

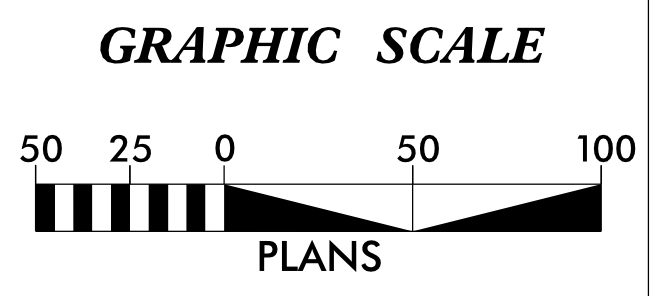
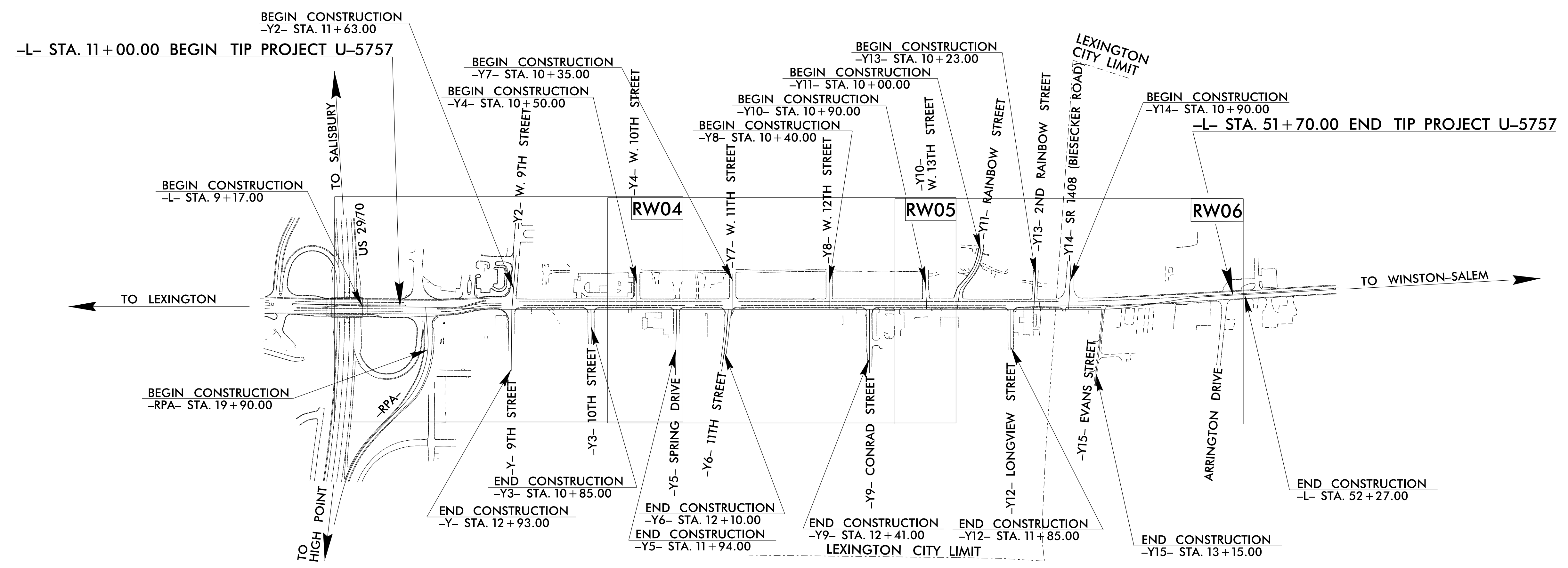
TIP PROJECT: U-5757

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

DAVIDSON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U5757	RW01	XX



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B3159-1" WITH NAD 1983/NA2011 STATE PLANE GRID COORDINATES OF NORTHING: 760,804.966(ft) EASTING: 1,628,523.341(ft) ELEVATION: 788.31 (ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998914

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B3159-1" TO -L- STATION 16+45.75 IS N 34°05'39" E 970.28 (ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

2024 STANDARD SPECIFICATIONS

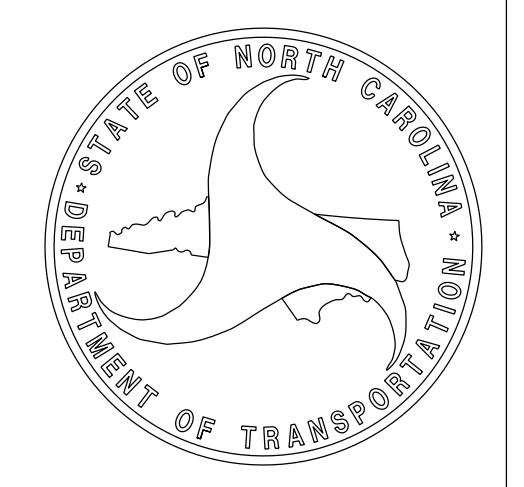
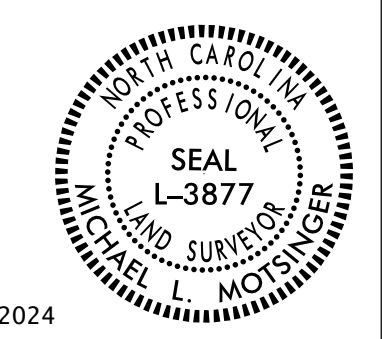
RIGHT OF WAY DATE:
04-30-2019

LETTING DATE:
09-17-2024

PROFESSIONAL LAND SURVEYOR

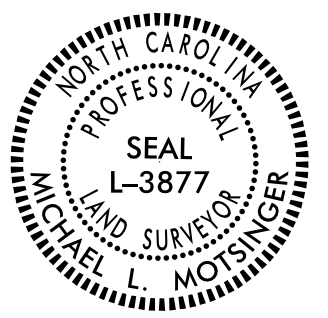
DocuSigned by:
Michael L. Motzinger
F088F7E230A9E...
SIGNATURE:

