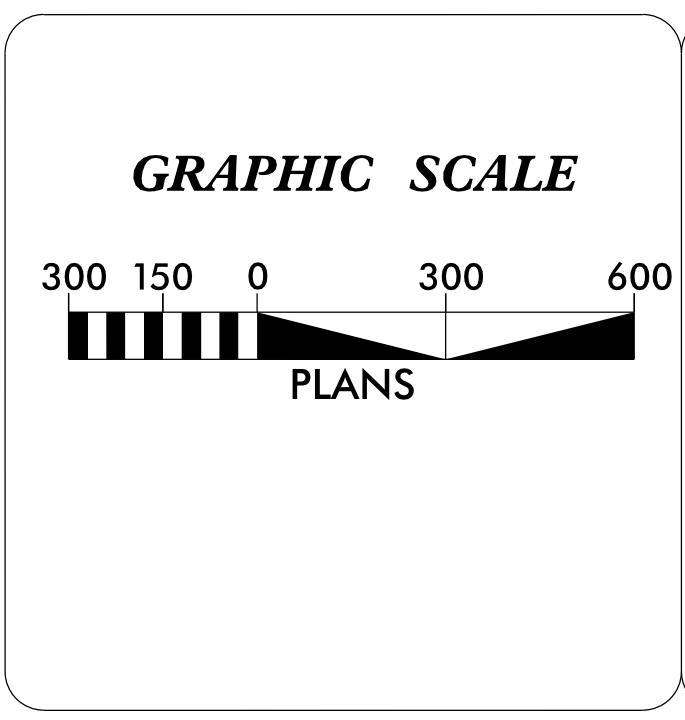
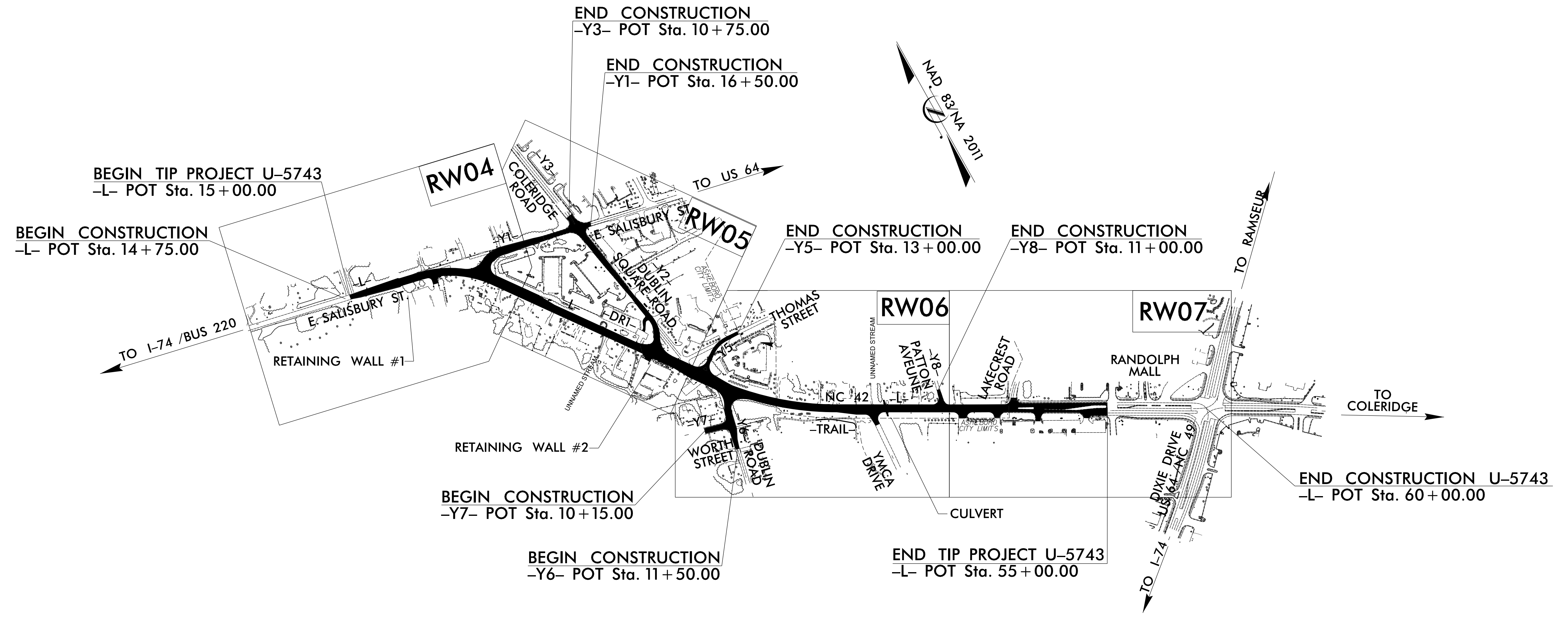


