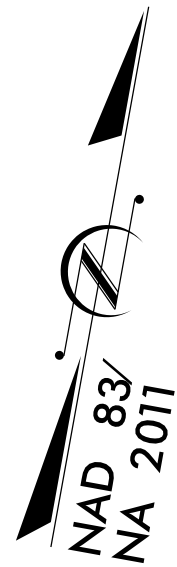


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5899	RW01	12

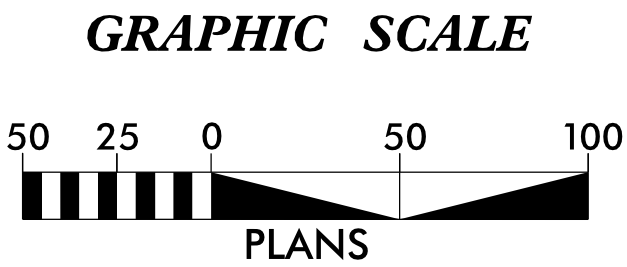
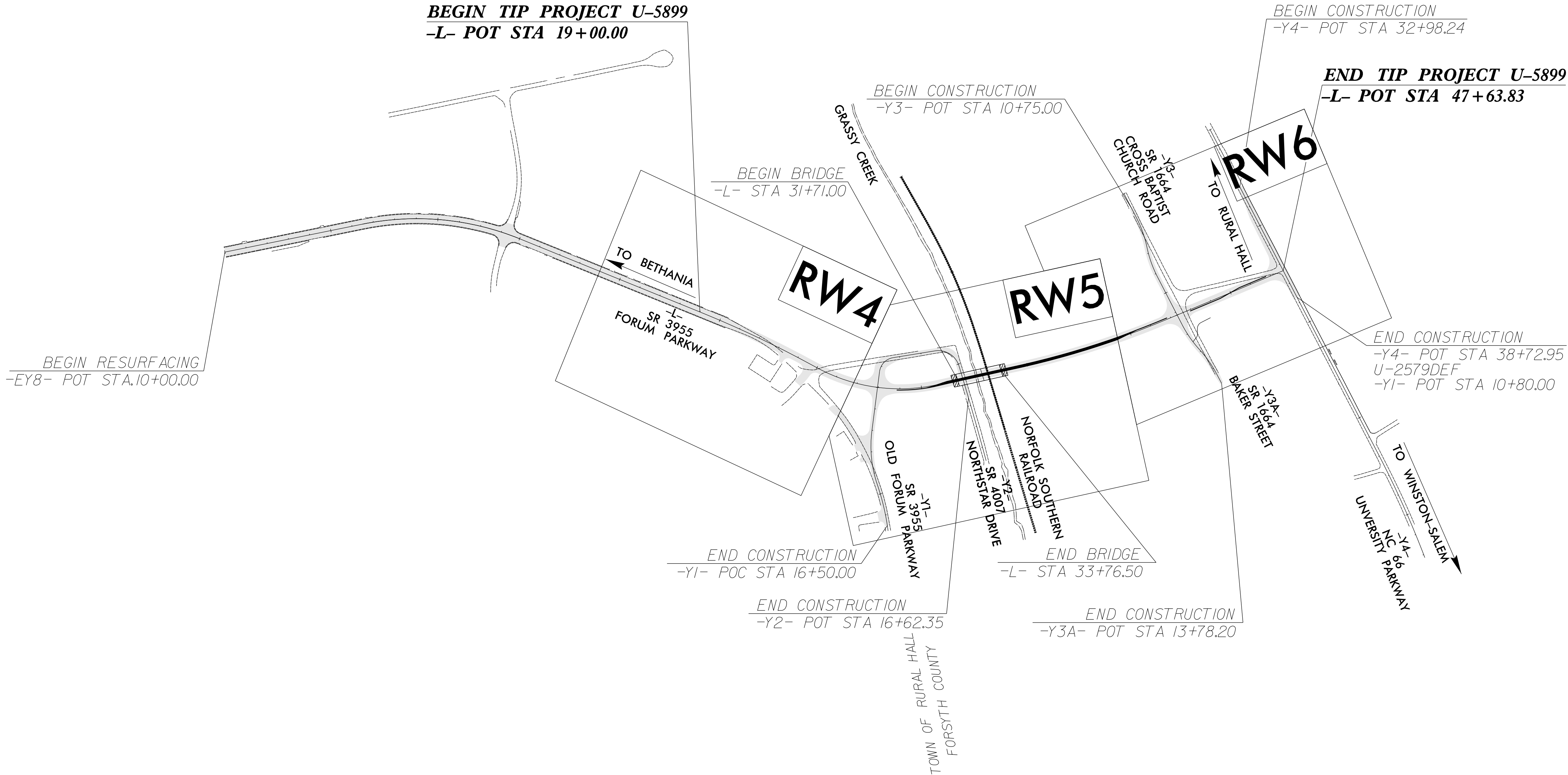
TIP PROJECT: U-5899



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

FORSYTH COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U2579C-1" WITH NAD 83/95 STATE PLANE GRID COORDINATES OF NORTHING: 876,419.285(ft) EASTING: 1,651,591.602(ft) ELEVATION: 976.94(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99995453 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U2579C-1" TO -L- STATION 10+00.00 IS N 55°54'26.39" W 40,490.89(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88 (GEOID 12BNC)

Prepared in the Office of:

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
02/11/2025

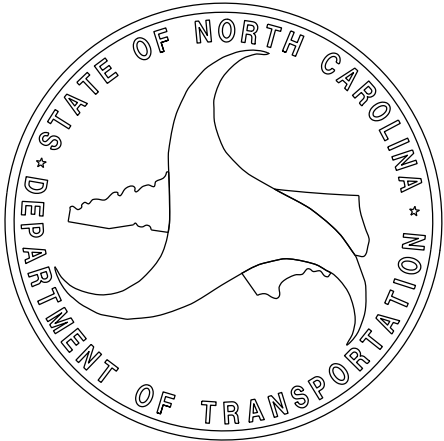
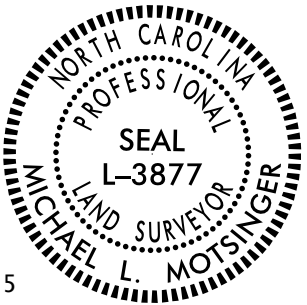
LETTING DATE:
06/17/2025

PROFESSIONAL LAND
SURVEYOR

DocuSigned by:
Michael L. Motzinger
F0B8F7E0E23C40E
SIGNATURE:

02/18/2025

Date:



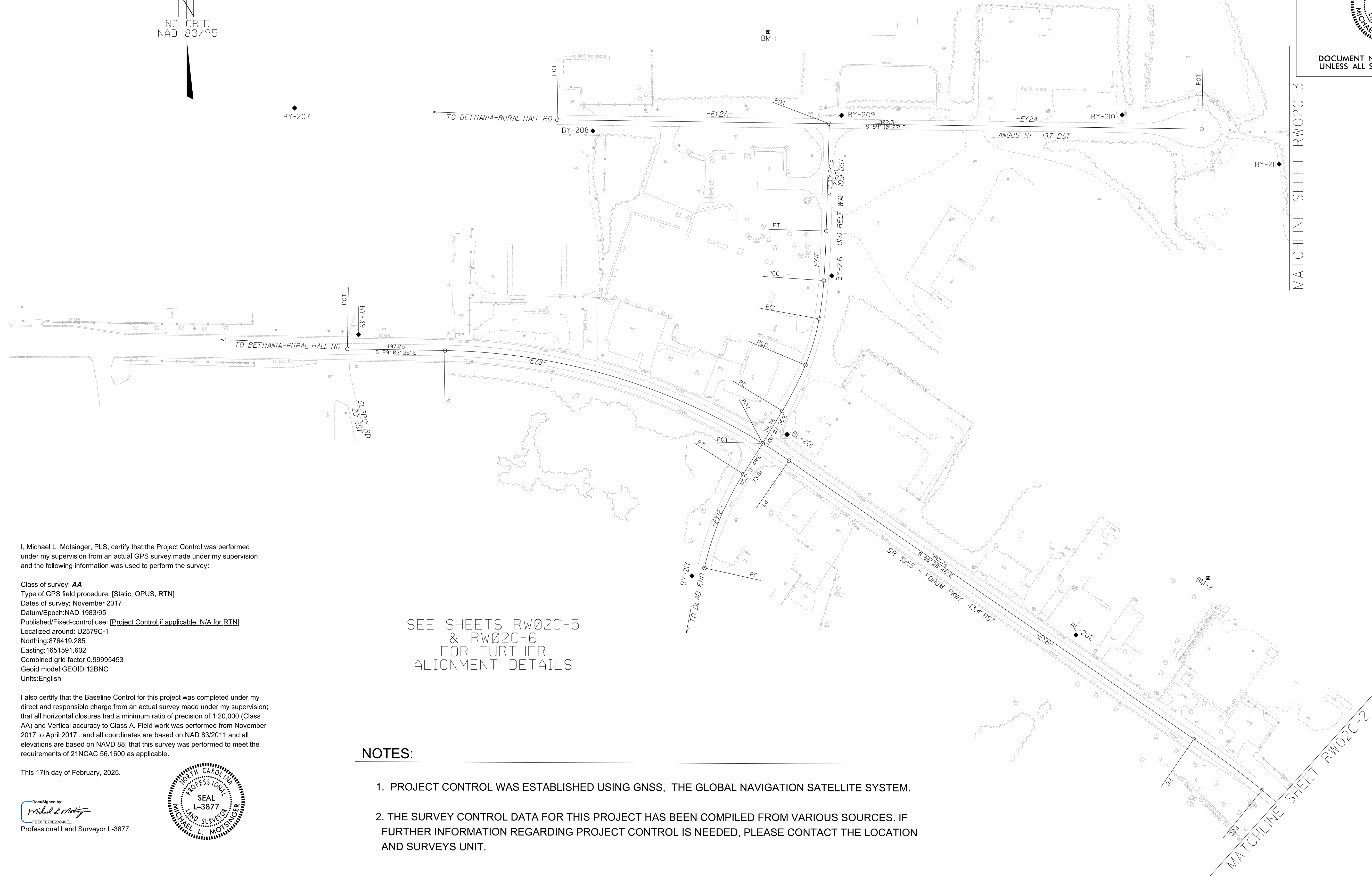
REVISIONS



SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-5899	RW02C-1
Location and Surveys	
PROJECT SURVEYOR NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-3877 MICHAEL L. MOTSINGER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



I, Michael L. Motsinger, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
Type of GPS field procedure: [Static, OPUS, RTN]
Dates of survey: November 2017
Datum/Epoch: NAD 1983/95
Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
Localized around: U2579C-1
Northing: 876419.285
Easting: 1651591.602
Combined grid factor: 0.99995453
Geoid model: GEOID 12BNC
Units: English

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from November 2017 to April 2017, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 17th day of February, 2025.

DocuSigned by:

Professional Land Surveyor L-3877



NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

MATCHLINE SHEET RW02C-3

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-3877 MICHAEL L. MOTSINGER

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NC GRID NAD 83/95

SEE SHEETS RW02C-5 & RW02C-6 FOR FURTHER ALIGNMENT DETAILS

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Dates of survey: November 2017
Datum/Epoch:NAD 1983/95
Published/Fixed-control use: [Project_Control_if_applicable,_N/A_for_RTN]
Localized around: U2579C-1
Northing:876419.285
Easting:1651591.602
Combined grid factor:0.99995453
Geoid model:GEOID 12BNC
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This 17th day of February, 2025.