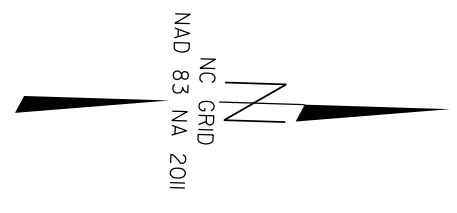
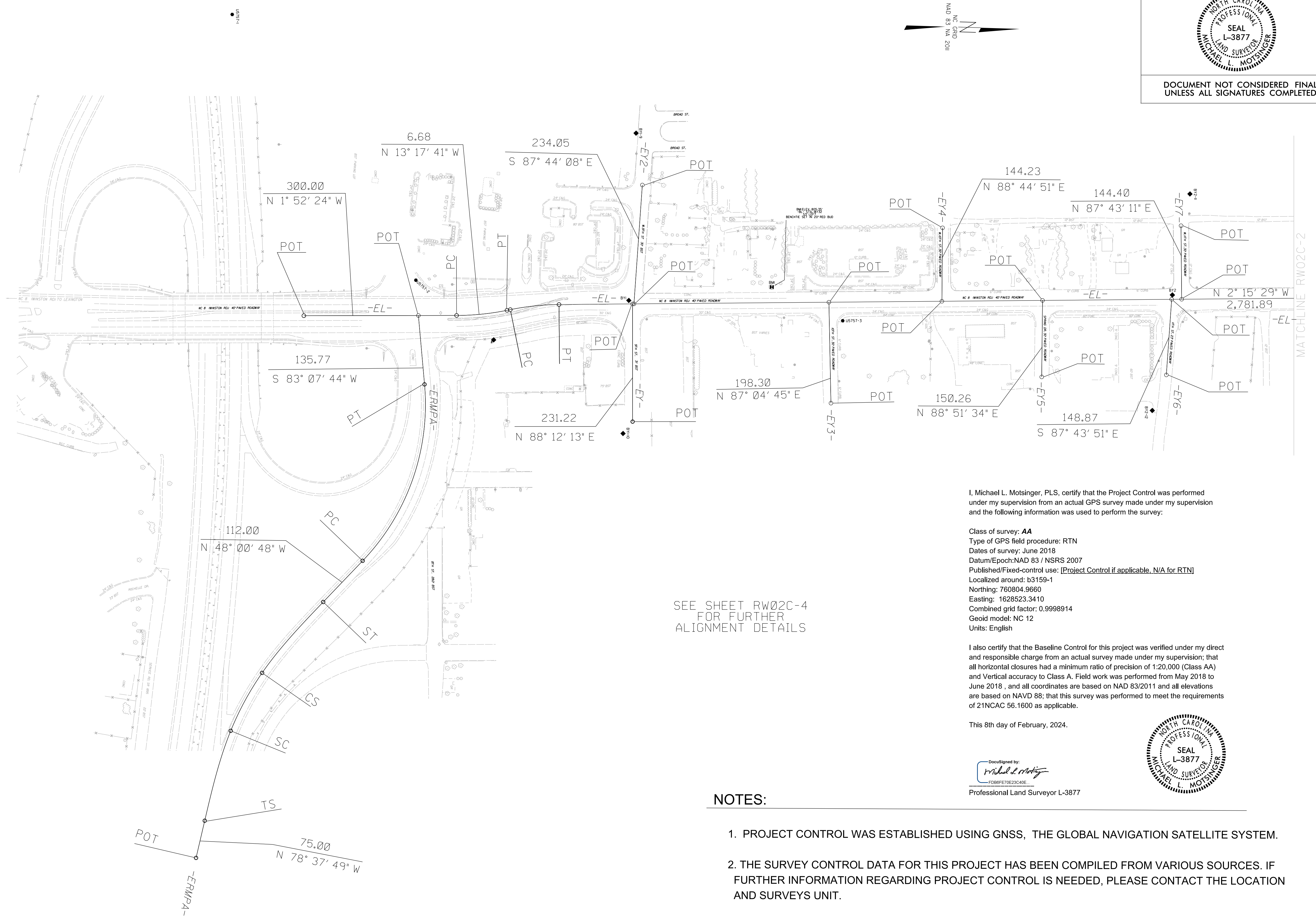
Date: 07/10/2024



SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5757	SHEET NO. RW02C-1
Location and Surveys	
INSERT CONSULTANT'S NAME	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCHLINE RW02C-2

SEE SHEET RW02C-4
FOR FURTHER
ALIGNMENT DETAILS

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: RTN
 Dates of survey: June 2018
 Datum/Epoch: NAD 83 / NSRS 2007
 Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
 Localized around: b3159-1
 Northing: 760804.9660
 Easting: 1628523.3410
 Combined grid factor: 0.9998914
 Geoid model: NC 12
 Units: English

I also certify that the Baseline Control for this project was verified 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 May 2018 to June 2018, 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 8th day of February, 2024.

DocuSigned by:

 F068F7E70E23CA0E
 Professional Land Surveyor L-3877




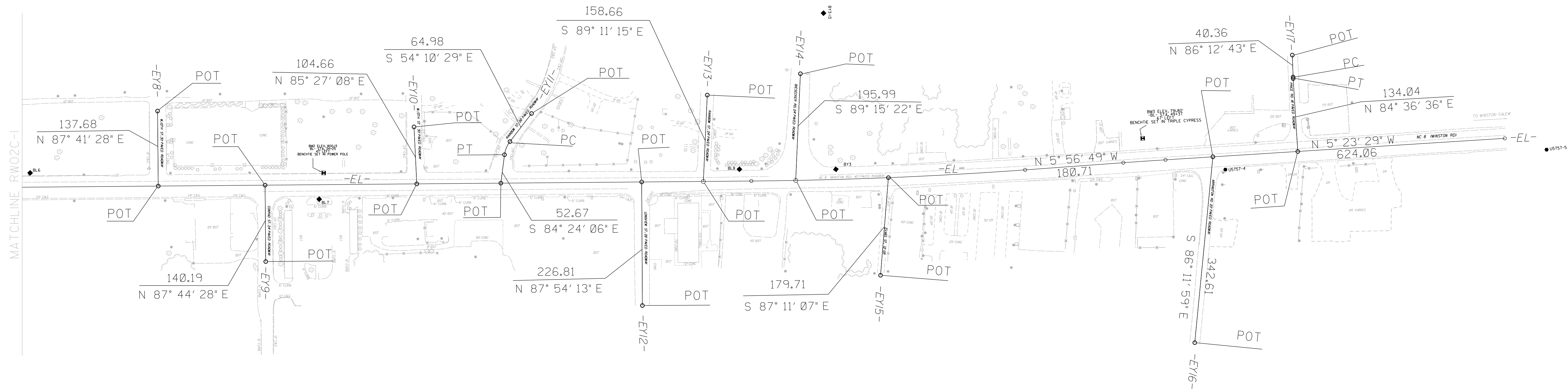
NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. 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.

