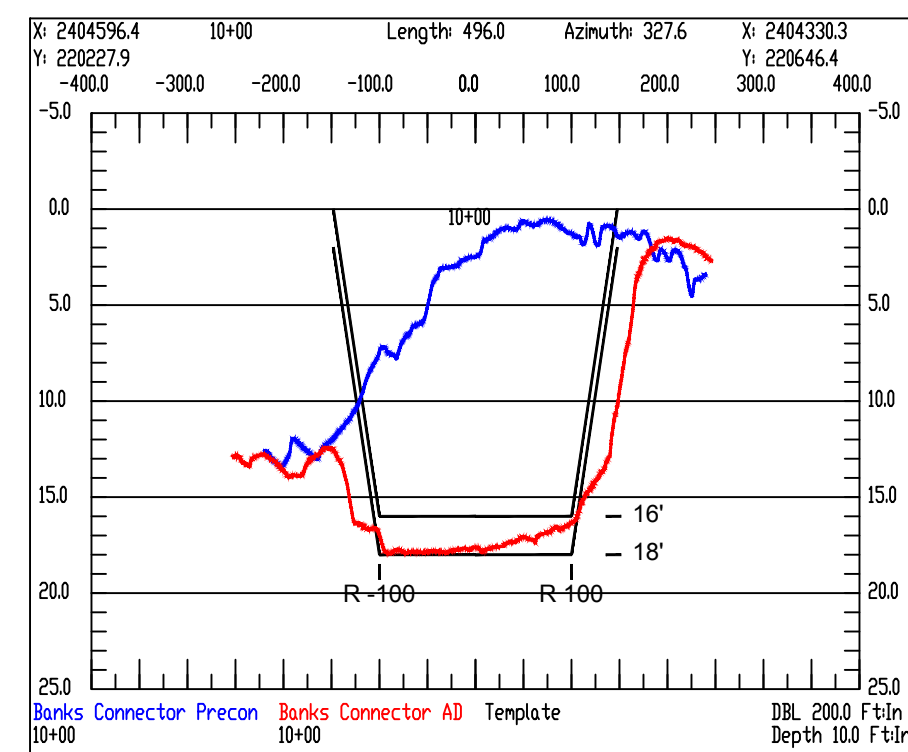
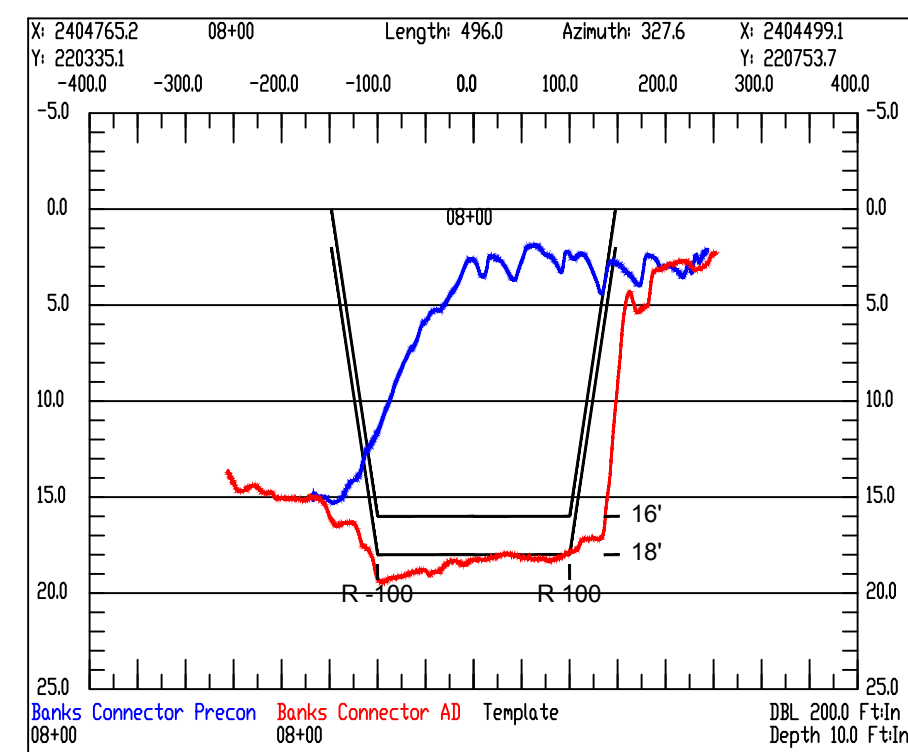
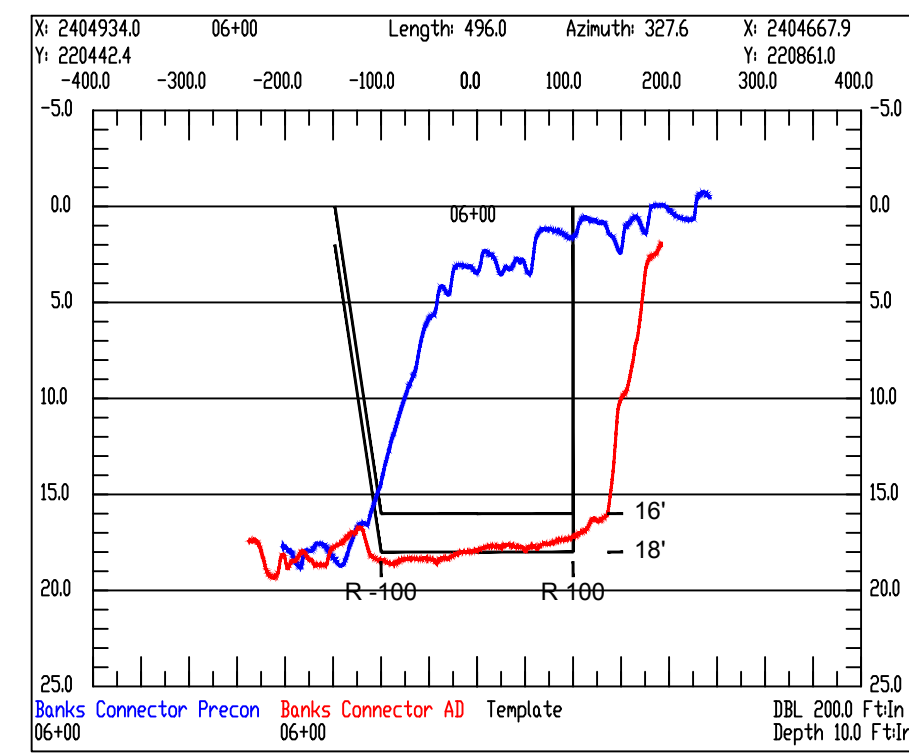
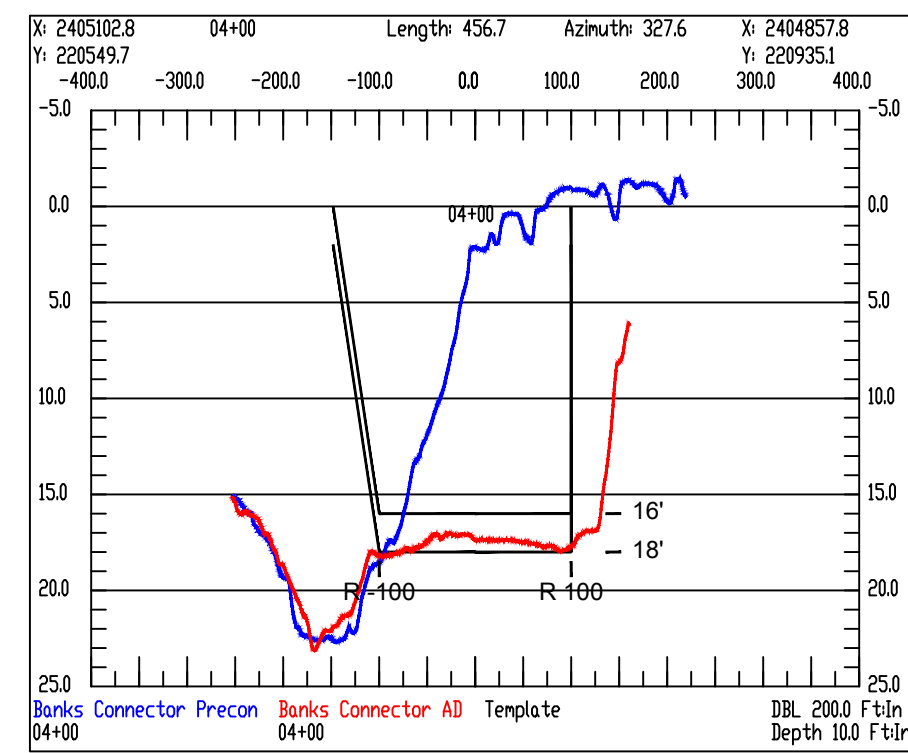
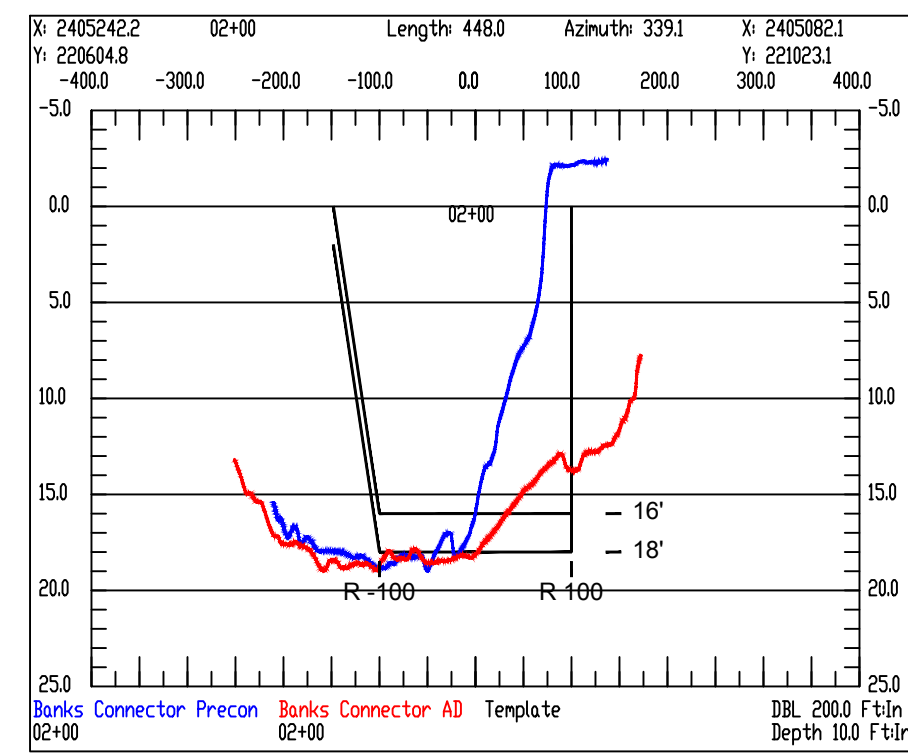
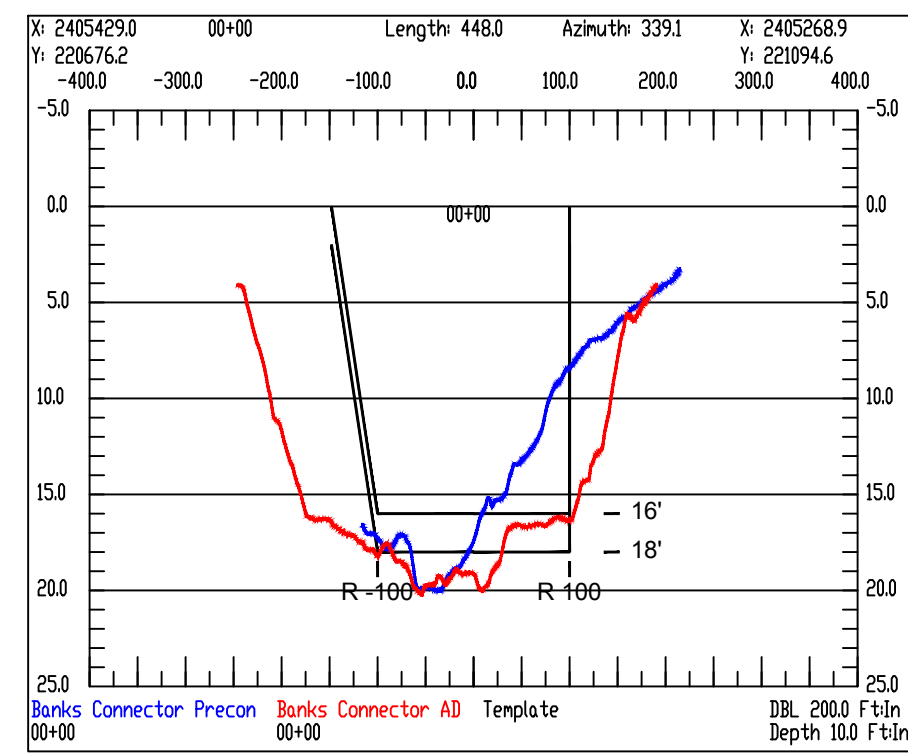
Beach, Inlet, & Sound Maintenance Project