DocuSigned by: Michael L. Motsinger Professional Land Surveyor L-3877

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-3877 MICHAEL L. MOTSINGER

SEE SHEETS RW02C-5
& RW02C-6
FOR FURTHER
ALIGNMENT DETAILS

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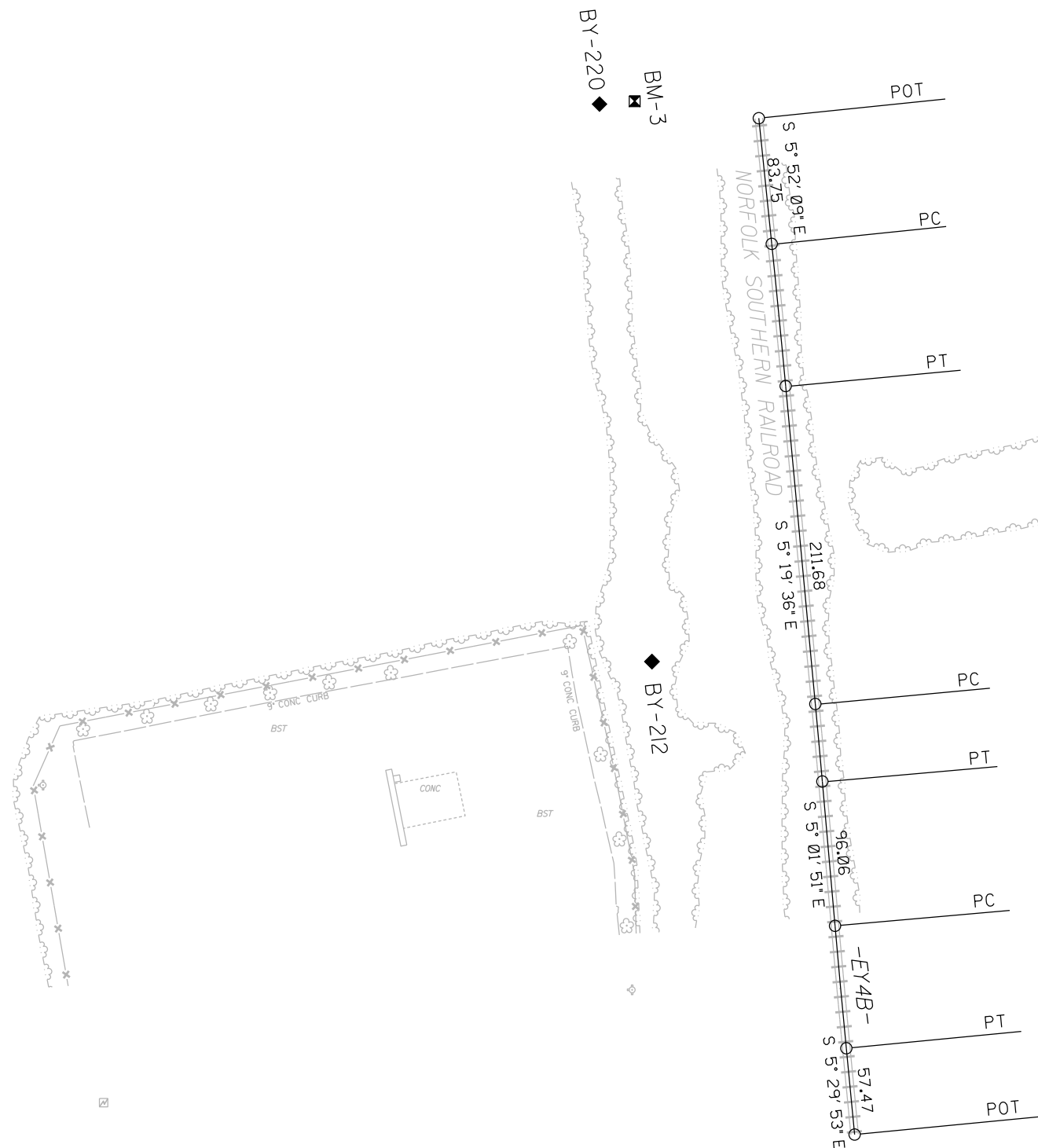
SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS
PRIOR TO CONSTRUCTION

NOTES:

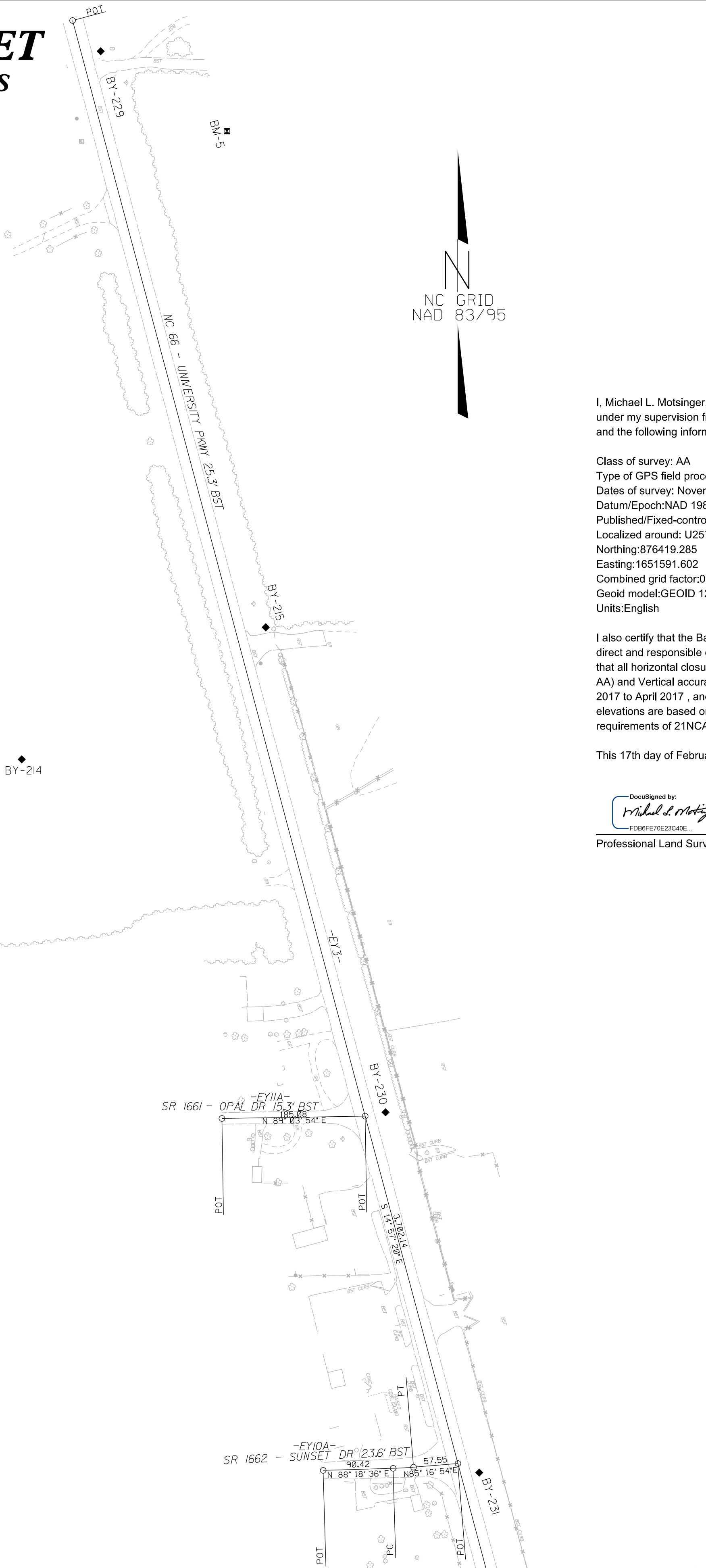
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MATCHLINE SHEET RW02C-1



MATCHLINE SHEET RW02C-2

SEE SHEETS RW02C-5
& RW02C-6
FOR FURTHER
ALIGNMENT DETAILS



MATCHLINE SHEET RW02C-2

PROJECT REFERENCE NO.	SHEET NO.
U-5899	RW02C-3
Location and Surveys	
PROJECT SURVEYOR NORTH CAROLINA PROFESSIONAL SEAL L-3877 MICHAEL L. MOTSINGER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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Type of GPS field procedure: [Static_OPUS_RTN]
Dates of survey: November 2017
Datum/Epoch: NAD 1983/95
Published/Fixed-control use: [Project_Control_if_applicable_N/A_for_RTN]
Localized around: U2579C-1
Northing: 876419.285
Easting: 1651591.602
Combined grid factor: 0.99995453
Geoid model: GEOID 12BNC
Units: English

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This 17th day of February, 2025.