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5743	RW01	12

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 SURVEY CONTROL, EXISTING CENTERLINES,
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES
RANDOLPH COUNTY

TIP PROJECT: U-5743



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "U5743-3" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 711297.4780 (ft) EASTING: 1764128.1020 (ft) ELEVATION: 793.812 (ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998701969

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U5743-3" TO -L- STATION 35+00 IS N 19°25'26".00 W 81.90(ft)

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

Prepared in the Office of:

GEOSPHERE LAND SURVEYING OF NC
 128 TALBERT ROAD
 MOORESVILLE NC 28117
 FIRM C-5241

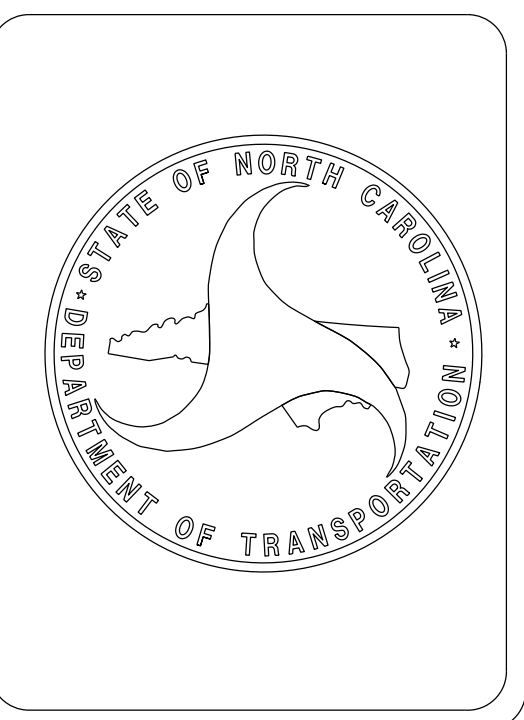
2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: OCTOBER 20, 2021

LETTING DATE: JUNE 16, 2026


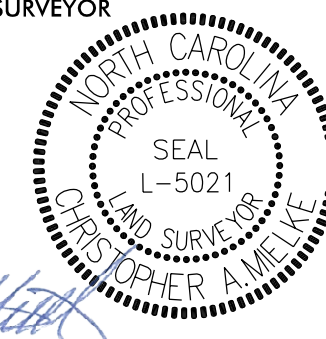
DocuSigned by:
 Sarah Vincent
 SIGNATURE: _____

Date: 3/6/2026



06-MAR-2026 08:23
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 USLGT29784 AT 42HYHW

09/08/99

PROJECT REFERENCE NO. U-5743	SHEET NO. RW02C-1
Location and Surveys	
	
<small>WSP USA Inc. 128 TALBERT ROAD SUITE A MOORESVILLE, NC 28117 TEL: 704.662.0100 WWW.WSP.COM</small>	
PROJECT SURVEYOR	
	
<small>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</small>	

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW2C-4
FOR FURTHER
ALIGNMENT DETAILS

I, Christopher A. Mielke, PLS, certify that the Project Control was verified 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: Conventional
 Dates of survey: 11/09/21 - 12/07/21
 Published/Fixed-control use: Project Control
 Localized around: U5743-3
 Northing: 711297.4780
 Easting: 1764128.1020
 Combined grid factor: 0.9998701969
 Geoid model: 12B
 Units: US Survey Foot

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.