Station 4+64 to 20+59 - Cut Through Cross Sections

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg
 DWG DATE: March 4, 2024
 SURVEY DATE: February 2024
 SCALE: As Shown
 SHEET: 21 OF 25

Christian L. Gibson, P.E. No. 026273



TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT

Pender County, NC

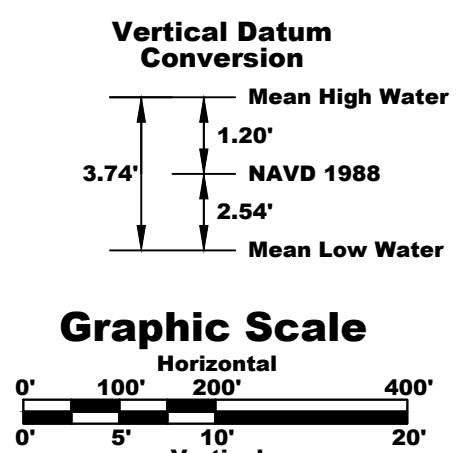
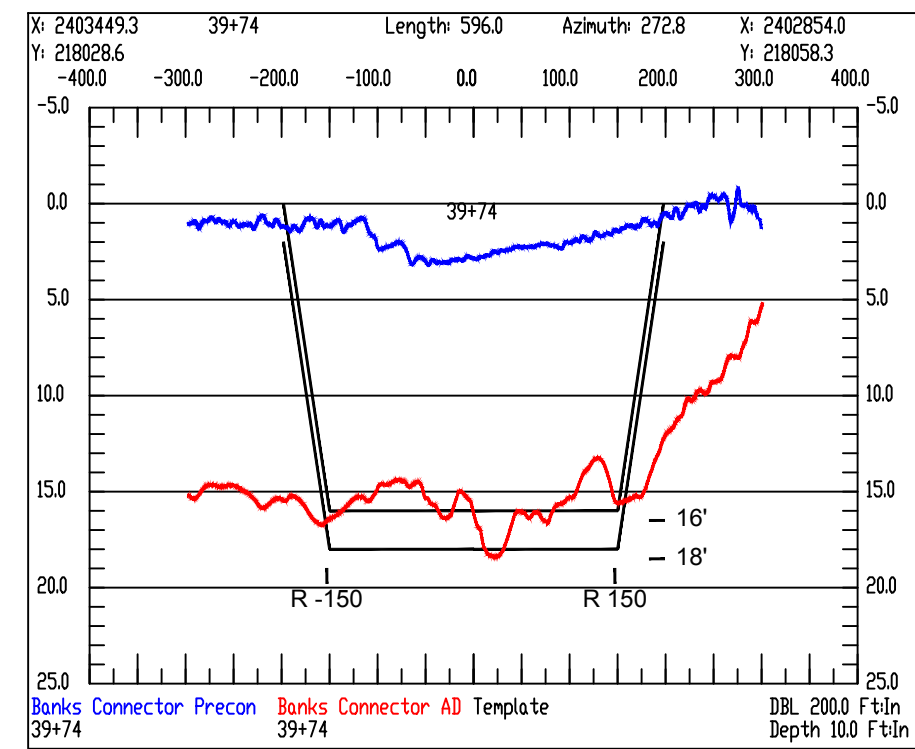