DocuSigned by:
Michael L. Motsinger
Professional Land Surveyor L-3877



SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL	POINT	DESC.	NORTH	EAST	ELEVATION
201		BL201	899168.5550	1618055.8240	935.27
202		BL202	898763.4620	1618639.2340	925.56
203		BL203	898250.7400	1619226.4240	900.09
204		BL204	898203.1760	1619929.9670	858.32
205		BL205	898242.5850	1620443.5380	904.25
206		BL206	898180.5620	1620739.4290	935.52

BY1E	POINT	DESC.	NORTH	EAST	ELEVATION
217		BY217	898882.8870	1617863.5640	942.59
A201		BL201	899168.5550	1618055.8240	935.27
216		BY216	899488.9060	1618145.9960	953.25
209		BY209	899813.2200	1618166.1500	956.75

BY2A	POINT	DESC.	NORTH	EAST	ELEVATION
207		BY207	899828.0060	1617060.8240	965.24
208		BY208	899781.8330	1617663.5320	959.90
A209		BY209	899813.2200	1618166.1500	956.75
210		BY210	899813.9810	1618733.0130	944.24
211		BY211	899714.5730	1619050.1260	936.09
212		BY212	899776.7240	1619607.4600	866.01
213		BY213	899907.2680	1620119.7350	897.77
214		BY214	899899.1940	1620706.7200	929.43
215		BY215	900069.7180	1621021.9690	934.71

BY3	POINT	DESC.	NORTH	EAST	ELEVATION
229		BY229	900813.8260	1620808.7410	940.86
A215		BY215	900069.7180	1621021.9690	934.71
230		BY230	899443.3140	1621176.7510	937.96
231		BY231	898977.9080	1621297.7700	944.28

BY4A	POINT	DESC.	NORTH	EAST	ELEVATION
220		BY220	900146.3110	1619572.7040	870.51
A212		BY212	899776.7240	1619607.4600	866.01
221		BY221	899363.9740	1619648.3970	864.16
222		BY222	899024.6250	1619724.0820	861.90
223		BY223	898682.3580	1619837.6810	863.16
A204		BL204	898203.1760	1619929.9670	858.32
224		BY224	897785.1380	1619956.4460	855.54
225		BY225	897247.2750	1619945.5260	855.44

BY5B	POINT	DESC.	NORTH	EAST	ELEVATION
226		BY226	898694.7660	1620826.5530	928.41
227		BY227	898344.2350	1620945.5780	934.20
A206		BL206	898180.5620	1620739.4290	935.52
228		BY228	897966.9690	1621048.0280	916.60

BY8	POINT	DESC.	NORTH	EAST	ELEVATION
A203		BL203	898250.7400	1619226.4240	900.09
218		BY218	897750.5410	1619433.8450	891.47
219		BY219	897288.7640	1619446.6720	905.78

BM*1 ELEVATION = 950.12'
N 899981 E 1618018
RAIL ROAD SPIKE SET IN 15 INCH WHITE OAK

BM*2 ELEVATION = 932.12'
N 898879 E 1618907
RAIL ROAD SPIKE SET IN 10 INCH PINE

BM*3 ELEVATION = 871.61'
N 900148 E 1619596
RAIL ROAD SPIKE SET IN 10 INCH POPLAR

BM*4 ELEVATION = 861.31'
N 897786 E 1620106
RAIL ROAD SPIKE SET IN 16 INCH PINE

BM*5 ELEVATION = 940.75'
N 900710 E 1620972
RAIL ROAD SPIKE SET IN 12 INCH POPLAR

PROJECT REFERENCE NO.
U-5899

SHEET NO.
RW02C-4

Location and Surveys

PROJECT SURVEYOR



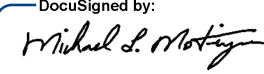
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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Dates of survey: November 2017
Datum/Epoch:NAD 1983/95
Published/Fixed-control use: [Project_Control_if_applicable,_N/A_for_RTN]
Localized around: U2579C-1
Northing:876419.285
Easting:1651591.602
Combined grid factor:0.99995453
Geoid model:GEOID 12BNC
Units:English

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This 17th day of February, 2025.

DocuSigned by:

F0B8FE70E23C40E

Professional Land Surveyor L-3877

NOTES:

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SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EY5B									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	898717.819	1620834.955							
LINE			S 14°52'21.7" E	497.31					
PC	898237.167	1620962.602							
CURVE			S 14°33'28.1" E	32.98	00°37'47.4"(RT)	01°54'35.5"	32.98	16.49	3000.00
PT	898205.248	1620970.891							
LINE			S 14°14'34.4" E	196.75					
PC	898014.545	1621019.298							
CURVE			S 14°59'06.6" E	77.73	01°29'04.4"(LT)	01°54'35.5"	77.73	38.87	3000.00
PT	897939.459	1621039.397							

EY8									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	899341.302	1617167.562							
LINE			S 89°03'25.5" E	197.05					
PC	899338.059	1617364.590							
CURVE			S 72°16'05.7" E	729.88	33°34'39.5"(RT)	04°32'05.5"	740.43	381.19	1263.45
PT	899115.766	1618059.798							
LINE			S 55°28'46.0" E	992.74					
PC	898553.178	1618877.739							
CURVE			S 53°12'20.8" E	172.04	04°32'50.4"(RT)	02°38'33.0"	172.08	86.09	2168.24
PCC	898450.137	1619015.507							
CURVE			S 43°48'57.6" E	151.27	14°13'55.9"(RT)	09°23'04.5"	151.66	76.22	610.53
PT	898340.988	1619120.235							
LINE			N 36°41'59.6" W	0.03					
PC	898341.016	1619120.214							
CURVE			S 33°12'32.8" E	337.79	06°58'53.6"(RT)	02°03'56.1"	338.00	169.21	2773.85
PCC	898058.397	1619305.219							
CURVE			S 23°59'08.9" E	164.81	11°27'54.2"(RT)	06°56'41.8"	165.08	82.82	825.00
PCC	897907.819	1619372.216							
CURVE			S 15°19'03.2" E	153.65	05°52'17.4"(RT)	03°49'11.0"	153.72	76.93	1500.00
PCC	897759.629	1619412.805							
CURVE			S 03°37'19.0" E	330.48	17°31'11.0"(RT)	05°16'50.6"	331.77	167.19	1085.00
PT	897429.812	1619433.682							

EY10A									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	898980.789	1621096.195							
LINE			N 88°18'36.1" E	90.42					
PC	898983.456	1621186.577							
CURVE			N 86°47'45.1" E	26.42	03°01'42.1"(LT)	11°27'33.0"	26.43	13.22	500.00
PT	898984.933	1621212.960							
LINE			N 85°16'54.1" E	57.55					
POT	898989.667	1621270.315							