REVISIONS

15-DEC-2021 10:45
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 USWH702295 AT 10/12/23


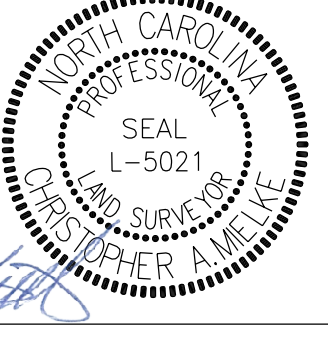
MATCHLINE SEE SHEET 2
 -EL- STA 39+50.00

6/2/09

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



PROJECT REFERENCE NO. U-5743	SHEET NO. RW02C-2
Location and Surveys	
	
<small>WSP USA Inc. 128 TALBERT ROAD SUITE A MOORESVILLE, NC 28117 TEL: 704.662.0100 WWW.WSP.COM</small>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Christopher A. Mielke, PLS, certify that the Project Control was verified 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: Conventional
 Dates of survey: 11/09/21 - 12/07/21
 Published/Fixed-control use: Project Control
 Localized around: U5743-3
 Northing: 711297.4780
 Easting: 1764128.1020
 Combined grid factor: 0.9998701969
 Geoid model: 12B
 Units: US Survey Foot

REVISIONS



MATCHLINE SEE SHEET 1
-EL- STA 39+50.00

SEE SHEET RW2C-4
FOR FURTHER
ALIGNMENT DETAILS

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.

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REVISIONS

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 USWH702295 AT 101LZ33

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5743	SHEET NO. RW02C-3
Location and Surveys	
	WSP USA Inc. 128 TALBERT ROAD SUITE A MOORESVILLE, NC 28117 TEL: 704.662.0100 WWW.WSP.COM

BL	POINT	DESC.	NORTH	EAST	ELEVATION
101		BL-101	709787.0980	1766736.3420	789.40
2		U5743-2	709962.1070	1766274.5170	797.13
102		BL-102	710345.5130	1765625.3810	792.27
103		BL-103	710643.9820	1765080.9020	771.84
104		BL-104	710967.4740	1764520.7090	768.68
3		U5743-3	711297.4780	1764128.1020	793.81
105		BL-105	711568.1730	1763989.5690	794.55
4		U5743-4	711955.8280	1763693.7840	788.87
110		BL-110	712573.6250	1763225.1180	829.50

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
1		U5743-1	709565.5960	1765809.8990	785.97
106		BY1-106	710443.4710	1766523.6690	802.57

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
107		BY2-107	711118.0990	1764033.8570	785.63

BY3	POINT	DESC.	NORTH	EAST	ELEVATION
109		BY3-109	711968.7890	1763964.4640	796.11
111		BY3-111	712423.3790	1763918.7240	807.27

BY3A	POINT	DESC.	NORTH	EAST	ELEVATION
108		BY3A-108	711526.9270	1764420.6940	799.13

 BM1 ELEVATION = 791.53
 N 709622 E 1766725
 BM1 RRS IN 15" PINE

 BM2 ELEVATION = 770.40
 N 710490 E 1765068
 BM2 CHISLED SQUARE NW CORNER OF CONCRETE BASE


 BM3 ELEVATION = 854.02
 N 712703 E 1762781
 BM3 RRS IN 12" PINE

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.	SHEET NO.
U-5743	RW02C-4
Location and Surveys	
	