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5757	SHEET NO. RW02C-2
Location and Surveys	
INSERT CONSULTANT'S NAME	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

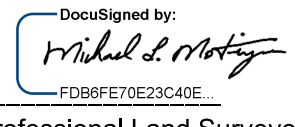


I, Michael L. Motsinger, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

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This 8th day of February, 2024.

DocuSigned by:

 Professional Land Surveyor L-3877




SEE SHEET RW02C-4
 FOR FURTHER
 ALIGNMENT DETAILS

NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5757	SHEET NO. RW02C-3
Location and Surveys	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BL	POINT	DESC.	NORTH	EAST	ELEVATION
	1	U5757-1	761316.7359	1627911.5930	765.86
	2	U5757-2	761693.4268	1628422.1250	782.09
BY1	3	PNS	762112.6755	1628448.8903	UNKNOWN
	3	U5757-3	762533.8716	1628475.7800	799.93
BY2	6	PNS	763179.4548	1628405.1776	UNKNOWN
	6	BL6	763432.0154	1628377.5565	791.61
	7	BL7	763963.8300	1628409.3410	794.62
	8	BL8	764733.0820	1628330.5630	799.59
BY3	4	PNS	764910.0020	1628325.2364	UNKNOWN
	4	U5757-4	765624.6269	1628303.7200	788.47
	5	U5757-5	766212.8581	1628248.8680	798.15

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:

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 Type of GPS field procedure: RTN
 Dates of survey: June 2018
 Datum/Epoch: NAD 83 / NSRS 2007
 Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
 Localized around: b3159-1
 Northing: 760804.9660
 Easting: 1628523.3410
 Combined grid factor: 0.9998914
 Geoid model: NC 12
 Units: English

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This 8th day of February, 2024.

DocuSigned by:

 F0B8F0E22C48E
 Professional Land Surveyor L-3877

 BM1 ELEVATION = 805.35
 N 762393 E 1628414
 BL STATION 18+32.00 53 LEFT
 BENCHTIE SET IN 20"RED BUD

 BM2 ELEVATION = 800.13
 N 763971 E 1628361
 BL STATION 34+25.00 47 LEFT
 BENCHTIE SET IN POWER POLE


 BM3 ELEVATION = 791.80
 N 765471 E 1628251
 BL STATION 49+26.00 57 LEFT
 BENCHTIE SET IN TRIPLE CYPRESS

NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5757	SHEET NO. RW02C-4
Location and Surveys	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	761475.627	1628498.665							
LINE			N 01°52'24.5" W	300.00					
PC	761775.467	1628488.857							
CURVE			N 07°35'02.6" W	99.50	11°25'16.3"(LT)	11°27'33.0"	99.67	50.00	500.00
PT	761874.100	1628475.724							
LINE			N 13°17'40.8" W	6.68					
PC	761880.597	1628474.189							
CURVE			N 07°46'35.1" W	96.16	11°02'11.3"(RT)	11°27'33.0"	96.31	48.31	500.00
PT	761975.875	1628461.178							
LINE			N 02°15'29.5" W	2781.89					
PC	764755.601	1628351.564							
CURVE			N 04°06'09.4" W	502.96	03°41'19.9"(LT)	00°43'59.9"	503.05	251.61	7813.36
PT	765257.270	1628315.581							
LINE			N 05°56'49.4" W	180.71					
PC	765437.005	1628296.858							
CURVE			N 05°40'09.3" W	77.58	00°33'20.2"(RT)	00°42'58.3"	77.58	38.79	8000.00
PT	765514.205	1628289.194							
LINE			N 05°23'29.1" W	624.06					
POT	766135.502	1628230.558							

EY POINT	N	E	BEARING	DIST
POT	762120.240	1628455.485		
LINE			N 88°12'13.2" E	231.22
POT	762127.488	1628686.589		

EY2 POINT	N	E	BEARING	DIST
POT	762132.234	1628221.508		
LINE			S 87°44'07.5" E	234.05
POT	762122.986	1628455.377		

EY3 POINT	N	E	BEARING	DIST
POT	762505.627	1628440.288		
LINE			N 87°04'45.1" E	198.30
POT	762515.731	1628638.325		

EY4 POINT	N	E	BEARING	DIST
POT	762724.239	1628287.346		
LINE			N 88°44'51.4" E	144.23
POT	762727.391	1628431.543		

EY5 POINT	N	E	BEARING	DIST
POT	762924.928	1628423.754		
LINE			N 88°51'33.5" E	150.26
POT	762927.920	1628573.982		

EY6 POINT	N	E	BEARING	DIST
POT	763178.355	1628413.760		
LINE			S 87°43'51.5" E	148.87
POT	763172.461	1628562.518		

EY7 POINT	N	E	BEARING	DIST
POT	763192.236	1628268.703		
LINE			N 87°43'11.3" E	144.40
POT	763197.981	1628412.986		

EY8 POINT	N	E	BEARING	DIST
POT	763662.284	1628256.894		
LINE			N 87°41'28.5" E	137.68
POT	763667.830	1628394.458		

EY9 POINT	N	E	BEARING	DIST
POT	763863.770	1628386.732		
LINE			N 87°44'27.8" E	140.19
POT	763869.296	1628526.814		

EY10 POINT	N	E	BEARING	DIST
POT	764133.689	1628271.426		
LINE			N 85°27'07.6" E	104.66
POT	764141.988	1628375.761		

EY12 POINT	N	E	BEARING	DIST
POT	764554.516	1628359.494		
LINE			N 87°54'12.9" E	226.81
POT	764562.813	1628586.147		

EY13 POINT	N	E	BEARING	DIST
POT	764669.887	1628196.388		
LINE			S 89°11'14.6" E	158.66
POT	764667.637	1628355.033		

EY14 POINT	N	E	BEARING	DIST
POT	764839.554	1628151.960		
LINE			S 89°15'21.9" E	195.99
POT	764837.010	1628347.929		

EY15 POINT	N	E	BEARING	DIST
POT	765006.860	1628337.601		
LINE			S 87°11'06.9" E	179.71
POT	764998.035	1628517.090		

EY16 POINT	N	E	BEARING	DIST
POT	765601.010	1628281.002		
LINE			S 86°11'59.4" E	342.61
POT	765578.303	1628622.859		

EY11 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	764348.568	1628240.182							
LINE			S 54°10'29.0" E	64.98					
PC	764310.532	1628292.871							
CURVE			S 69°17'17.7" E	26.07	30°13'37.4"(LT)	114°35'29.6"	26.38	13.50	50.00
PT	764301.310	1628317.259							
LINE			S 84°24'06.4" E	52.67					
POT	764296.172	1628369.681							

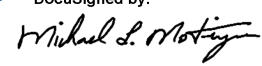
EY17 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	765740.977	1628089.828							
LINE			N 86°12'43.4" E	40.36					
PC	765743.644	1628130.097							
CURVE			N 85°24'39.5" E	2.80	01°36'07.8"(LT)	57°17'44.8"	2.80	1.40	100.00
PT	765743.867	1628132.884							
LINE			N 84°36'35.7" E	134.04					
POT	765756.459	1628266.331							

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This 8th day of February, 2024.