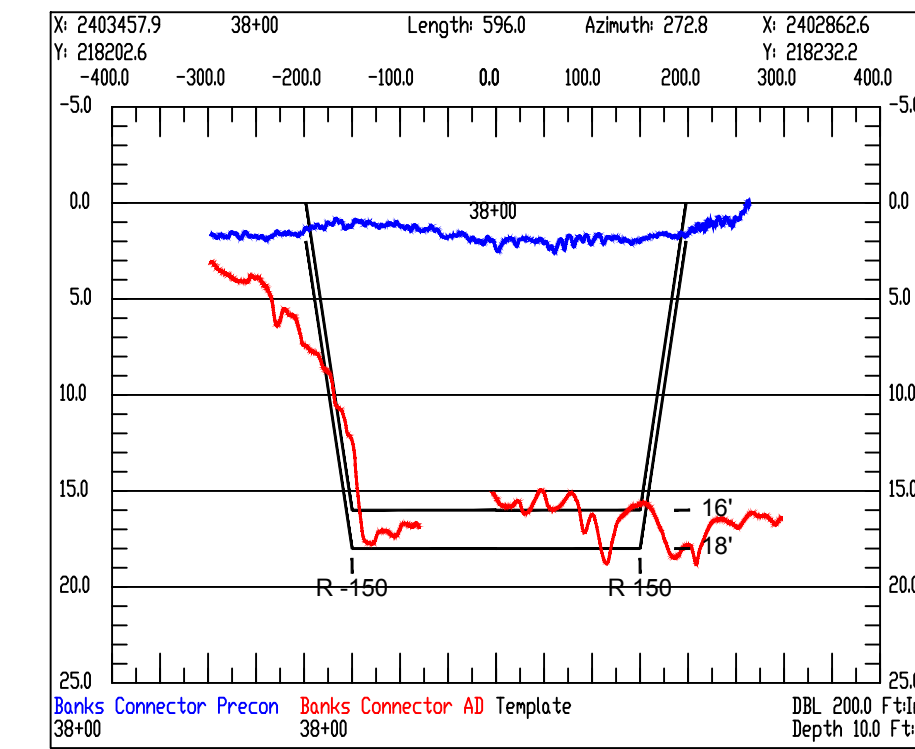
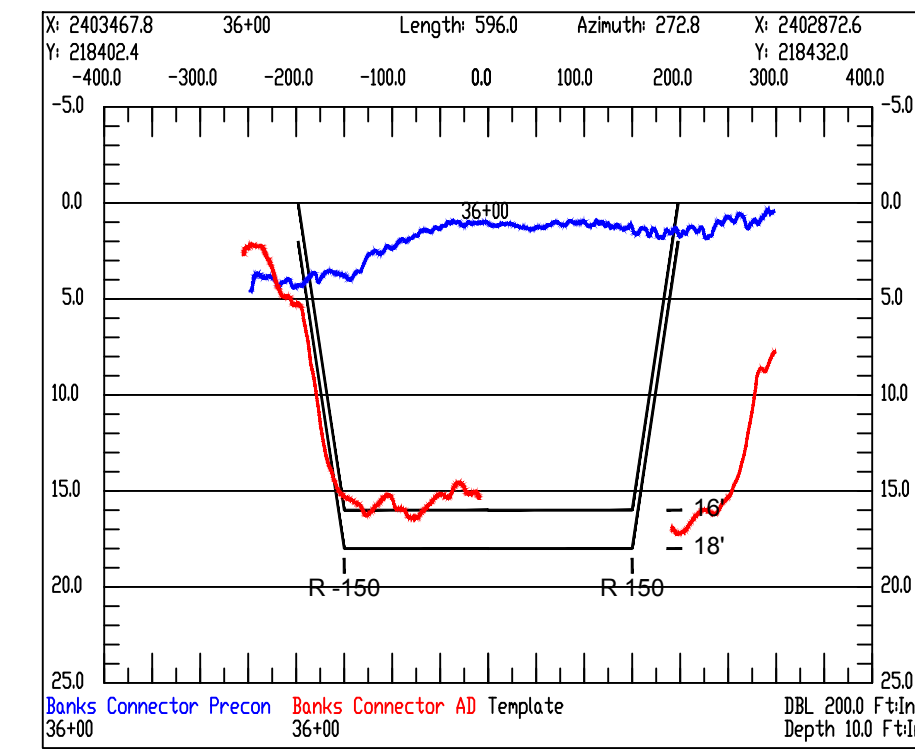
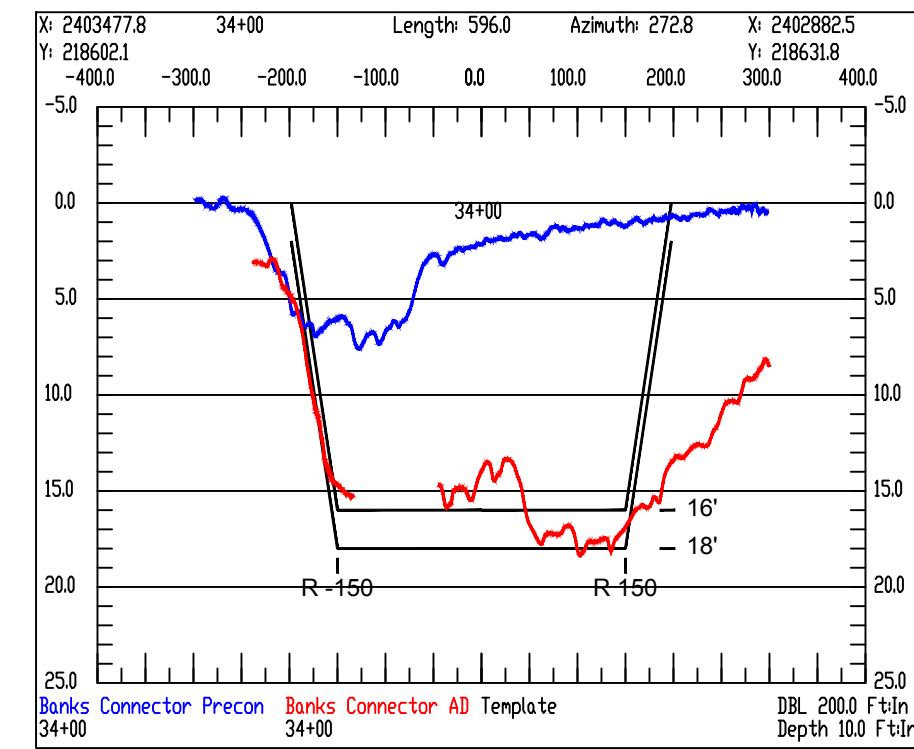
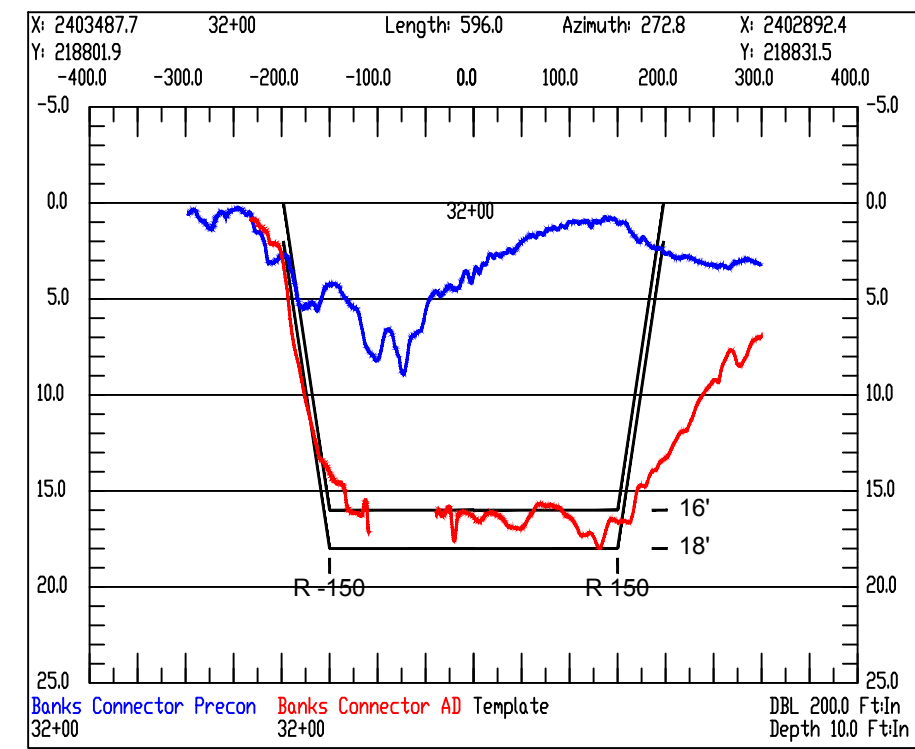
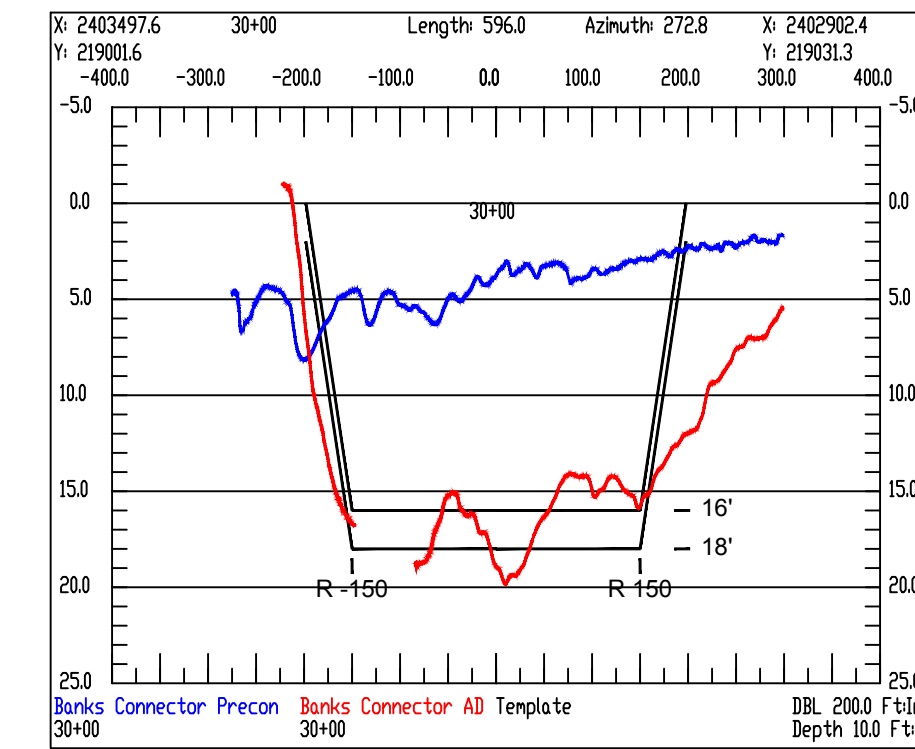
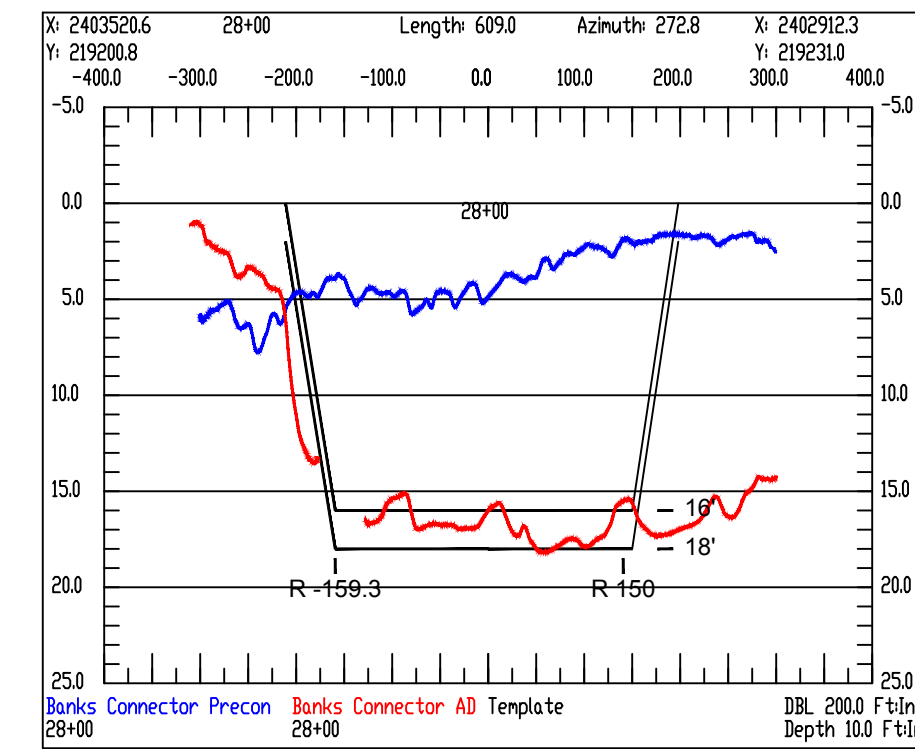
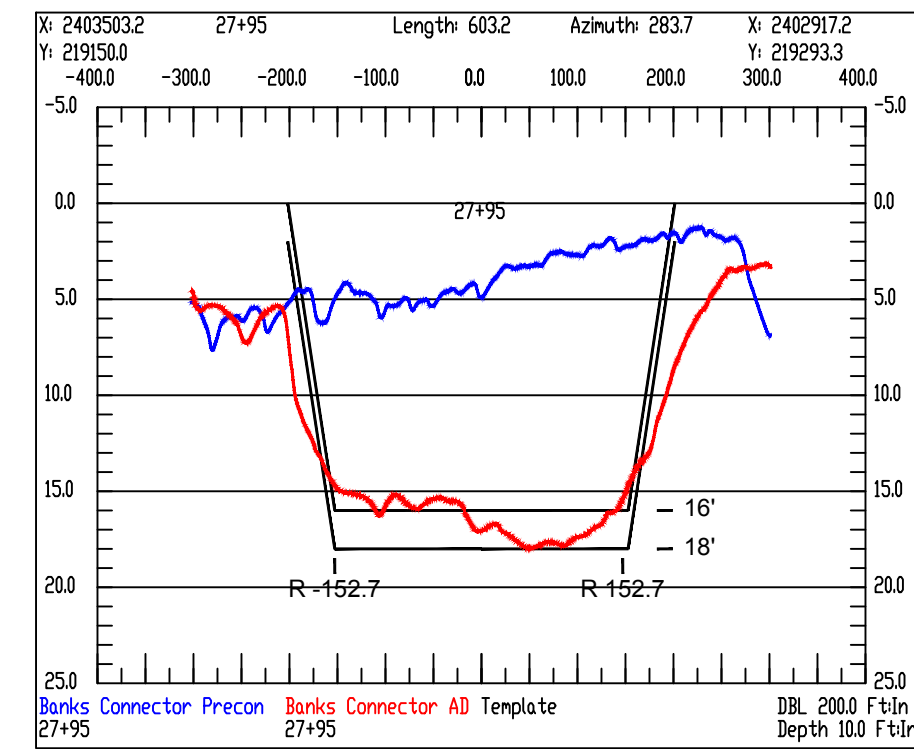
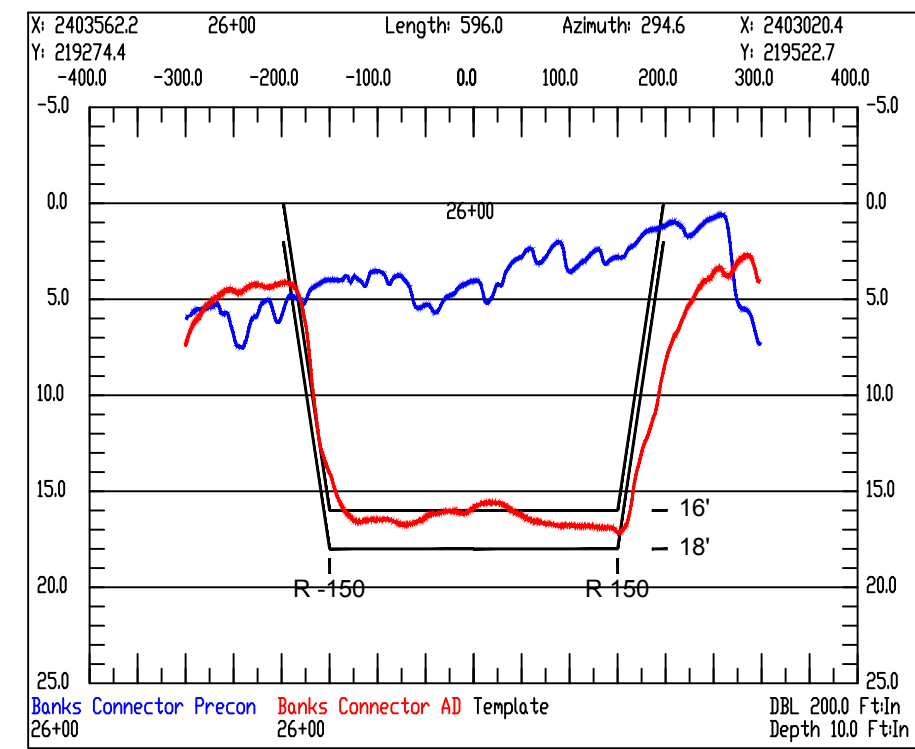
Beach, Inlet, & Sound Maintenance Project