<small>WSP USA Inc. 128 TALBERT ROAD SUITE A MOORESVILLE, NC 28117 TEL: 704.662.0100 WWW.WSP.COM</small>	

REVISIONS

EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	709333.791	1767313.038	N 53°53'57.1" W	752.51	13°11'53.4"(LT)	01°45'00.0"	754.18	378.77	3274.04
CURVE									
PT	709777.178	1766705.021	N 60°29'53.8" W	895.10					
LINE									
PC	710217.970	1765925.978	N 60°53'32.3" W	157.62	00°47'17.1"(LT)	00°30'00.0"	157.62	78.81	11459.16
CURVE									
PT	710294.642	1765788.268	N 61°17'10.9" W	649.73					
LINE									
PC	710606.796	1765218.431	N 61°03'53.9" W	77.28	00°26'33.9"(RT)	00°34'22.6"	77.28	38.64	10000.00
CURVE									
PT	710644.183	1765150.802	N 60°50'37.0" W	644.37					
LINE									
PC	710958.118	1764588.076	N 48°49'46.6" W	666.08	24°01'40.8"(RT)	03°34'51.6"	670.99	340.50	1600.00
CURVE									
PT	711396.600	1764086.680	N 36°48'56.2" W	190.39					
LINE									
PC	711549.021	1763972.590	N 36°34'23.5" W	13.54	00°29'05.3"(RT)	03°34'51.6"	13.54	6.77	1600.00
CURVE									
PT	711559.893	1763964.523	N 36°19'50.8" W	1219.53					
LINE									
POT	712542.356	1763242.019							

EY1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	709463.433	1765605.309	N 47°07'06.7" E	774.83	10°20'42.3"(LT)	01°20'00.0"	775.88	389.00	4297.18
CURVE									
PT	709990.690	1766173.073	N 41°56'45.5" E	565.34					
LINE									
POT	710411.176	1766550.963							

EY2				
POINT	N	E	BEARING	DIST
POT	710884.899	1763997.937	N 12°28'34.3" E	498.63
LINE				
POT	711371.755	1764105.658		

EY3				
POINT	N	E	BEARING	DIST
POT	711473.469	1764029.141	N 10°01'13.5" W	950.78
LINE				
POT	712409.746	1763863.707		

EY3A									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	711556.439	1764014.481	S 88°07'56.9" E	316.22					
LINE									
PC	711546.133	1764330.535	S 87°22'54.8" E	26.20	01°30'04.2"(RT)	05°43'46.5"	26.20	13.10	1000.00
CURVE									
PT	711544.937	1764356.708	S 86°37'52.7" E	99.03					
LINE									
POT	711539.118	1764455.566							

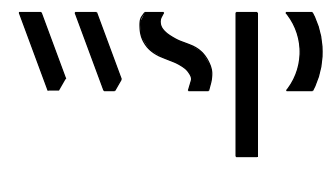

EY4									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	712774.687	1762166.547	S 77°45'35.4" E	624.62					
LINE									
PC	712642.261	1762776.972	S 77°51'33.7" E	398.10	00°11'56.6"(LT)	00°03'00.0"	398.10	199.05	114591.56
CURVE									
PT	712558.535	1763166.171	S 77°57'32.0" E	1185.93					
LINE									
POT	712311.134	1764326.007							

EY4A				
POINT	N	E	BEARING	DIST
POT	712408.304	1763870.464	N 09°29'21.9" W	524.94
LINE				
POT	712926.058	1763783.920		

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.