DocuSigned by:

 F088FE10E2304E

Professional Land Surveyor L-3877



NOTES:

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PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5757	RW02D-1
Location and Surveys	
<b style="font-size: 24px; font-weight: bold;">DRMP <small>DRMP, INC. 8000 REGENCY PARKWAY, SUITE 110 CARY, NC 27518 PHONE: (919) 650 1038</small>	

		L	
TYPE	STATION	NORTH	EAST
POT	9+00.00	761375.6809	1629501.9340
PC	12+00.17	761675.6948	1628492.1205
PRC	13+97.40	761872.8969	1628489.7492
PT	16+26.66	762102.1070	1628486.2234
PC	44+97.24	764970.4530	1628373.1151
PT	47+13.70	765185.1739	1628347.5699
PC	49+06.63	765374.3525	1628309.7307
PT	50+48.17	765514.3307	1628289.1824
POT	56+72.10	766135.5004	1628230.5584

		Y	
TYPE	STATION	NORTH	EAST
POT	10+00.00	762121.1800	1628485.4712
POT	13+00.00	762130.5840	1628785.3239

		RPA	
TYPE	STATION	NORTH	EAST
POT	10+00.00	761296.9217	1629569.5565
TS	10+75.00	761311.7080	1629496.0285
SC	12+59.00	761357.3022	1629317.9742
CS	13+88.67	761415.4022	1629202.3473
ST	15+72.67	761531.0559	1629059.4964
PC	16+84.67	761605.9792	1628976.2468
PT	20+63.28	761716.7651	1628626.1115
POT	21+98.99	761700.5290	1628491.3730

		Y2	
TYPE	STATION	NORTH	EAST
POT	10+00.00	762132.2344	1628221.5081
POT	12+64.15	762121.7970	1628485.4469

		Y3	
TYPE	STATION	NORTH	EAST
POT	10+00.00	762507.1558	1628470.2510
POT	11+68.29	762515.7313	1628638.3254

		Y4	
TYPE	STATION	NORTH	EAST
POT	10+00.00	762724.2386	1628287.3460
POT	11+74.21	762731.1459	1628461.4183

		Y5	
TYPE	STATION	NORTH	EAST
POT	10+00.00	762925.5258	1628453.7533
POT	13+20.25	762931.9012	1628773.9426

		Y6	
TYPE	STATION	NORTH	EAST
POT	10+00.00	763177.1640	1628443.8304
PC	11+14.20	763172.6425	1628557.9423
PT	11+67.74	763169.0917	1628611.3608
POT	13+04.23	763156.3974	1628747.2529

		Y7	
TYPE	STATION	NORTH	EAST
POT	10+00.00	763192.2362	1628268.7030
POT	11+74.40	763199.1748	1628442.9624

		Y8	
TYPE	STATION	NORTH	EAST
POT	10+00.00	763662.2837	1628256.8938
POT	11+67.68	763669.0384	1628424.4341

		Y9	
TYPE	STATION	NORTH	EAST
POT	10+00.00	763864.9526	1628416.7086
POT	13+10.19	763877.1790	1628726.6590

		Y10	
TYPE	STATION	NORTH	EAST
POT	10+00.00	764127.7387	1628196.6223
POT	12+09.73	764144.3685	1628405.6903

		Y11	
TYPE	STATION	NORTH	EAST
PC	10+00.00	764397.0088	1628111.4786
PT	11+42.41	764346.5656	1628242.9555
PC	12+03.97	764310.5317	1628292.8713
PT	12+30.35	764301.3104	1628317.2594
POT	13+13.31	764293.2178	1628399.8207

		Y12	
TYPE	STATION	NORTH	EAST
POT	10+00.00	764555.6137	1628389.4736
POT	11+96.81	764562.8131	1628586.1475

		Y13	
TYPE	STATION	NORTH	EAST
POT	10+00.00	764669.8873	1628196.3876
POT	11+88.70	764667.2110	1628385.0729

		Y14	
TYPE	STATION	NORTH	EAST
POT	10+00.00	764839.5544	1628151.9601
POT	12+26.45	764836.6143	1628378.3928

		Y15	
TYPE	STATION	NORTH	EAST
POT	10+00.00	765005.2026	1628371.3026
POT	11+45.96	764998.0347	1628517.0905

NOTES:


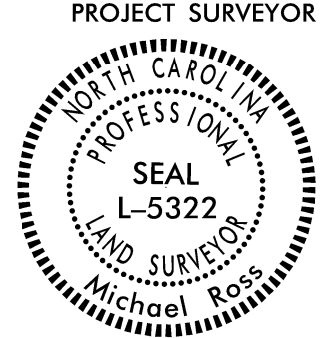
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REVISIONS

6/2/09

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 jts

PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO. U-5757	SHEET NO. 1E-2
Location and Surveys	
 DRMP DRMP, INC. 8000 REGENCY PARKWAY, SUITE 110 CARY, NC 27518 PHONE: (919) 650 1038	
PROJECT SURVEYOR  Michael Ross	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Michael Ross, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further 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.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 29th day of July, 2019.

DocuSigned by:
Michael Ross

BEA69437EAE04A0...