Station 0+00 to 24+83 - Banks Connector Channel Cross Sections

Christian L. Gibson, P.E. No. 026273

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg	
DWG DATE: March 4, 2024	SURVEY DATE: February 2024
SCALE: As Shown	SHEET: 22 OF 25



TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

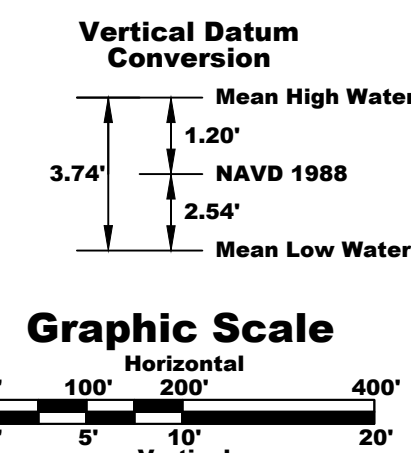
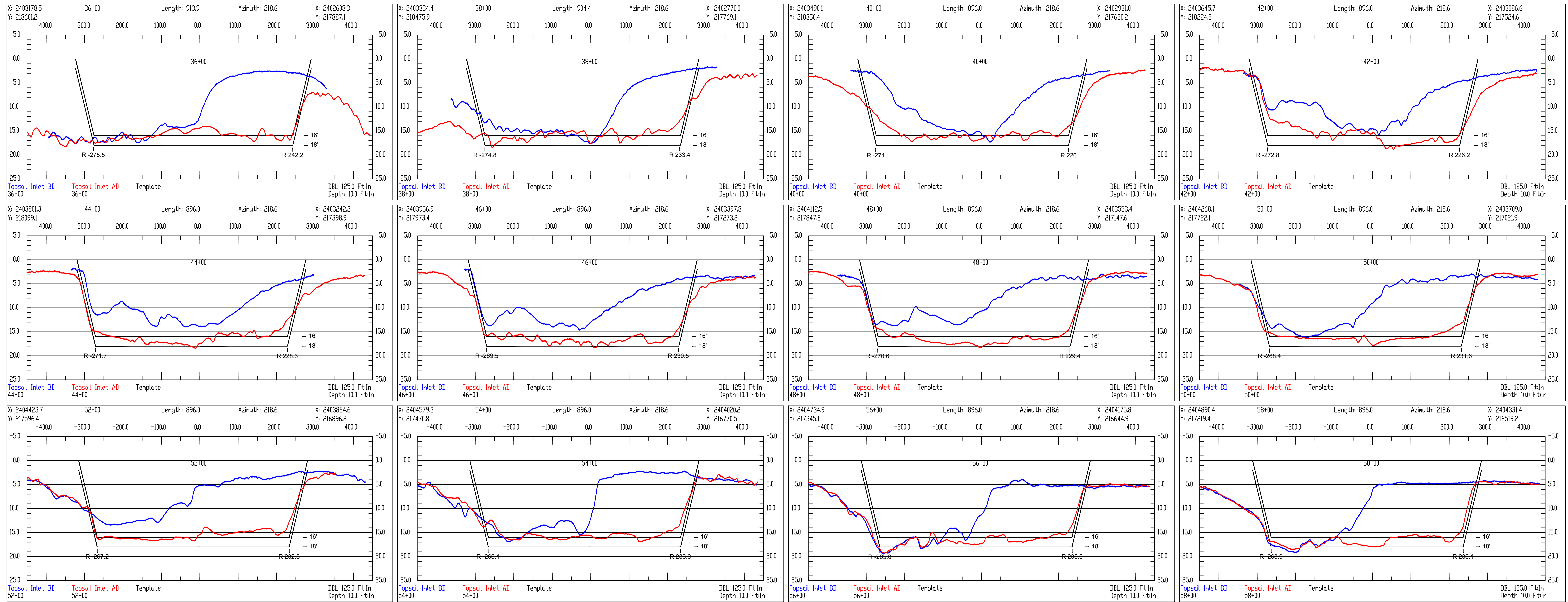
Beach, Inlet, & Sound Maintenance Project

Station 26+00 to 39+74 - Banks Connector Channel Cross Sections

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg	
DWG DATE: March 4, 2024	SURVEY DATE: February 2024
SCALE: As Shown	SHEET: 23 OF 25