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5743	RW03E-1
Location and Surveys	
 GEOSPHERE LAND SURVEYING OF NC 128 TALBERT ROAD MOORESVILLE, NC 28117 FIRM C-5241	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER REBAR AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	15+00.00	40.00	712622.8664	1762677.6993
L	15+00.00	30.00	712632.6391	1762679.8194
L	16+65.00	-30.02	712656.3157	1762853.7939
L	17+70.00	-32.00	712635.9871	1762956.8262
L	17+70.00	36.00	712569.5329	1762942.4096
L	17+70.00	80.00	712526.5331	1762933.0811
L	17+80.00	80.00	712524.4130	1762942.8538
L	18+00.00	59.00	712540.6954	1762966.8514
L	18+68.25	-32.00	712615.1580	1763052.8385
L	19+00.00	56.00	712522.3101	1763061.7579
L	19+07.87	-32.00	712604.7361	1763093.5181
L	19+15.00	68.00	712507.0474	1763071.0696
L	19+20.00	32.00	712540.0091	1763086.2362
L	19+20.00	68.00	712505.7331	1763075.2290
L	22+53.70	32.00	712359.7768	1763336.6934
L	22+53.70	-44.00	712404.7965	1763397.9243
L	24+85.00	-44.00	712218.4430	1763534.9400
L	25+85.00	-32.00	712130.7677	1763584.5084
L	30+42.56	-32.00	711762.1239	1763855.5521
L	30+82.00	-50.00	711741.0124	1763893.4159
L	31+50.00	32.00	711637.6529	1763867.6319
L	31+50.00	53.00	711625.2133	1763850.7128
L	31+59.00	53.00	711617.9623	1763856.0441
L	31+59.00	41.00	711625.0706	1763865.7121
L	31+62.00	38.00	711624.4307	1763869.9062
L	32+60.00	38.00	711545.4751	1763927.9580
L	32+75.00	45.00	711529.2435	1763931.2038
L	33+60.00	44.00	711461.3539	1763982.3605
L	33+68.23	-51.00	711430.4330	1764123.0094
L	34+78.42	44.00	711365.9457	1764052.5090
L	36+09.23	-32.00	711173.3006	1764332.6133
L	36+75.00	46.86	711209.2492	1764180.6309
L	38+34.41	-32.00	711157.2754	1764351.3379
L	46+00.00	-50.00	710780.5826	1765008.9346
L	47+00.00	-50.00	710731.8631	1765096.2640

ROW MARKER REBAR AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+25.00	33.32	712462.4715	1763424.7818

ROW MARKER REBAR AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+12.00	-44.00	711761.3252	1763918.6893
Y2	11+92.48	-30.00	711820.3802	1763937.3795

ROW MARKER REBAR AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y5	11+29.26	30.00	711494.6996	1764172.8947
Y5	12+40.00	31.29	711517.1759	1764258.4279

ROW MARKER REBAR AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y6	11+58.04	25.39	711033.7230	1764056.8669
Y6	11+60.00	-24.59	711046.4333	1764008.4909
Y6	12+50.00	40.00	711120.3539	1764091.0010
Y6	12+57.18	-40.00	711144.6492	1764014.4417
Y6	13+47.95	-24.00	711232.6642	1764052.1283
Y6	13+65.00	40.00	711221.7038	1764117.1244
Y6	13+90.82	-38.27	711284.5373	1764064.2832

ROW MARKER REBAR AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y7	11+05.00	-24.31	711193.6870	1764021.5852

ROW MARKER REBAR AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y8	11+00.00	-17.50	710804.1554	1765050.1910
Y8	11+00.00	12.51	710797.7255	1765079.5068

NOTES:

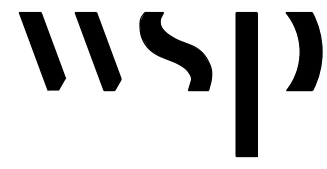

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED L-10+00 TO L- 55+00.

I, Sarah J. Vincent, 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 3/2/2026 to 3/5/2026, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 6th day of March, 2026.
 Signed by:
 Sarah Vincent
 Professional Land Surveyor L-5617

REVISIONS
 QC: MAR 2026 08:35 as Central Data \USRA0300\Projects\Survey\NCD001\U-5743\Drawings\U-5743.LS.RW03E-1.WSP-1.dgn
 USL 0725784

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5743	RW03E-2
Location and Surveys	
	