Professional Land Surveyor

PLS # L-5322

Seal

PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	16-82.82	70.00	762160.9822	1628553.9561
L	17-15.00	70.00	762193.1325	1628552.6883
L	17-15.00	57.76	762192.6503	1628540.4606
L	17-82.00	71.00	762260.1199	1628551.0476
L	17-88.00	55.00	762265.4848	1628534.8236
L	17-91.00	95.00	762270.0586	1628574.6743
L	18-02.00	91.00	762280.8924	1628570.2440
L	19-42.00	-65.54	762414.6156	1628408.3093
L	19-42.00	-90.00	762413.6518	1628383.8682
L	19-49.00	-80.00	762421.0404	1628393.5846
L	19-49.00	-90.00	762420.6464	1628383.5924
L	19-63.00	-65.54	762435.5994	1628407.4838
L	19-63.00	-80.00	762435.0295	1628393.0330
L	27-30.06	77.00	763207.6775	1628519.6869
L	28-13.00	70.00	763290.2798	1628509.4242
L	28-13.00	55.00	763289.6888	1628494.4359
L	28-43.00	55.00	763319.6655	1628493.2538
L	28-43.00	70.00	763320.2565	1628508.2421
L	29-80.00	55.00	763456.5591	1628487.8556
L	29-80.00	90.00	763457.9382	1628522.8285
L	29-80.00	100.00	763458.3322	1628532.8207
L	29-89.00	100.00	763467.3252	1628532.4661
L	29-89.00	90.00	763466.9312	1628522.4738
L	31-00.00	55.00	763576.4659	1628483.1273
L	31-00.00	90.00	763577.8450	1628518.1001
L	32-58.00	98.00	763736.0375	1628519.8683
L	32-58.00	88.00	763735.6435	1628509.8761
L	32-67.00	87.00	763744.5971	1628508.5222
L	32-67.00	98.00	763745.0305	1628519.5137
L	35-63.82	84.00	764041.0672	1628493.8291
L	36-10.00	140.87	764089.4534	1628548.8361
L	36-29.00	165.00	764109.3894	1628572.1979
L	36-58.00	140.94	764137.4188	1628547.0132
L	37-34.68	82.00	764211.7120	1628485.0985
L	42-55.00	-65.69	764725.8136	1628317.0246
L	43-17.00	86.00	764793.7423	1628466.1502
L	43-18.00	76.00	764794.3475	1628456.1186
L	43-26.00	86.00	764802.7353	1628465.7956
L	43-27.00	76.00	764803.3405	1628455.7640
L	44-35.00	83.00	764911.5324	1628458.5030
L	44-40.00	75.00	764916.2133	1628450.3122
L	44-48.00	91.00	764924.8376	1628465.9846
L	45-07.00	309.00	764994.5795	1628681.3612
L	45-30.00	-66.68	764998.9498	1628304.8837
L	45-30.00	-86.00	764997.7273	1628285.6054
L	45-32.00	301.00	765024.6524	1628671.6735
L	45-38.00	-89.00	765005.0013	1628282.1162
L	45-40.00	301.00	765034.3877	1628671.0134
L	45-40.00	310.00	765035.0228	1628679.9909
L	45-44.00	-75.00	765011.6260	1628295.6784
L	46-60.00	-64.87	765122.1030	1628293.0030
L	46-60.00	-77.00	765120.1926	1628281.0293
L	46-80.00	-107.00	765133.6517	1628248.3662
L	47-11.00	-61.06	765170.6687	1628288.2008
L	47-11.00	-74.00	765168.1554	1628275.5056
L	47-17.00	-84.00	765171.9351	1628264.5541
L	47-59.00	47.65	765238.9407	1628385.4114
L	47-59.00	65.00	765242.3432	1628402.4225
L	47-89.00	46.10	765268.0530	1628378.0026
L	47-89.00	65.00	765271.7605	1628396.5385
L	48-65.00	60.00	765345.3037	1628376.7295
L	48-65.00	42.16	765341.8042	1628359.2338
L	48-95.00	40.60	765370.9166	1628351.8250
L	48-95.00	60.00	765374.7210	1628370.8455
L	49-90.00	38.78	765461.8342	1628334.2956
L	49-90.00	64.00	765465.2673	1628359.2794
L	49-98.00	-70.00	765455.3594	1628225.4065
L	49-98.00	-60.00	765456.6629	1628235.3212
L	50-00.00	64.00	765474.7160	1628358.0162
L	50-00.00	38.30	765471.4038	1628332.5342
L	50-00.00	55.00	765473.5559	1628349.0913
L	50-08.00	-60.00	765467.0166	1628233.9984
L	50-08.00	-70.00	765465.7856	1628224.0745
L	50-25.00	36.80	765495.3625	1628328.1242
L	50-25.00	55.00	765497.3790	1628346.2155
L	50-46.00	-61.00	765506.3463	1628228.6667
L	50-46.00	-76.00	765504.9133	1628213.7353
L	50-54.00	-76.00	765512.9974	1628212.9705
L	50-54.00	-61.00	765514.4068	1628227.9042
L	51-34.80	76.00	765607.7209	1628356.7063
L	51-50.00	78.00	765623.0424	1628357.2691
L	51-65.00	-32.59	765627.5851	1628245.7589
L	51-65.00	-37.00	765627.1708	1628241.3685
L	51-65.00	54.00	765635.7211	1628331.9659
L	51-69.00	28.54	765637.3110	1628306.2406

PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	11-01.00	47.00	762077.3692	1628587.8949
Y	12-00.00	-18.52	762145.9614	1628684.7929
Y	12-00.00	-52.00	762179.4238	1628683.7429
Y	12-07.00	19.79	762107.8893	1628692.9898
Y	12-07.00	35.00	762092.6860	1628693.4667
Y	12-12.00	-18.55	762146.3666	1628696.7856
Y	12-12.00	-52.00	762179.8000	1628695.7370

PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y5	10-62.17	-43.38	762970.1324	1628515.0432
Y5	11-94.00	-21.01	762950.3924	1628647.2966
Y5	11-94.00	-37.00	762966.3805	1628646.9782

PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y7	10-35.00	23.13	763170.5195	1628304.5954

PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y9	10-85.00	-30.00	763898.2796	1628500.4601
Y9	10-86.00	44.00	763824.3765	1628504.3761
Y9	12-41.00	16.87	763857.5958	1628658.1862
Y9	12-41.00	37.00	763837.4805	1628658.9797

PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y12	10-77.84	-32.00	764590.4400	1628466.0955
Y12	10-79.82	34.00	764524.5564	1628470.4841

PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y13	10-23.00	-23.38	764692.9397	1628219.7169

PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y14	11-29.00	39.62	764798.2618	1628280.4348
Y14	11-40.00	56.00	764781.7415	1628291.2212

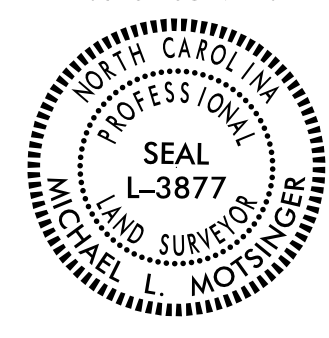
PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y15	11-45.00	26.00	764972.1134	1628514.8508

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.