Christian L. Gibson, P.E. No. 026273



TOWN OF TOPSAIL BEACH
 2023/2024 BEACH NOURISHMENT PROJECT
 Pender County, NC

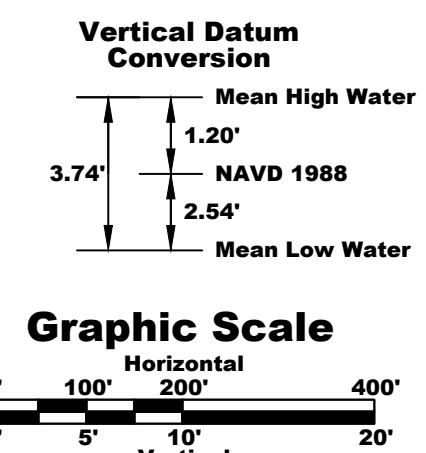
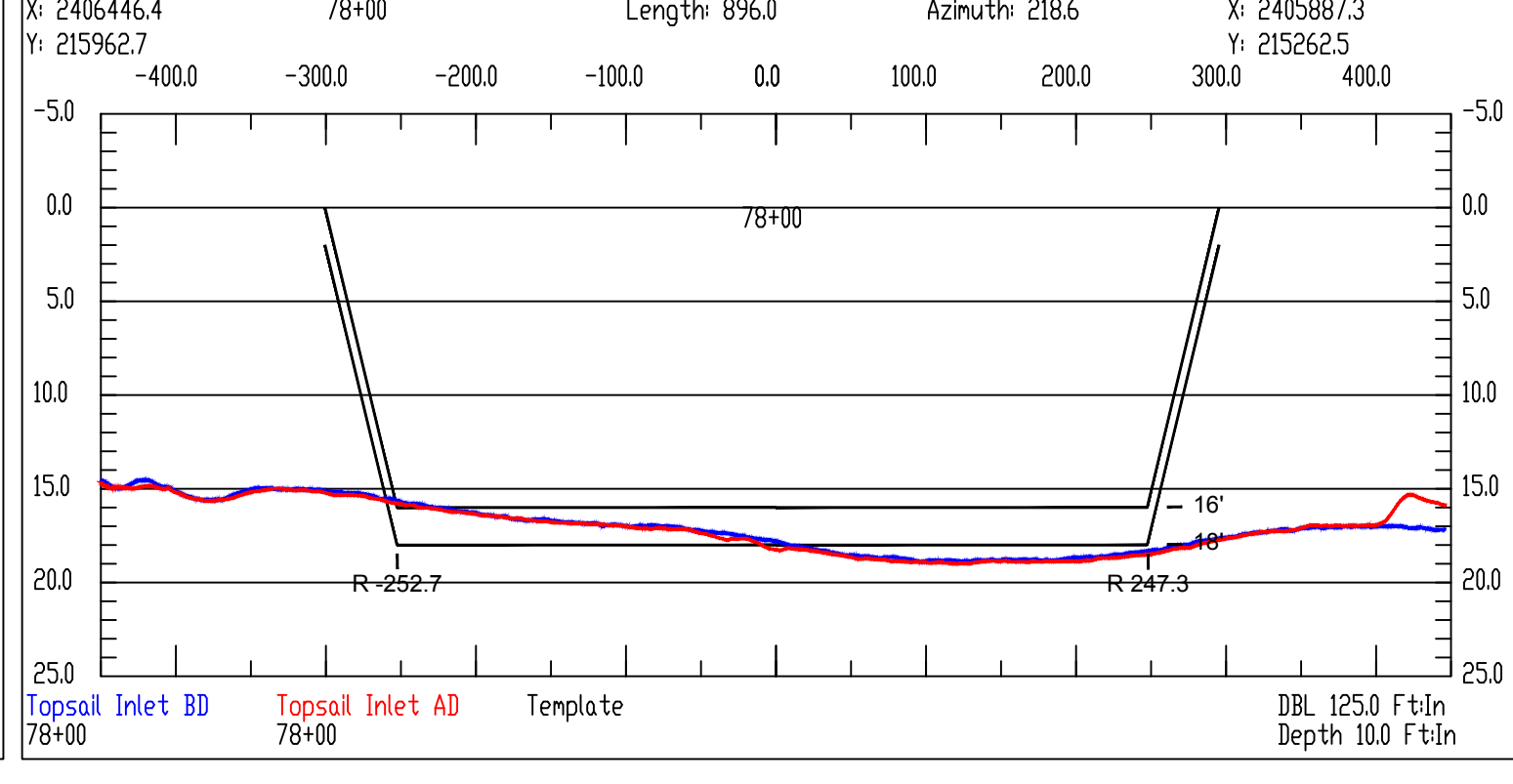
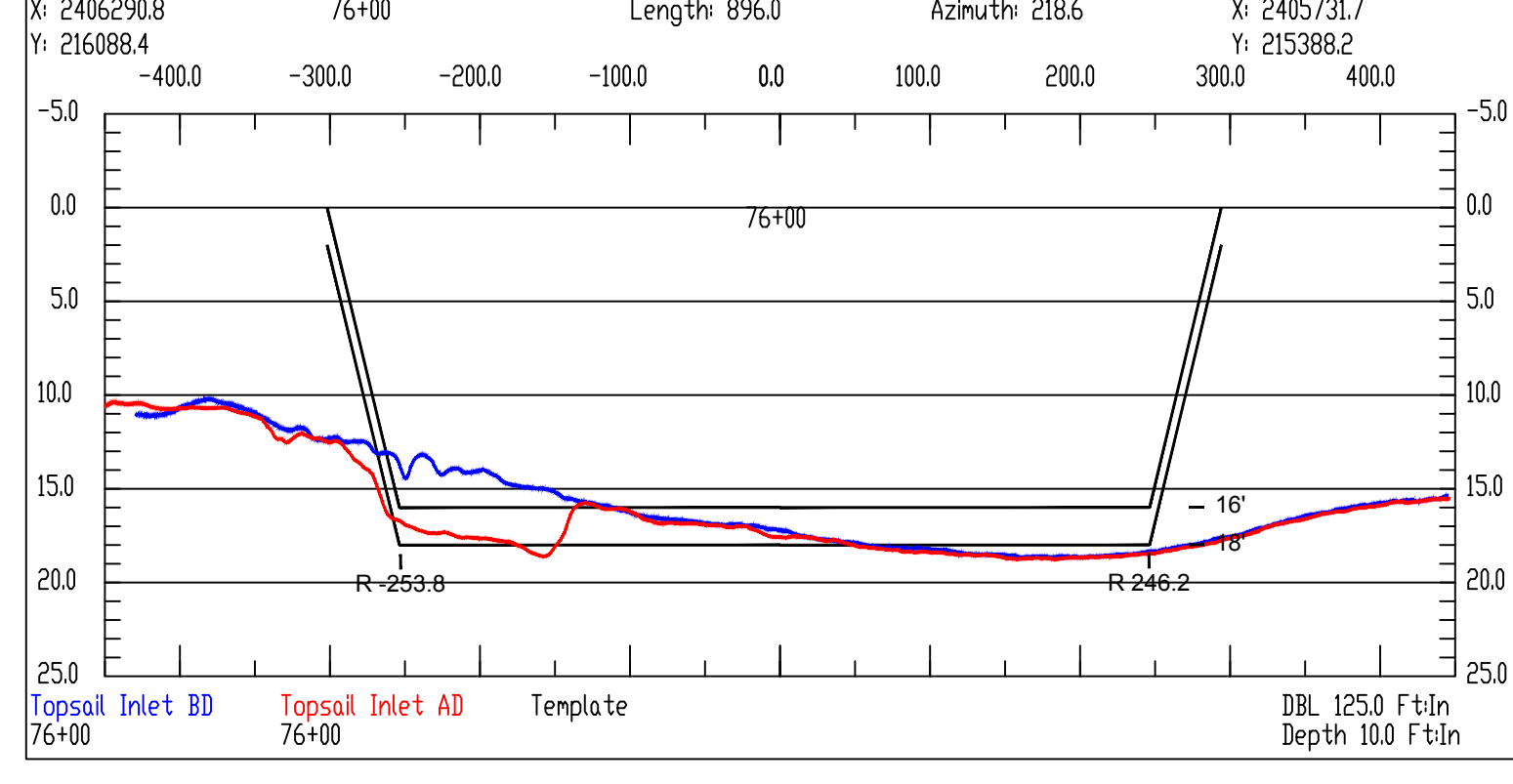
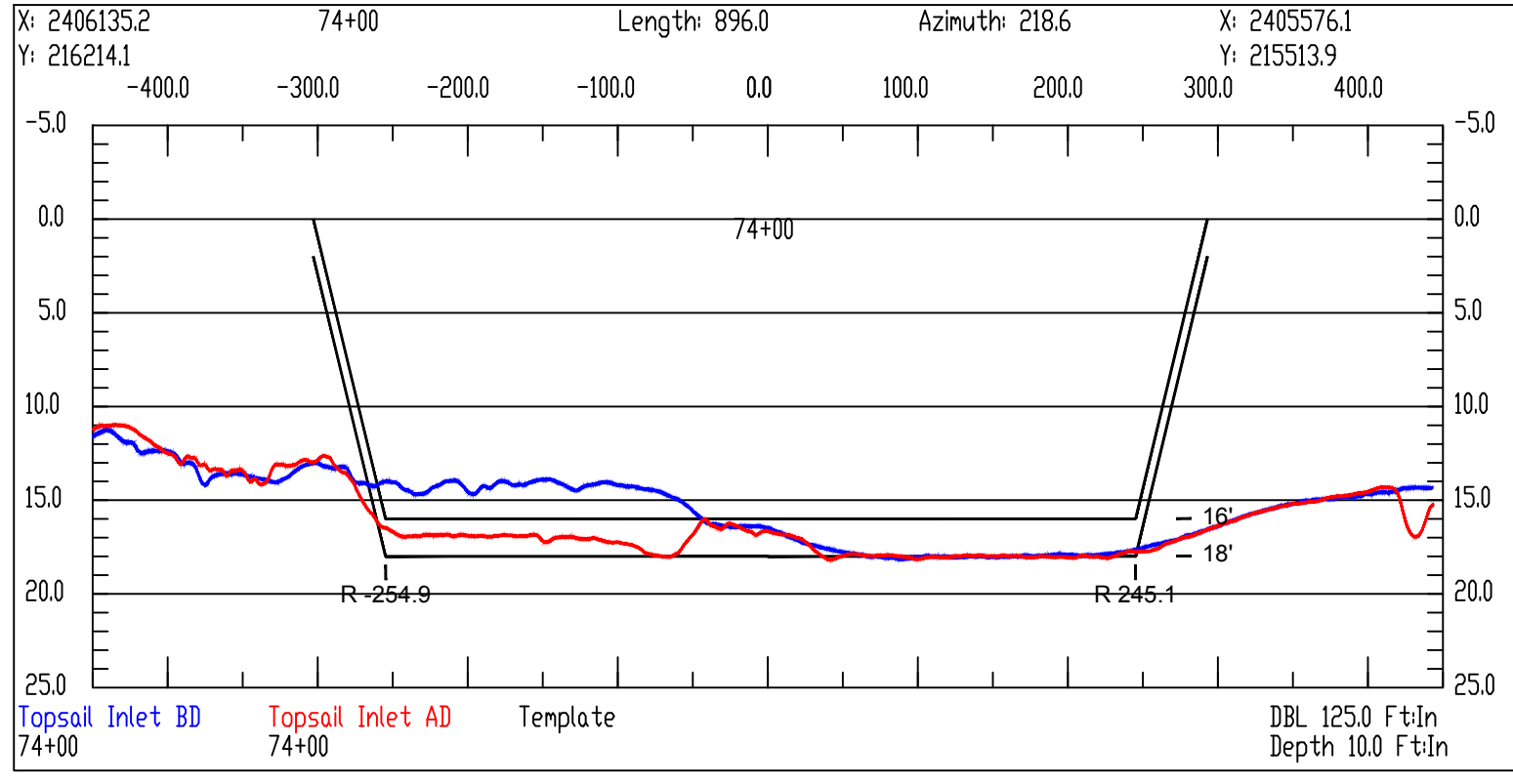
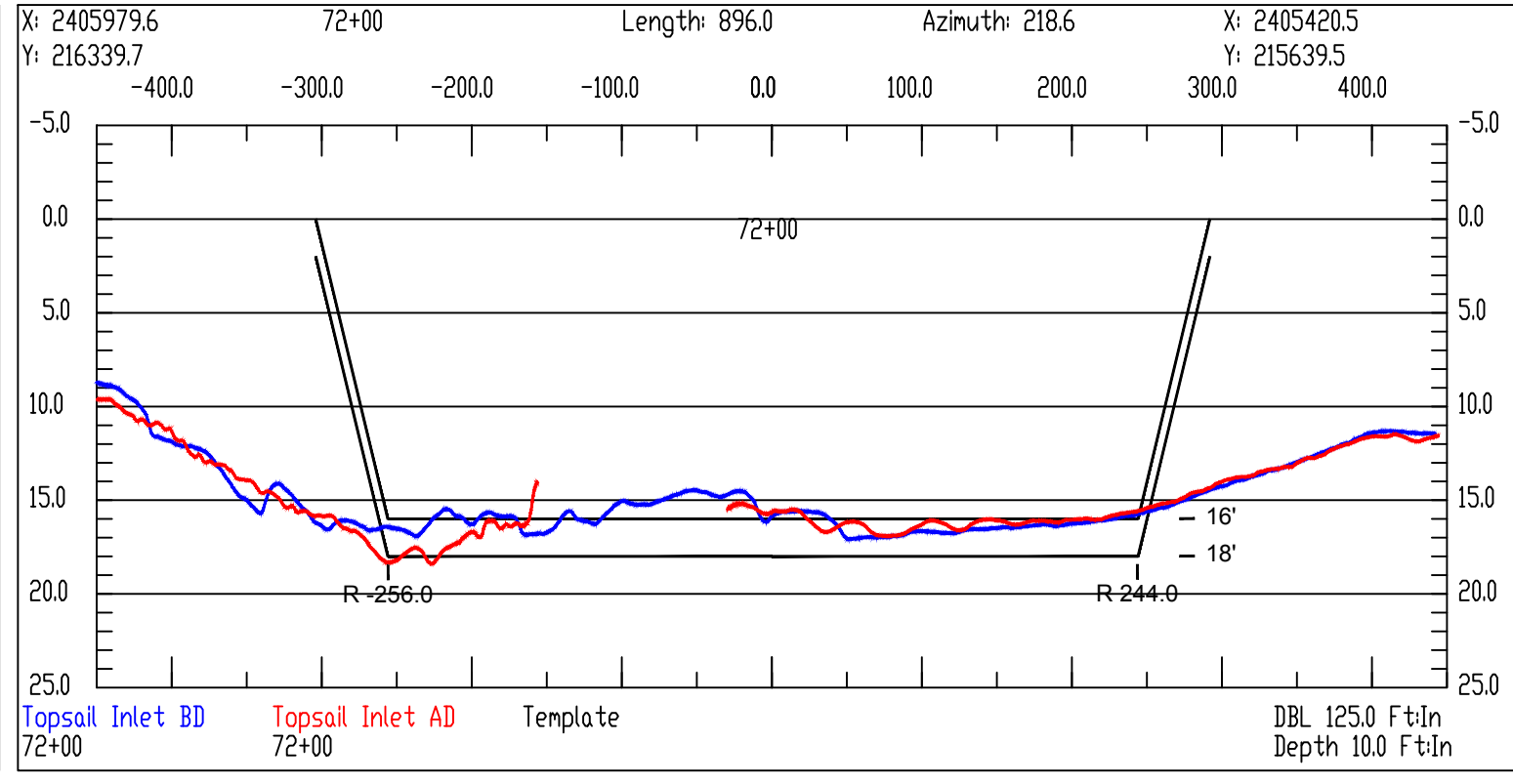
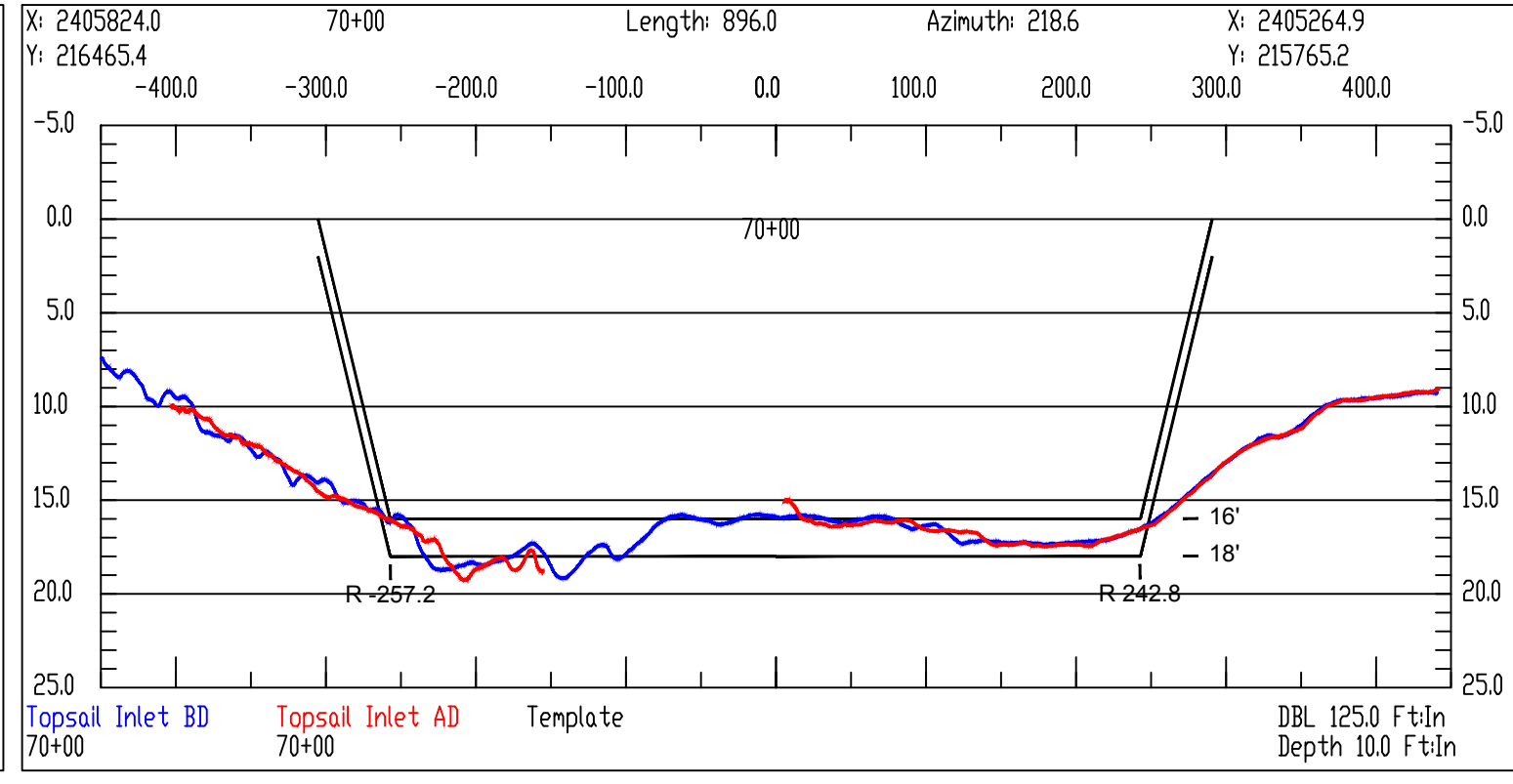
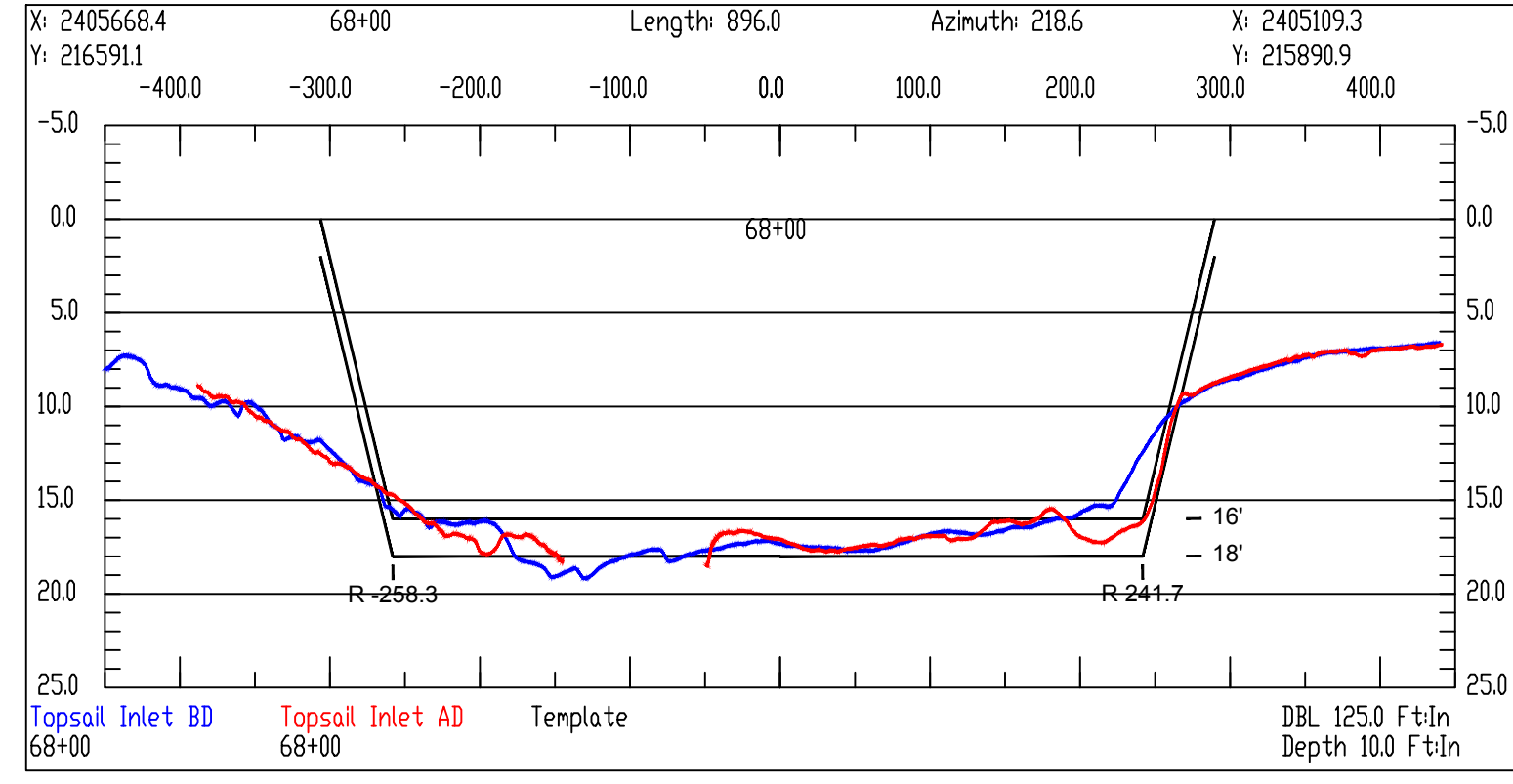