EY11A				
POINT	N	E	BEARING	DIST
POT	899435.332	1620965.413		
LINE			N 89°03'54.0" E	185.08
POT	899438.352	1621150.463		

EY12				
POINT	N	E	BEARING	DIST
POT	897365.766	1621704.087		
LINE			N 70°28'30.2" E	152.35
POT	897416.684	1621847.676		

EY13									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	897206.196	1621592.652							
LINE			N 87°50'03.8" E	34.83					
PC	897207.512	1621627.455							
CURVE			N 86°51'04.2" E	17.16	01°57'59.2"(LT)	11°27'33.0"	17.16	8.58	500.00
PT	897208.454	1621644.589							
LINE			N 85°52'04.6" E	99.40					
POT	897215.617	1621743.734							

PROJECT REFERENCE NO.
U-5899

SHEET NO.
RW02C-6

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA
PROFESSIONAL
LAND SURVEYOR
MICHAEL L. MOTSINGER

SEAL
L-3877

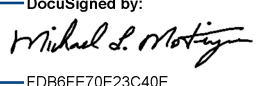
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F0B69F70E23C40E

Professional Land Surveyor L-3877

NOTES:

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REVISIONS

PROPOSED ALIGNMENT CONTROL SHEET

L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	899115.7658	1618059.7979
PC	19+03.29	898603.8676	1618804.0422
PT	24+38.33	898277.6768	1619227.8224
PC	25+04.92	898234.2928	1619278.3471
PT	30+72.53	898041.2406	1619799.5135
PC	34+50.42	898041.2406	1620177.4010
PT	41+66.70	898105.2015	1620889.8586
POT	47+63.83	898211.5605	1621477.4492

Y1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	898088.4582	1619528.7392
PC	12+02.88	897897.5501	1619460.0700
PRC	14+54.96	897649.3572	1619431.1176
PT	16+74.90	897429.8124	1619433.6818

Y2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	898088.4582	1619528.7392
PC	10+73.40	898157.5255	1619553.5826
PT	11+69.50	898207.0238	1619628.3367
PC	13+65.42	898196.1020	1619823.9601
PCC	15+09.06	898104.1185	1619918.0762
PT	19+64.96	897649.1158	1619946.3867

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	898717.8190	1620834.9555
PC	11+26.48	898595.5753	1620867.4197
PRC	12+71.10	898452.5037	1620885.2392
PT	14+15.72	898309.4322	1620903.0587
POT	16+14.98	898116.8484	1620954.2031

Y3A			
TYPE	STATION	NORTH	EAST
POT	10+00.00	898116.8484	1620954.2031
PC	10+49.80	898068.7151	1620966.9858
PRC	11+91.47	897938.2047	1621021.0104
PT	13+28.20	897812.4563	1621073.7468
POT	13+78.20	897764.2522	1621087.0272

Y4			
TYPE	STATION	NORTH	EAST
POT	30+00.00	898921.0152	1621287.5503
PC	47+01.47	897277.4013	1621727.4944
PT	52+14.81	896775.0319	1621831.6855

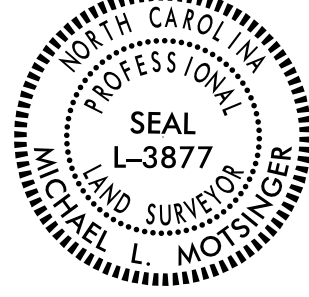
Y5			
TYPE	STATION	NORTH	EAST
POT	10+00.00	899016.3565	1619844.6699
PC	12+24.55	898801.7908	1619910.8675
PT	12+73.26	898755.0726	1619924.6602
PC	13+17.28	898712.7073	1619936.6088
PT	16+71.97	898365.8773	1620009.5591
PC	16+91.67	898346.3669	1620012.3032
PT	17+72.33	898266.2809	1620021.9242
PC	18+26.57	898212.3107	1620027.3062
PT	19+54.58	898084.7828	1620038.3769
POT	22+74.17	897766.0655	1620061.9383

PROJECT REFERENCE NO.
U-5899

SHEET NO.
RW02D-1

Location and Surveys

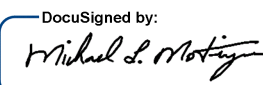
PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Michael L. Motsinger, PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This 17th day of February, 2025.

DocuSigned by:

F0B8F70E23C40E...

Professional Land Surveyor L-3877

NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.

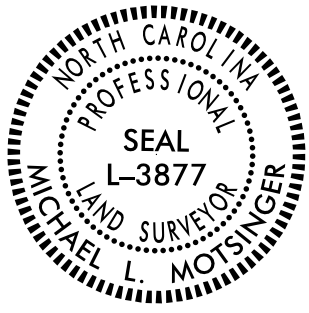
U-5899

SHEET NO.

RW03E-1

Location and Surveys

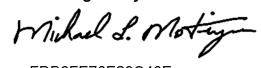
PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from August 2024 to September 2024, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 17th day of February, 2025.

DocuSigned by:

Professional Land Surveyor L-3877

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	21+65.60	-35.00	898477.3792	1619037.4805
L	23+76.24	-35.00	898344.6642	1619202.9389
L	24+21.38	-35.00	898315.3274	1619237.6559
L	25+11.64	-35.00	898256.6861	1619306.0350
L	28+75.00	90.00	897978.2323	1619581.9895
L	30+72.53	90.00	897951.2406	1619799.5135
L	32+71.13	90.00	897951.2406	1619998.1127
L	33+54.45	-130.00	898171.2406	1620081.4371
L	33+72.88	110.00	897931.2406	1620099.8640
L	34+50.00	110.00	897931.2406	1620176.9854
L	36+50.00	50.00	897996.2810	1620379.3963
L	36+50.00	55.00	897991.2872	1620379.6457
L	36+50.00	-50.00	898096.1566	1620374.4088
L	41+60.00	50.00	898054.7991	1620892.0929
L	41+60.00	-50.00	898153.2298	1620874.4462
L	43+25.00	63.18	898071.2271	1621056.8856
L	44+90.00	76.00	898088.0020	1621221.5304
L	45+32.58	74.50	898097.0653	1621263.1638
L	46+35.00	-56.84	898244.5407	1621340.5518
L	47+23.16	105.73	898100.2819	1621456.2591

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	12+15.00	-100.00	897854.3381	1619550.9152
Y1	14+25.00	-33.88	897681.1854	1619462.3745

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	10+75.00	20.00	898640.1982	1620834.8760
Y3	10+75.00	30.00	898637.6314	1620825.2110
Y3	11+26.48	30.00	898587.8751	1620838.4247
Y3	12+71.10	30.00	898452.8564	1620855.2413
Y3	14+15.72	30.00	898301.7320	1620874.0637
Y3	14+50.00	30.00	898268.6018	1620882.8621

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3A	10+80.00	-56.32	898057.2782	1621029.0854
Y3A	10+95.00	35.00	898013.7586	1620947.4791
Y3A	11+35.00	35.00	897974.2121	1620963.3617
Y3A	12+10.00	20.00	897912.5925	1621012.3822
Y3A	13+25.00	20.00	897810.1131	1621053.6377
Y3A	13+78.00	16.88	897759.9634	1621070.7034