RIGHT OF WAY CONTROL SHEET

<small>PROJECT REFERENCE NO.</small> U-5757	<small>SHEET NO.</small> RW03E-3
Location and Surveys	
ENTER CONSULTANT'S NAME IN THIS BOX	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y15	11+45.00	-12.50	765010.5670	1628516.7415
Y15	11+45.00	12.50	764985.5971	1628515.5138

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	44+30.37	-72.00	764900.8003	1628303.8058
L	45+30.00	-75.00	764998.4234	1628296.5833
L	50+08.00	-32.30	765470.4262	1628261.4845
L	50+35.00	-31.84	765497.9321	1628258.8116
L	50+35.00	-60.00	765495.0171	1628230.8049
L	52+10.00	53.00	765680.4280	1628326.7422
L	52+17.00	27.59	765685.0100	1628300.7916
L	52+19.00	55.00	765689.5761	1628327.8877
L	52+26.25	27.42	765694.2027	1628299.7495

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y	12+86.00	-52.00	762182.1196	1628769.7007
Y	12+86.00	-18.73	762148.8654	1628770.7436
Y	12+90.81	-52.00	762182.2703	1628774.5057
Y	12+93.00	19.66	762110.7113	1628778.9436
Y	12+93.00	34.00	762096.3813	1628779.3930

ROW MARKER PERMANENT EASEMENT-E

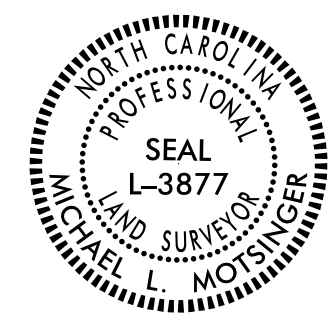
ALIGN	STATION	OFFSET	NORTH	EAST
Y15	12+34.00	-12.50	765003.2180	1628606.2460
Y15	12+56.00	12.50	764975.7079	1628625.0115
Y15	12+97.00	-51.00	765034.6602	1628670.7750
Y15	12+98.00	-41.00	765024.6223	1628671.0307
Y15	13+07.00	-52.00	765035.1558	1628679.7868
Y15	13+11.00	-12.50	764995.5337	1628681.8639

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 November 2023 to December 2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 8th day of February, 2024.

DocuSigned by:

Professional Land Surveyor L-3877



REVISIONS

08-FEB-2024 16:36
C:\Users\mmotsinger\Documents\Right of Way Staking\survey control sheet revisions\tobechecked\U5757_LS-rw03e-3.dgn
mmotsinger

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 _____ .

Location and Surveys

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

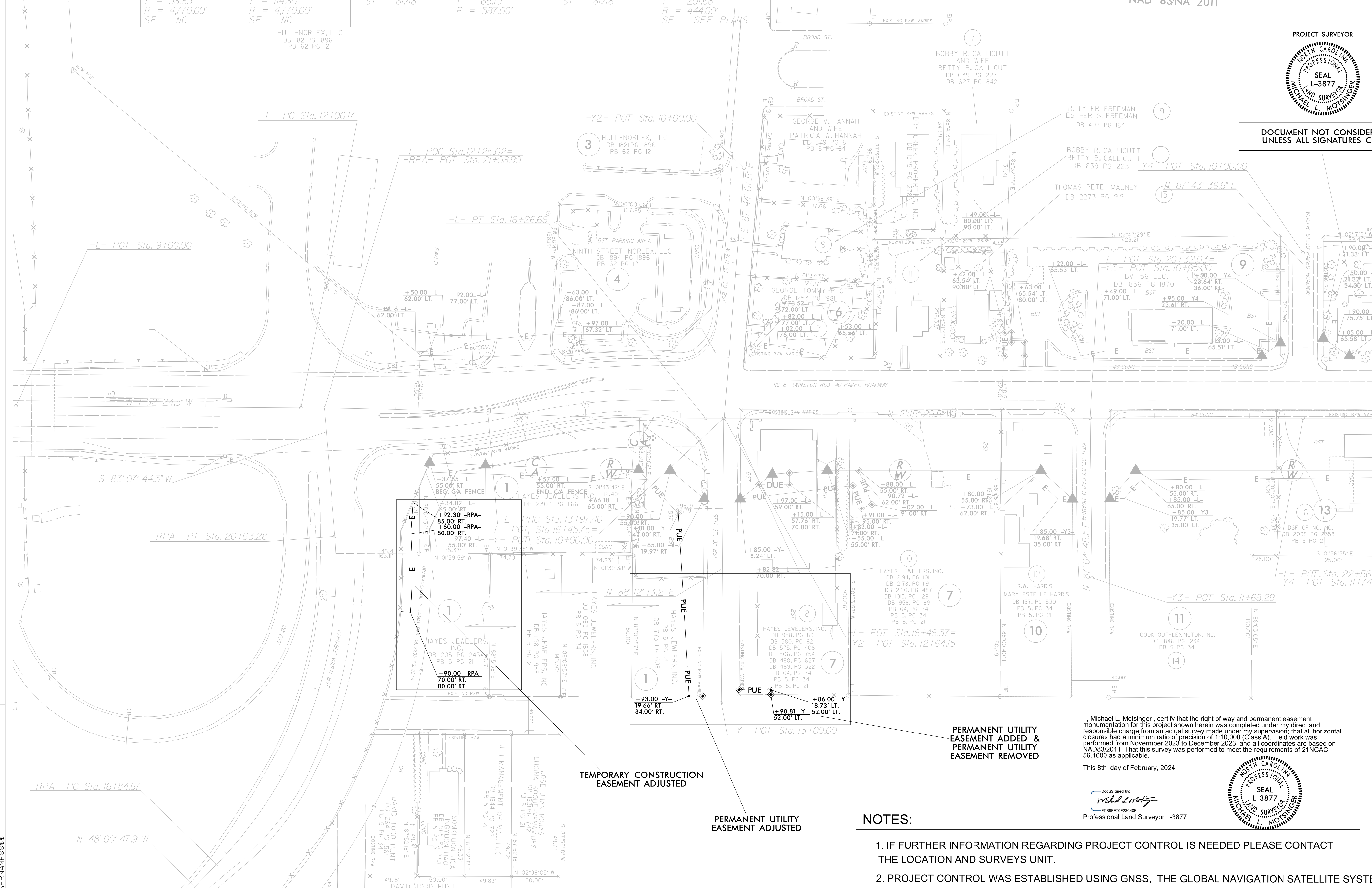
-L-		-RPA-		-L-		-RPA-	
PI Sta 12+98.80	PI Sta 15+12.06	PIs Sta 11+97.82	PI Sta 13+24.10	PIs Sta 14+50.14	PI Sta 18+86.34		
$\Delta = 2' 22'' 08.7''$ (RT)	$\Delta = 2' 45'' 13.7''$ (LT)	$\Theta_s = 8' 58'' 47.7''$	$\Delta = 12' 39'' 23.3''$ (RT)	$\Theta_s = 8' 58'' 47.7''$	$\Delta = 48' 51'' 27.8''$ (LT)		
D = 1' 12' 04.2"	D = 1' 12' 04.2"	Ls = 184.00'	D = 9' 45' 38.8"	Ls = 184.00'	D = 12' 54' 16.0"		
L = 197.23'	L = 229.26'	LT = 122.82'	L = 129.67'	LT = 122.82'	L = 378.61'		
T = 98.63'	T = 114.65'	ST = 61.48'	T = 65.10'	ST = 61.48'	T = 201.68'		
R = 4,770.00'	R = 4,770.00'		R = 587.00'		R = 444.00'		
SE = NC	SE = NC				SE = SEE PLANS		