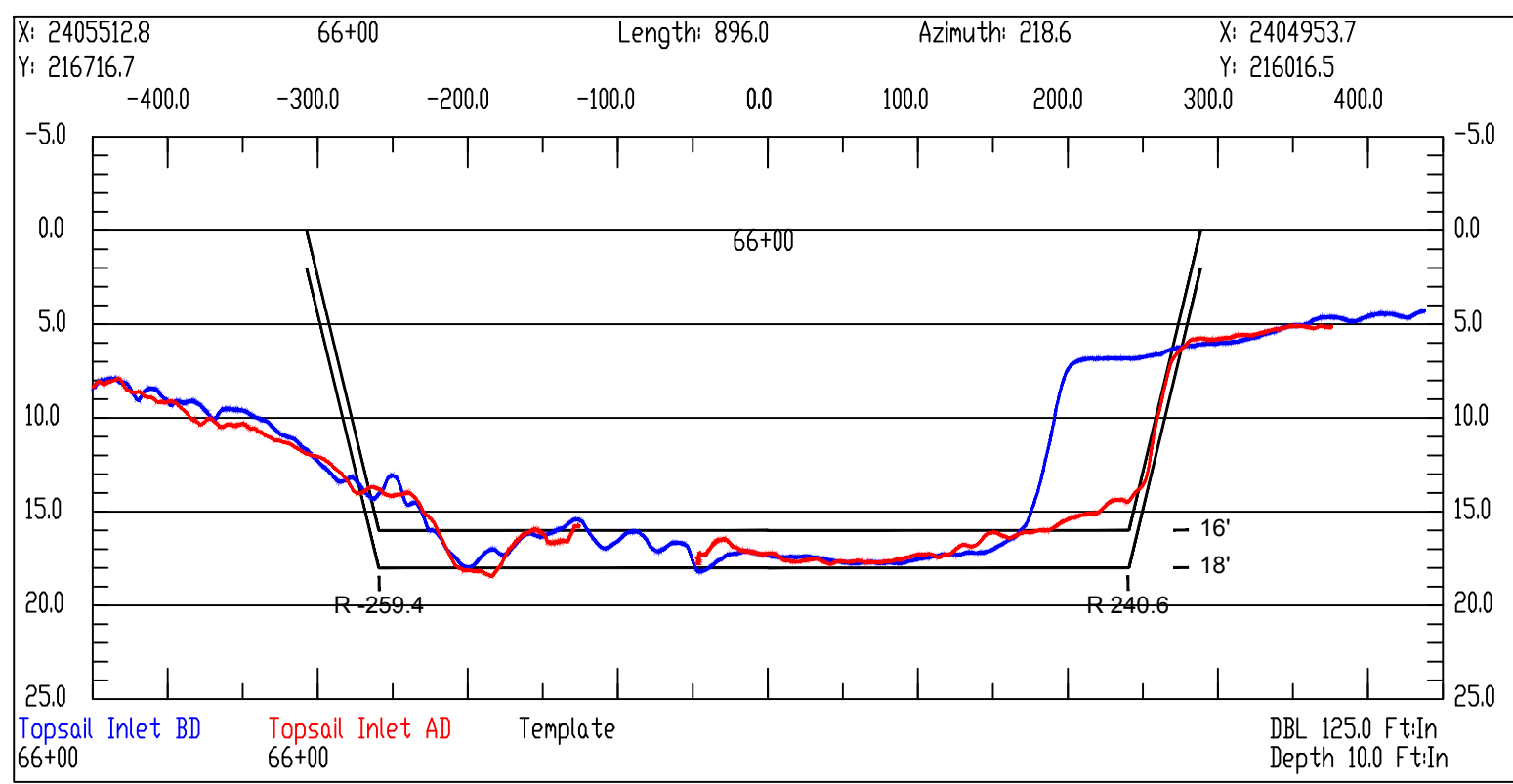
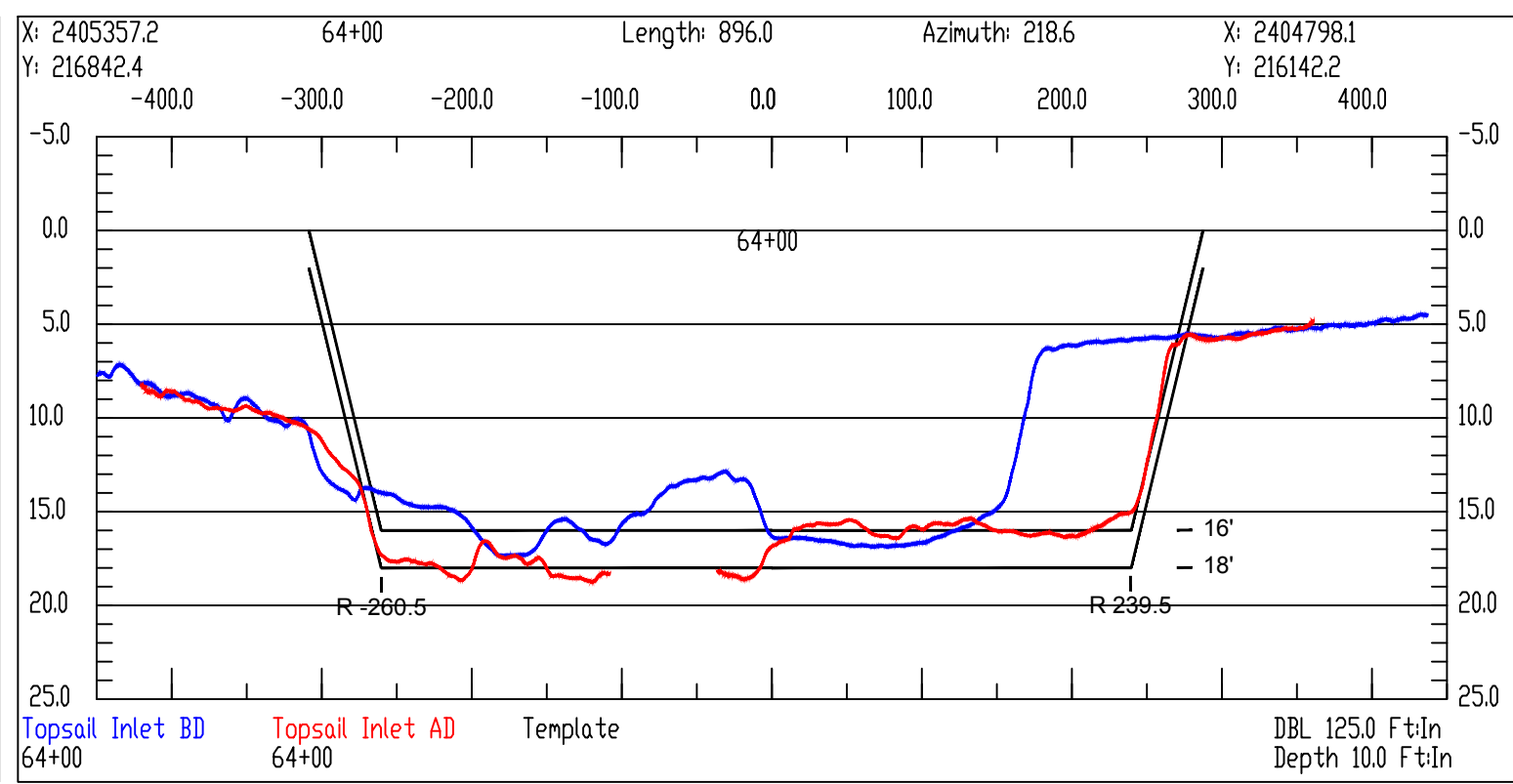
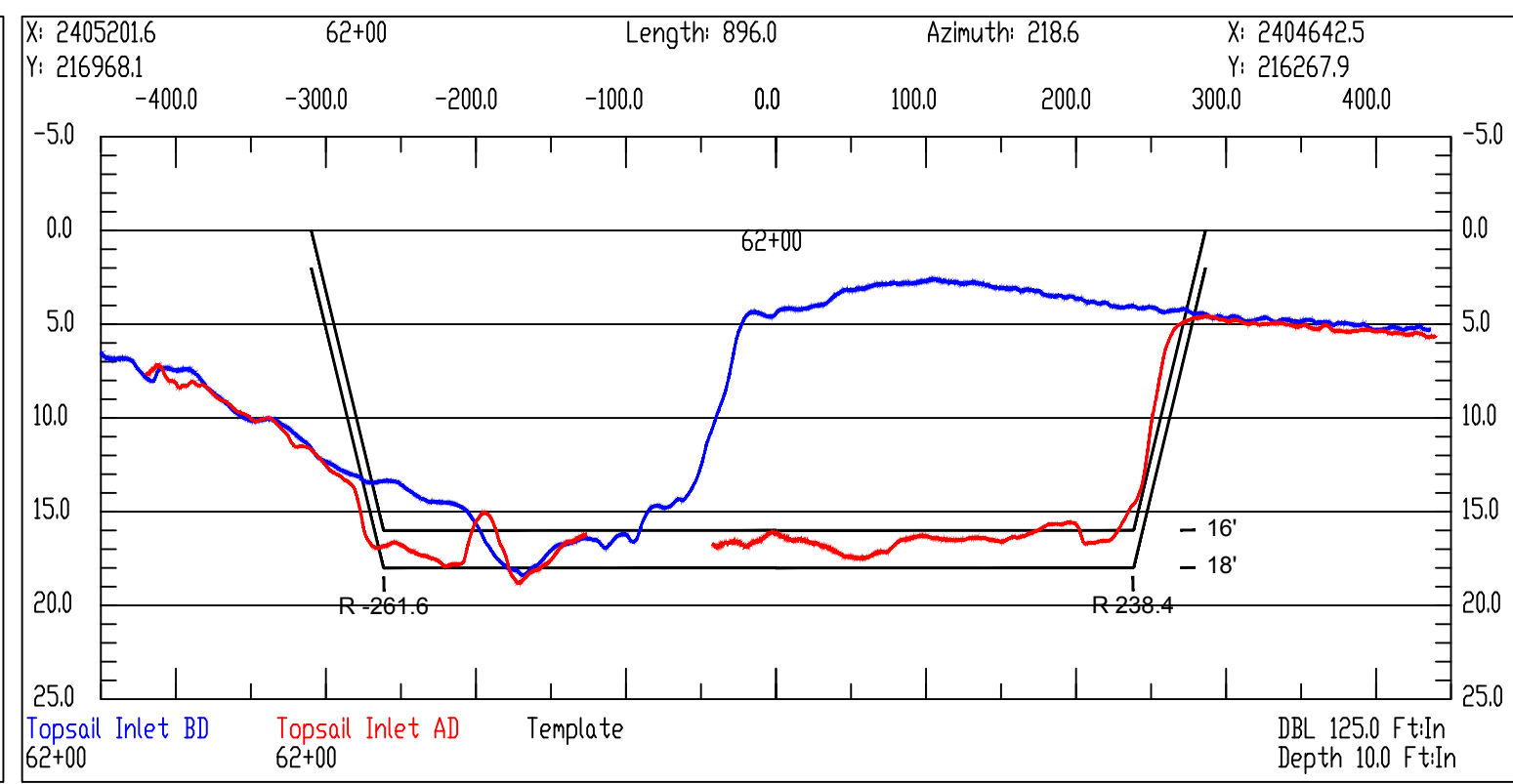
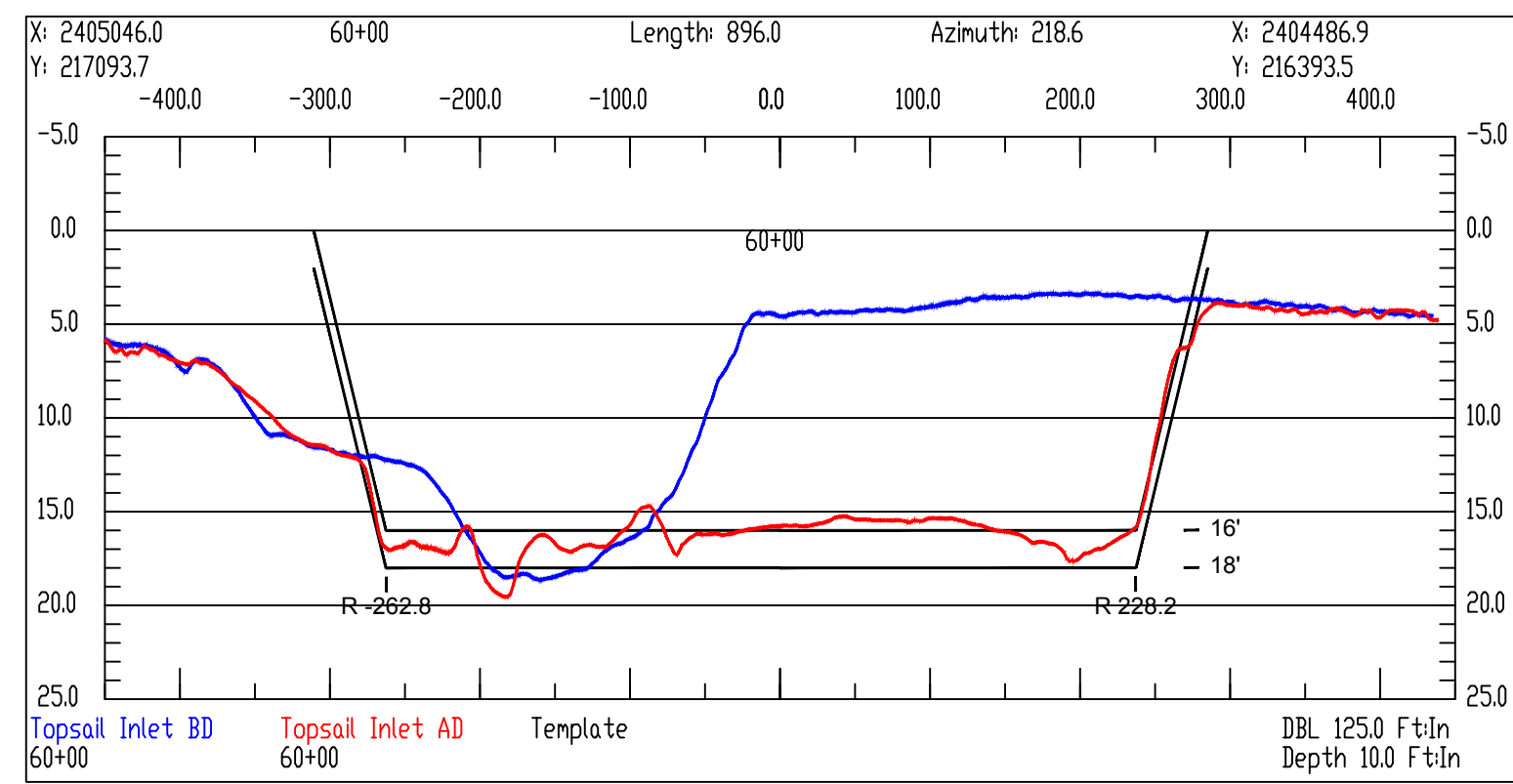
Beach, Inlet, & Sound Maintenance Project

Station 36+00 to 58+00 - New Topsail Inlet Cross Sections

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg	
DWG DATE: March 4, 2024	SURVEY DATE: February 2024
SCALE: As Shown	SHEET: 24 OF 24

Christian L. Gibson, P.E. No. 026273



TOWN OF TOPSAIL BEACH

2023/2024 BEACH NOURISHMENT PROJECT
Pender County, NC

Beach, Inlet, & Sound Maintenance Project

Station 60+00 to 78+00 - New Topsail Inlet Cross Sections

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83 (2011), Survey Feet
 2. Vertical Datum: NAVD88 for Beach; MLW for Channels
 3. Data collected by TI Coastal in February 2024 and represent conditions at that time.
 4. All depths and elevations are expressed as in feet and tenths.
 5. Aerial photography performed by TerraLina Mapping Consultants, Inc. on April 13, 2023 and represent conditions at that time.

DWG NAME: Topsail Beach Postcon Survey.dwg	
DWG DATE: March 4, 2024	SURVEY DATE: February 2024
SCALE: As Shown	SHEET: 25 OF 25

Christian L. Gibson, P.E. No. 026273