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	35+91.00	49.19	898337.3931	1621392.8421

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	19+58.00	-35.30	898601.4844	1618869.2679
L	19+58.00	-52.00	898615.1384	1618878.8810
L	19+62.00	62.00	898519.6482	1618816.4824
L	19+62.00	34.66	898541.9926	1618832.2407
L	19+73.00	62.00	898513.3774	1618825.3534
L	19+73.00	34.52	898535.8015	1618841.2419
L	20+20.00	-36.19	898565.9469	1618920.6195
L	20+20.00	-50.00	898577.1373	1618928.7075
L	21+11.00	-74.00	898541.8159	1619017.1143
L	21+11.00	-84.00	898549.8127	1619023.1186
L	21+20.00	-74.00	898536.3255	1619024.4130
L	21+20.00	-84.00	898544.3115	1619030.4316
L	21+35.00	-55.00	898512.0067	1619025.0744
L	23+30.00	-63.00	898396.0280	1619184.8733
L	23+30.00	-74.00	898404.5268	1619191.8568
L	23+40.00	-55.00	898383.4207	1619187.5991
L	23+42.00	-61.00	898386.7601	1619192.9788
L	23+42.00	-72.00	898395.2422	1619199.9828
L	23+60.00	-35.00	898355.1454	1619190.3801
L	23+60.00	-53.89	898369.6679	1619202.4602
L	23+79.00	-46.47	898351.6727	1619212.4351
L	29+10.00	127.00	897933.3054	1619612.4769
L	29+45.00	129.00	897924.0193	1619652.0479
L	29+50.00	90.00	897961.6590	1619663.7333

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+10.00	-89.84	897954.5418	1619576.0476

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	10+75.00	38.00	898635.5781	1620817.4790
Y3	11+69.00	-45.00	898562.1370	1620920.9579
Y3	11+69.00	-21.76	898557.9815	1620898.0967
Y3	11+70.00	38.00	898546.3796	1620839.4612
Y3	11+76.00	-22.40	898550.9095	1620899.9748
Y3	11+76.00	-45.00	898554.6596	1620922.2663
Y3	14+75.00	97.00	898227.2423	1620824.5235
Y3	14+77.00	88.00	898227.6194	1620833.7354
Y3	14+84.00	99.00	898218.0305	1620824.9006
Y3	14+88.00	79.00	898219.2979	1620845.2572
Y3	15+08.00	85.00	898198.4279	1620844.5917

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3A	10+77.00	-73.56	898065.1000	1621044.6744
Y3A	11+05.00	97.00	897981.7389	1620893.2141
Y3A	11+61.00	-45.91	897985.7067	1621047.4634
Y3A	11+90.00	101.00	897889.0624	1620932.7574
Y3A	12+31.00	20.00	897894.5800	1621021.5524
Y3A	12+85.00	53.00	897835.4284	1621010.8088
Y3A	12+87.00	43.00	897837.1279	1621020.8299
Y3A	12+94.00	55.00	897827.1375	1621011.6326
Y3A	12+98.00	40.00	897828.5397	1621027.0048
Y3A	13+78.20	42.00	897753.0989	1621046.5352

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	35+82.00	49.12	898346.1060	1621390.5857
Y4	35+84.00	98.00	898331.5354	1621343.8857
Y4	35+93.00	98.00	898322.8415	1621346.2128
Y4	36+16.00	-50.74	898339.0821	1621495.8390
Y4	36+86.00	-59.00	898273.5990	1621521.9204
Y4	38+30.92	-64.56	898135.0399	1621564.7607
Y4	38+30.95	-73.60	898137.3558	1621573.5024
Y4	38+39.95	-73.60	898128.6618	1621575.8295
Y4	38+46.25	-65.63	898120.5150	1621569.7556
Y4	40+34.95	-61.00	897937.0357	1621614.0783
Y4	40+34.95	-67.00	897938.5871	1621619.8743
Y4	40+47.95	-67.00	897926.0291	1621623.2356
Y4	40+47.95	-61.00	897924.4777	1621617.4397

NOTES:

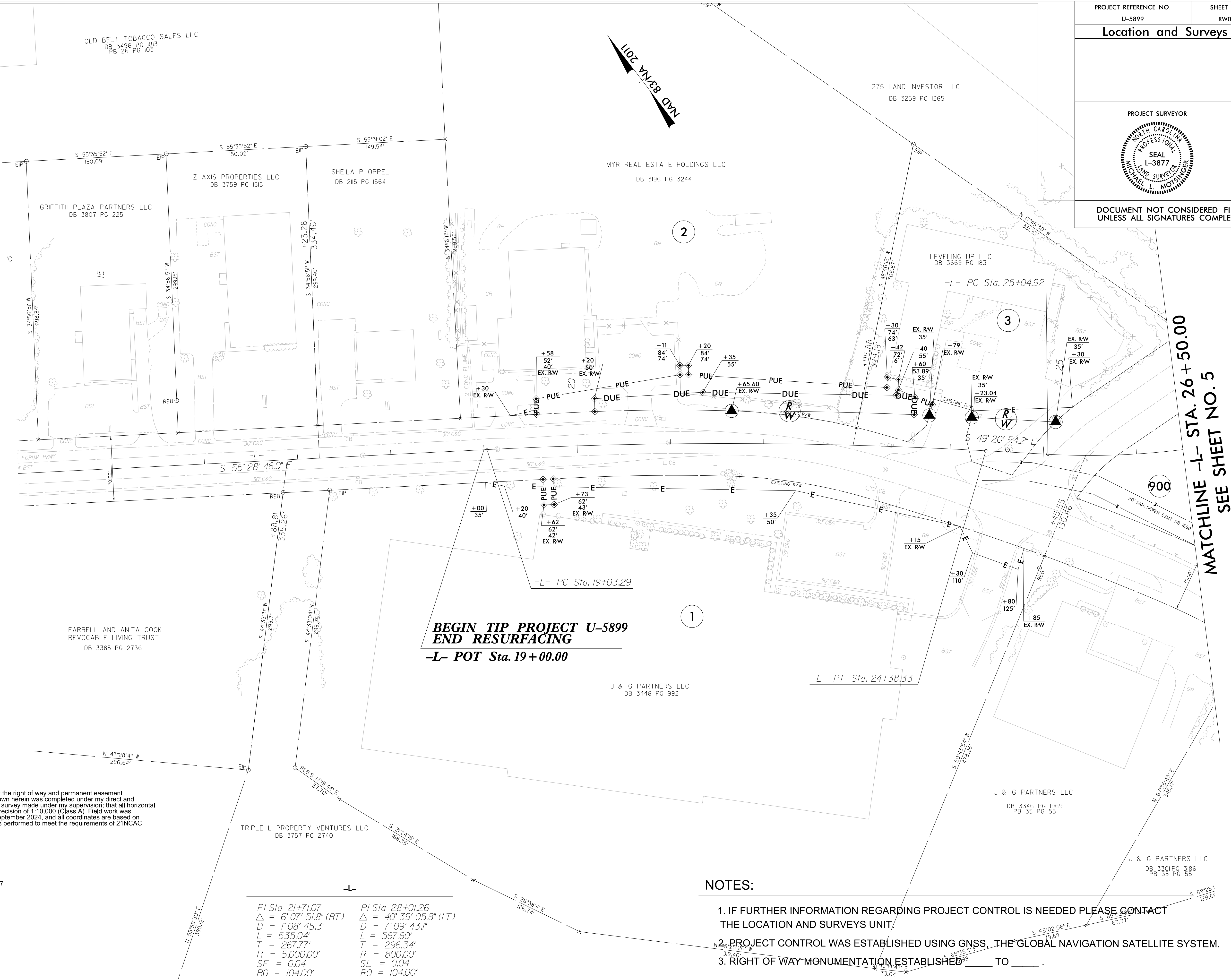
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____ .