DAVIDSON COUNTY SHELTERED WORKSHOP, INC.



REVISIONS

MATCHLINE -L- STA. 23 + 50.00 SEE SHEET 5



PERMANENT UTILITY EASEMENT ADJUSTED & PERMANENT UTILITY EASEMENT REMOVED

TEMPORARY CONSTRUCTION EASEMENT ADJUSTED

PERMANENT UTILITY EASEMENT ADJUSTED

I, Michael L. Molsinger, certify that the right of way and permanent easement 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 November 2023 to December 2023, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 8th day of February, 2024.

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

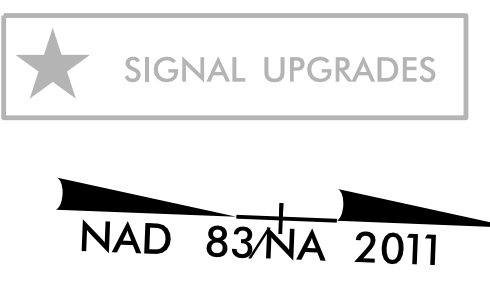


NOTES:

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 _____.

6/22/09
 REVISIONS
 MATCHLINE -L- STA. 37 + 50.00
 SEE SHEET RW05
 NOV-2018 08:29 0046.021 U-5757_ROW_Staking_of_NC-8\Locations\Surveys\Submittals\191031_RW_Sheets_Revisions\U-5757_1s_rw06.dgn
 P:\Projects\191031_RW_Sheets_Revisions\U-5757_1s_rw06.dgn

-L-	
PI Sta 46+05.70 Δ = 9°03'09.9" (LT) D = 4'10" 55.8" L = 216.46' T = 108.46' R = 1,370.00' SE = 0.03 RO = III'	PI Sta 49+77.46 Δ = 5°55'10.2" (RT) D = 4'10" 55.8" L = 141.54' T = 70.83' R = 1,370.00' SE = 0.03 RO = SEE PLANS
-YII-	
PI Sta 10+72.84 Δ = 29°40'13.2" (RT) D = 20'50" 05.4" L = 142.41' T = 72.84' R = 275.00' SE = SEE PLANS	PI Sta 12+17.47 Δ = 30°13'37.4" (LT) D = 114'35" 29.6" L = 26.38' T = 13.50' R = 50.00' SE = SEE PLANS



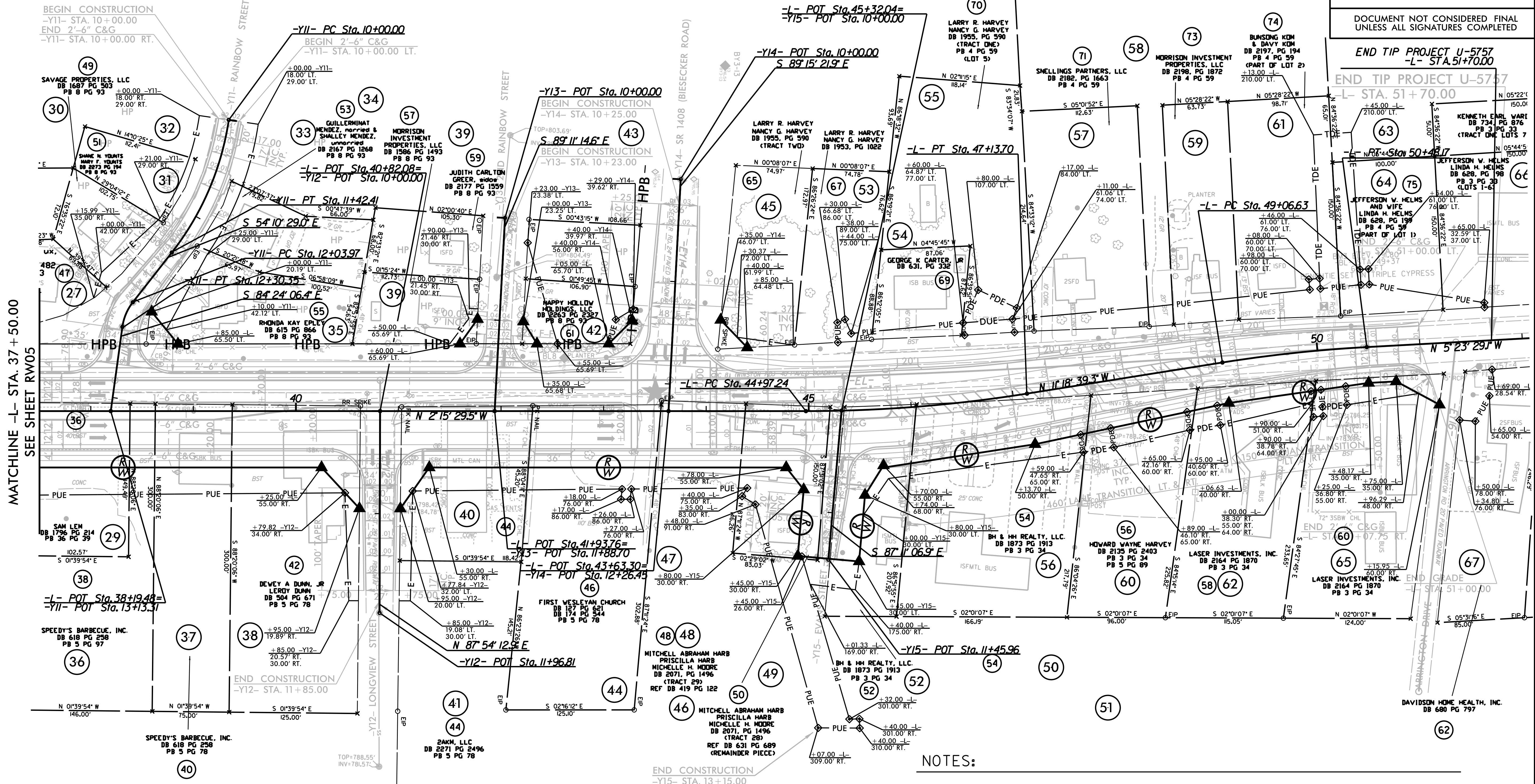
I, Michael Ross, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures. I further 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. I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 29th day of July, 2019.