REVISIONS

I, Michael L. Molsinger, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from August 2024 to September 2024, and all coordinates are based on NAD83/2011; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 17th day of February, 2025.

DocuSigned by:
Michael L. Molsinger
F0B8F70E23C4DE
Professional Land Surveyor L-3877



PROJECT REFERENCE NO.	SHEET NO.
U-5899	RW04
Location and Surveys	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**BEGIN TIP PROJECT U-5899
END RESURFACING**
-L- POT Sta. 19+00.00

**MATCHLINE -L- STA. 26+50.00
SEE SHEET NO. 5**

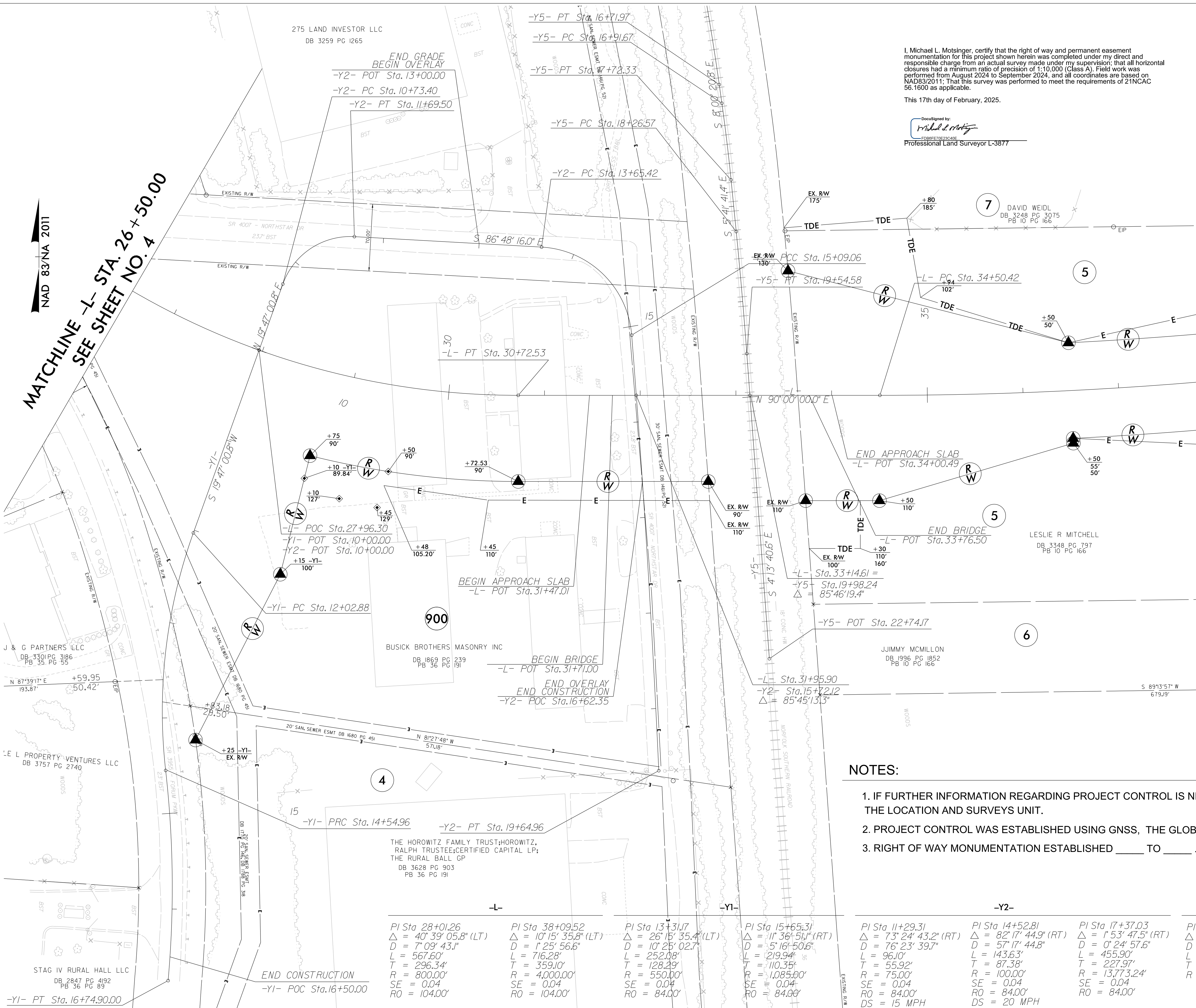
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____.

REVISIONS

MATCHLINE -L- STA. 26+50.00
SEE SHEET NO. 4

NAD 83/NA 2011



I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from August 2024 to September 2024, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 17th day of February, 2025.

DocuSigned by:
Michael L. Motsinger
Professional Land Surveyor L-3877

PROJECT REFERENCE NO.
U-5899

SHEET NO.
RW05

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA
PROFESSIONAL
SEAL
L-3877
MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