DocuSigned by:
 Michael Ross
 BEA98937EAE94A0

Professional Land Surveyor PLS # L-5322 Seal

PROJECT REFERENCE NO. U-5757	SHEET NO. RW06
Location and Surveys	
 DRMP DRMP, INC. 8000 REGENCY PARKWAY, SUITE 110 CARY, NC 27518 PHONE: (919) 650 1038	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



- 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.

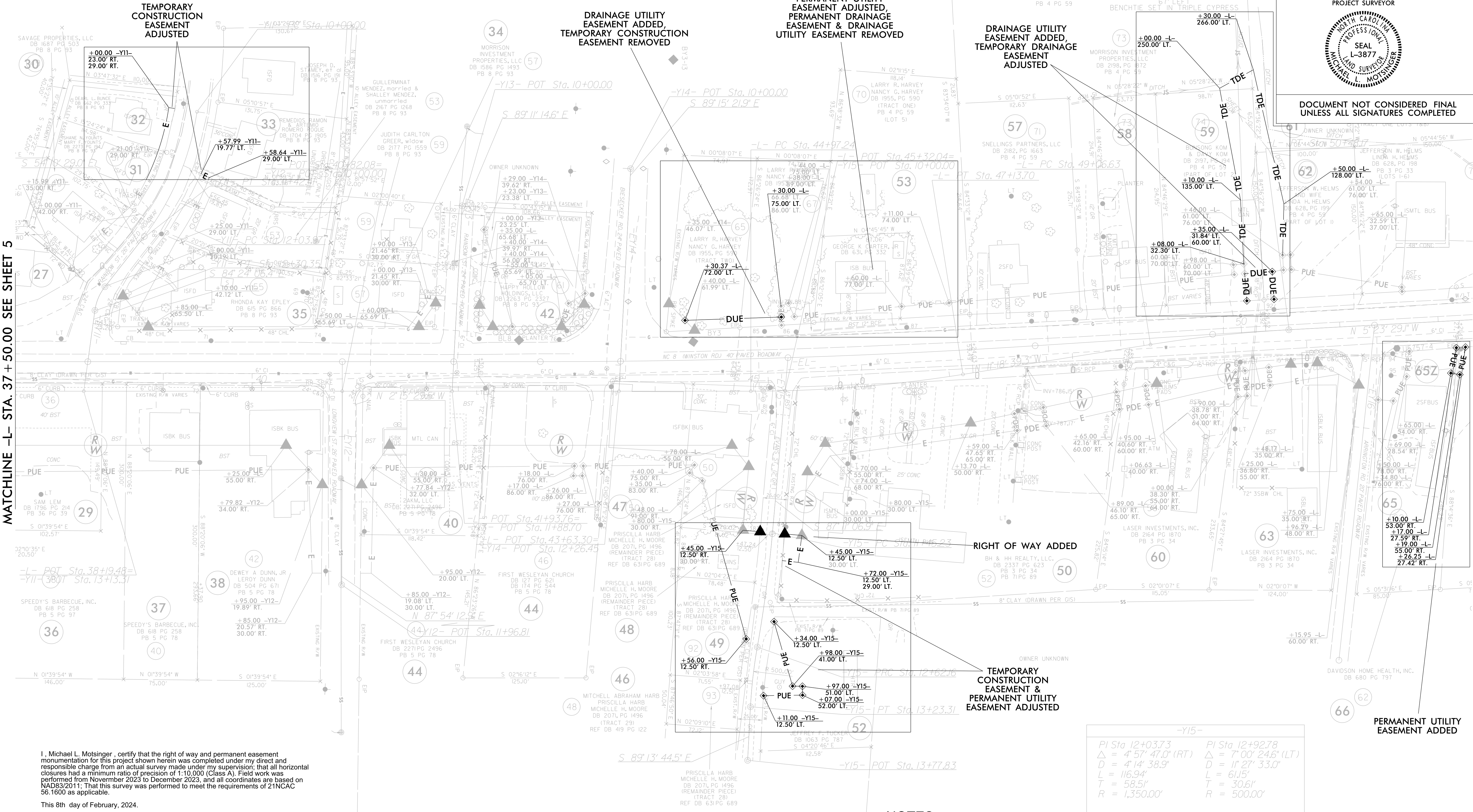
Location and Surveys

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-L-		-Y11-	
PI Sta 46+05.70 Δ = 9° 03' 09.9" (LT) D = 4' 10' 55.8" L = 216.46' T = 108.46' R = 1,370.00' SE = 0.03 RO = III'	PI Sta 49+77.46 Δ = 5° 55' 10.2" (RT) D = 4' 10' 55.8" L = 141.54' T = 70.83' R = 1,370.00' SE = 0.03 RO = SEE PLANS	PI Sta 10+72.84 Δ = 29° 40' 13.2" (RT) D = 20' 50' 05.4" L = 142.41' T = 72.84' R = 275.00' SE = SEE PLANS	PI Sta 12+17.47 Δ = 30° 13' 37.4" (LT) D = 11° 35' 29.6" L = 26.38' T = 13.50' R = 50.00' SE = SEE PLANS



MATCHLINE -L- STA. 37 + 50.00 SEE SHEET 5

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 November 2023 to December 2023, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 8th day of February, 2024.

Designed by

 Professional Land Surveyor L-3877



-Y15-	
PI Sta 12+03.73 Δ = 4° 57' 47.0" (RT) D = 4' 14' 38.9" L = 116.94' T = 58.51' R = 1,350.00'	PI Sta 12+92.78 Δ = 7° 00' 24.6" (LT) D = 11' 27' 33.0" L = 61.15' T = 30.61' R = 500.00'

NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____.

REVISIONS

6/2/09