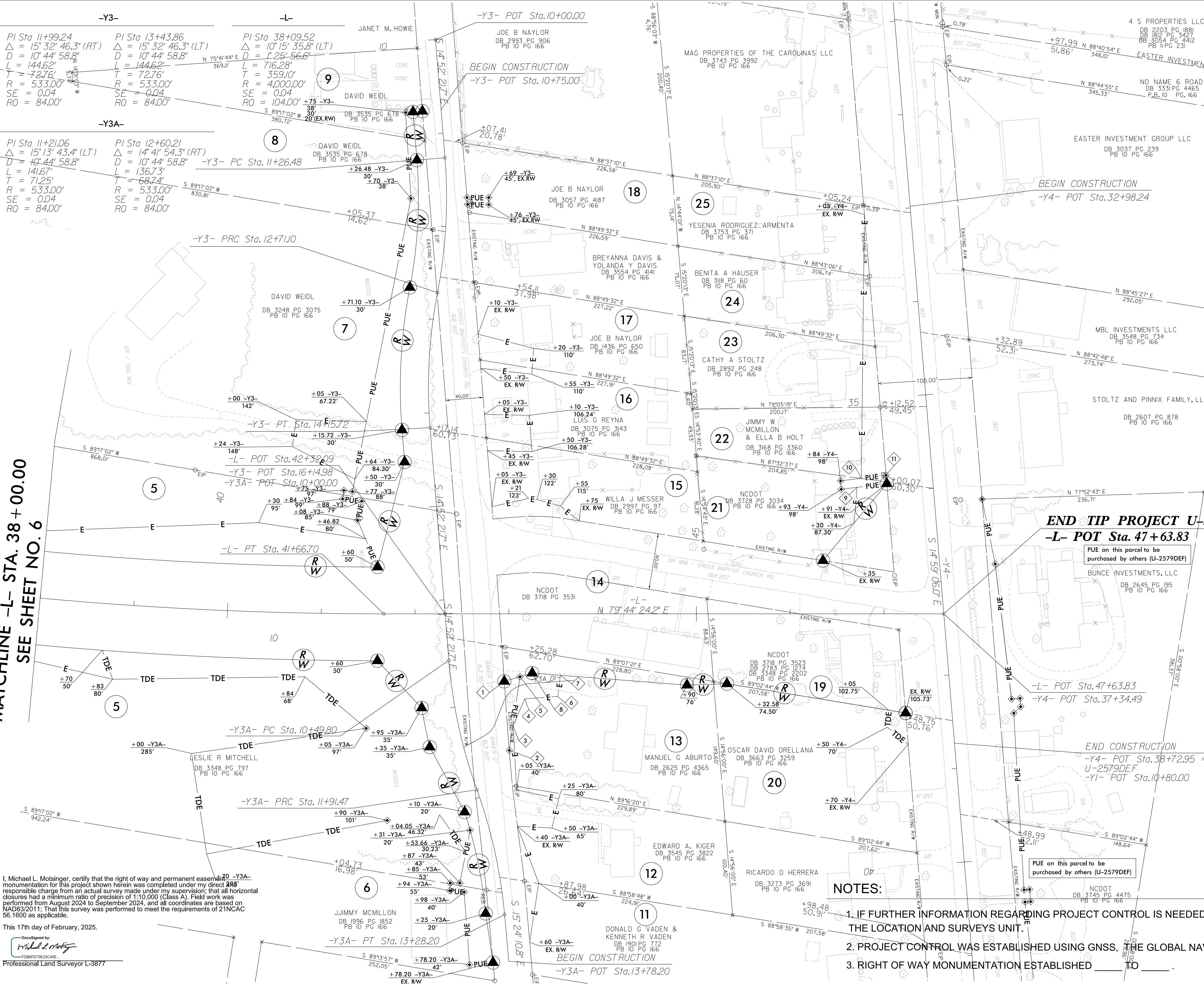
MATCHLINE -L- STA. 38+00.00
SEE SHEET NO. 6

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED ____ TO ____.

-L-		-Y1-		-Y2-		-Y5-	
PI Sta 28+01.26 Δ = 40° 39' 05.8" (LT) D = 7° 09' 43.1" L = 567.60' T = 296.34' R = 800.00' SE = 0.04 RO = 104.00'	PI Sta 38+09.52 Δ = 10° 15' 35.8" (LT) D = 1° 25' 56.6" L = 716.28' T = 359.10' R = 4,000.00' SE = 0.04 RO = 104.00'	PI Sta 13+31.17 Δ = 26° 15' 35.4" (LT) D = 10° 25' 02.7" L = 252.08' T = 128.29' R = 550.00' SE = 0.04 RO = 84.00'	PI Sta 15+65.31 Δ = 11° 36' 51.1" (RT) D = 5° 16' 50.6" L = 219.94' T = 110.35' R = 1,085.00' SE = 0.04 RO = 84.00'	PI Sta 11+29.31 Δ = 73° 24' 43.2" (RT) D = 76° 23' 39.7" L = 96.10' T = 55.92' R = 75.00' SE = 0.04 RO = 84.00' DS = 15 MPH	PI Sta 14+52.81 Δ = 82° 17' 44.9" (RT) D = 57° 17' 44.8" L = 143.63' T = 87.38' R = 100.00' SE = 0.04 RO = 84.00' DS = 20 MPH	PI Sta 17+37.03 Δ = 1° 53' 47.5" (RT) D = 0° 24' 57.6" L = 455.90' T = 227.97' R = 13,773.24' SE = 0.04 RO = 84.00'	PI Sta 17+32.01 Δ = 2° 18' 39.4" (RT) D = 2° 51' 53.2" L = 80.67' T = 40.34' R = 2,000.00'
PI Sta 16+74.90.00 -Y1- PT Sta. 16+74.90.00	PI Sta 16+62.35 -Y2- POC Sta. 16+62.35	PI Sta 14+54.96 -Y1- PRC Sta. 14+54.96	PI Sta 19+64.96 -Y2- PT Sta. 19+64.96	PI Sta 15+98.24 -Y5- Sta. 19+98.24 Δ = 85° 45' 13.3"	PI Sta 33+76.50 -L- POT Sta. 33+76.50	PI Sta 34+00.49 -L- POT Sta. 34+00.49	PI Sta 38+00.00 -L- STA. 38+00.00

MATCHLINE -L- STA. 38+00.00
SEE SHEET NO. 6



PROJECT REFERENCE NO.		SHEET NO.	
U-5899		RW06	
Location and Surveys			
PROJECT SURVEYOR			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

NAD 83 NA 2011

- 1 +80 -Y3A- EX. RW
- 2 +61 -Y3A-
- 3 +34 -Y3A- 56.73'
- 4 +05 -Y3A- 75'
- 5 +77 -Y3A- 73.56'
- 6 +10 -Y3A- 110'
- 7 +55 -65'
- 8 +25 -63.18'
- 9 +92.31 -Y4- 81.11'
- 10 +83.09 -Y4- 75.74'
- 11 +82 EX. RW

END TIP PROJECT U-5899
-L- POT Sta. 47+63.83

PUE on this parcel to be purchased by others (U-2579DEF)

BUNCE INVESTMENTS, LLC
DB 2645 PG 195
PB 10 PG 166

-L- POT Sta. 47+63.83
-Y4- POT Sta. 37+34.49

END CONSTRUCTION
-Y4- POT Sta. 38+72.95 = U-2579DEF
-Y1- POT Sta. 10+80.00

PUE on this parcel to be purchased by others (U-2579DEF)

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED TO .

I, Michael L. Motsinger, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from August 2024 to September 2024, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 17th day of February, 2025.

DocuSigned by:

FDB8F7E023CA0E
Professional Land Surveyor L-3877