<small>GEOSPHERE LAND SURVEYING OF NC 128 TALBERT ROAD MOORESVILLE, NC 28117 FIRM C-5241</small>	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
L	15+00.00	-45.00	712705.9342	1762695.7201
L	15+00.00	-30.00	712691.2752	1762692.5400
L	16+00.00	-70.00	712709.1649	1762798.7471
L	17+05.00	36.96	712582.3724	1762878.6830
L	17+05.00	125.00	712496.3367	1762860.0183
L	17+35.00	125.00	712489.9764	1762889.3363
L	18+00.00	-70.00	712666.7629	1762994.2006
L	18+70.00	-60.00	712642.1046	1763060.6816
L	18+70.00	-78.00	712659.6827	1763064.5556
L	18+90.00	-32.00	712609.8105	1763075.2687
L	18+90.00	-60.00	712636.9090	1763082.3166
L	18+90.00	-78.00	712654.3294	1763086.8474
L	19+20.00	45.00	712527.6317	1763082.2614
L	19+95.00	-85.00	712619.0894	1763202.6650
L	19+95.00	-70.00	712605.5921	1763196.1210
L	20+10.00	-90.00	712615.7185	1763220.5130
L	20+25.00	-56.15	712577.8350	1763219.4965
L	21+00.00	52.00	712446.3711	1763223.5508
L	22+00.00	72.00	712314.8909	1763320.0474
L	22+00.00	55.00	712324.9611	1763333.7438
L	23+00.00	-44.00	712367.4919	1763425.3524
L	23+05.00	72.00	712294.7492	1763334.8565
L	23+05.00	57.00	712303.6347	1763346.9416
L	25+45.00	-36.80	712165.8378	1763564.6810
L	25+45.00	-53.00	712175.4341	1763577.7329
L	25+75.00	-50.00	712149.4869	1763593.0868
L	26+85.00	-50.00	712060.8633	1763658.2470
L	26+85.00	-32.00	712050.2007	1763643.7449
L	27+15.00	-32.00	712026.0306	1763661.5159
L	27+15.00	-50.00	712036.6932	1763676.0179
L	28+20.00	-32.00	711941.4353	1763723.7142
L	28+20.00	-50.00	711952.0979	1763738.2163
L	28+45.00	70.00	711860.8723	1763656.3451
L	28+45.00	85.00	711851.9868	1763644.2600
L	28+65.00	70.00	711844.7589	1763668.1924
L	28+65.00	32.00	711867.2688	1763698.8078
L	28+65.00	85.00	711835.8734	1763656.1073
L	28+70.00	-32.00	711901.1518	1763753.3325
L	28+70.00	-50.00	711911.8144	1763767.8345
L	28+90.00	-50.00	711895.7010	1763779.6818
L	28+90.00	-32.00	711885.0384	1763765.1798
L	28+95.00	32.00	711843.0987	1763716.5788
L	28+95.00	70.00	711820.5888	1763685.9633
L	30+75.00	85.00	711666.6828	1763780.5040
L	30+75.00	70.00	711675.5683	1763792.5890
L	31+08.00	70.00	711648.9812	1763812.1371
L	31+08.00	85.00	711640.0957	1763800.0520
L	32+75.00	85.00	711505.5489	1763898.9770
L	32+75.00	70.00	711514.4344	1763911.0621
L	33+00.00	90.00	711482.4453	1763909.7578
L	33+08.00	65.00	711490.8091	1763934.6385
L	33+35.00	55.00	711474.9797	1763958.6890

ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
L	33+62.26	-72.00	711447.6778	1764136.3953
L	34+85.00	55.00	711353.9437	1764047.6987
L	35+35.00	-71.00	711391.2538	1764177.9014
L	35+35.00	-86.00	711400.5887	1764189.6427
L	35+67.00	-69.00	711366.3175	1764195.5876
L	35+67.00	-86.00	711377.1785	1764208.6658
L	36+30.00	-75.00	711324.9267	1764239.3939
L	36+30.00	-70.00	711321.5712	1764235.6871
L	36+52.00	-77.00	711310.8869	1764254.9890
L	36+60.00	-55.00	711290.2691	1764244.1540
L	36+80.00	76.00	711185.2858	1764163.2569
L	36+84.00	-52.24	711271.6380	1764258.1550
L	36+85.00	88.00	711173.1462	1764158.3134
L	37+00.00	66.00	711177.3191	1764185.0579
L	37+03.00	82.00	711163.8039	1764175.9338
L	37+30.00	46.76	711169.1344	1764220.7210
L	39+03.00	-76.00	711150.1759	1764430.4297
L	39+08.00	-65.00	711138.5412	1764427.5418
L	39+53.00	-65.00	711112.9914	1764462.1881
L	39+53.00	-44.63	711096.4169	1764450.3449
L	39+80.00	-58.00	711092.3966	1764479.3718
L	39+80.00	-46.41	711082.8459	1764472.8038
L	41+00.00	49.48	710937.7530	1764523.3051
L	41+80.00	-50.00	710985.2047	1764642.1516
L	41+80.00	-65.00	710998.3041	1764649.4595
L	42+20.00	-65.00	710978.8163	1764684.3912
L	42+20.00	-50.00	710965.7169	1764677.0833
L	42+30.00	75.00	710851.6833	1764624.9168
L	42+40.00	-207.00	711093.0800	1764771.0388
L	42+45.00	-185.00	711071.4315	1764764.6870
L	43+05.00	-235.00	711085.8645	1764841.4443
L	43+15.00	-207.00	711056.5403	1764836.5358
L	43+25.00	-75.00	710936.3937	1764780.9589
L	43+25.00	-50.00	710914.5614	1764768.7791
L	43+45.00	-250.00	711079.4761	1764883.6840
L	43+50.00	-75.00	710924.2138	1764802.7913
L	44+05.00	-75.00	710897.4181	1764850.8224
L	44+10.00	75.00	710763.9881	1764782.1096
L	44+15.00	-50.00	710870.7138	1764847.3754
L	44+55.00	50.00	710763.8967	1764833.5876
L	44+55.00	75.00	710742.0643	1764821.4077
L	44+60.00	-50.00	710848.7900	1764886.6736
L	44+60.00	-60.00	710857.5229	1764891.5456
L	44+82.00	352.00	710487.0079	1764710.0336
L	44+90.00	-50.00	710834.1741	1764912.8724
L	44+90.00	-60.00	710842.9071	1764917.7444
L	45+21.00	342.00	710476.7402	1764748.9639

ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+10.00	-48.59	712540.3551	1763395.2056
Y1	11+30.00	55.00	712441.3023	1763430.6629
Y1	11+45.00	-45.00	712541.7151	1763440.8619
Y1	11+45.00	37.57	712459.1417	1763440.3922
Y1	12+95.00	-50.00	712517.5068	1763598.1914
Y1	12+95.00	-30.00	712497.9469	1763594.0191
Y1	14+00.00	-30.00	712476.0424	1763696.7089

ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
Y6	10+50.00	40.00	710925.0767	1764047.7942
Y6	10+50.00	24.05	710928.5234	1764032.2166
Y6	12+50.00	75.00	711112.7927	1764125.1745
Y6	12+50.00	60.00	711116.0332	1764110.5287
Y6	12+75.00	60.00	711140.4429	1764115.9295
Y6	12+75.00	75.00	711137.2024	1764130.5753
Y6	13+30.00	65.00	711191.4640	1764132.3680

I, Sarah J. Vincent, 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 3/2/2026 to 3/5/2026, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 6th day of March, 2026.
 Sarah Vincent
 Professional Land Surveyor L-5617



NOTES:

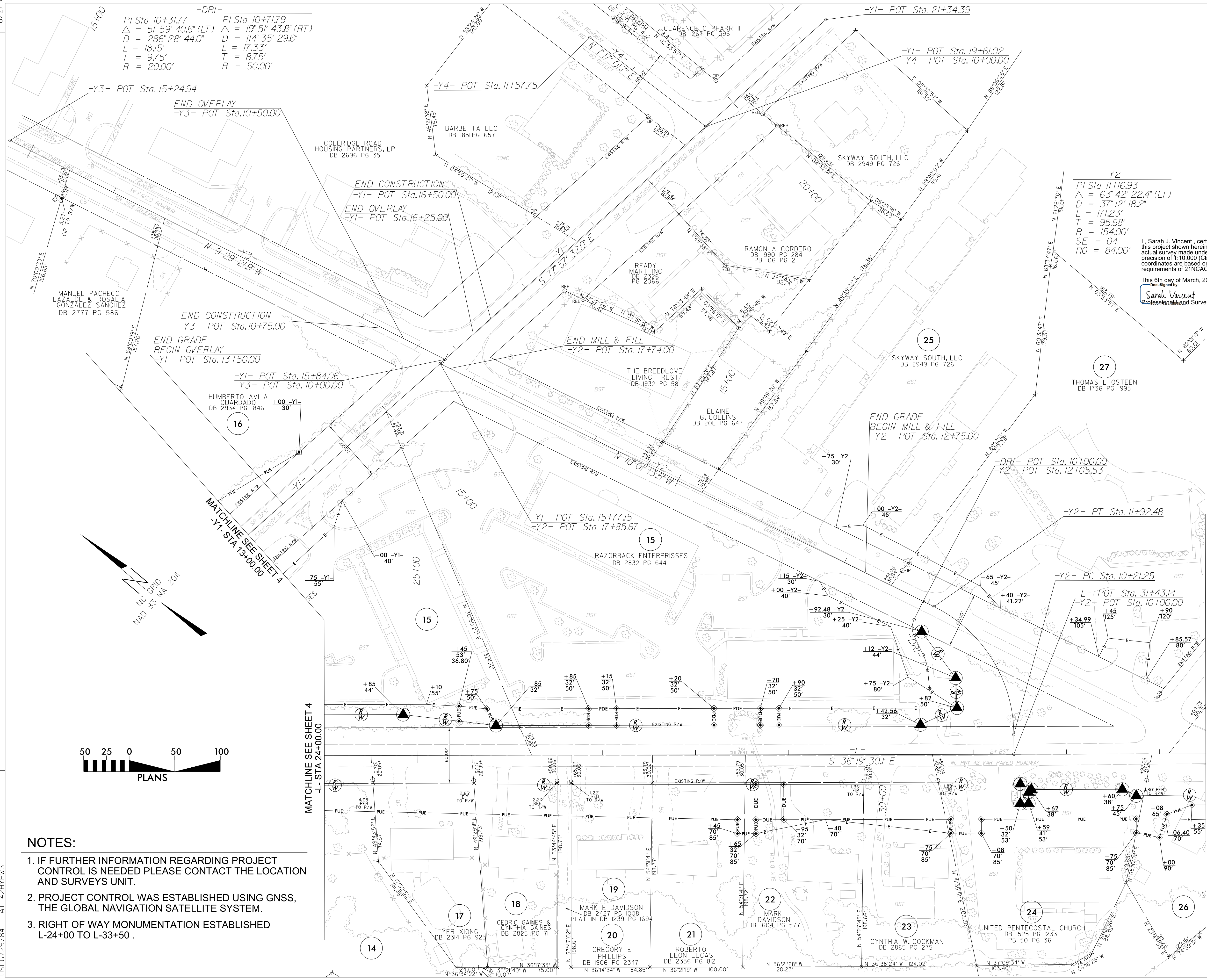
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED L-10+00 TO L- 55+00.

REVISIONS

QC - MAR 2026 08:38
 USL 0725784
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 Office Projects\Survey\NCDD01\U-5743\Delivery\U-5743.LS.RW03E-2.WSP-1.260306.dgn

6/2/19

PROJECT REFERENCE NO.	SHEET NO.
U-5743	RW05
Location and Surveys	
	
<small>GEOSPHERE LAND SURVEYING OF NC 128 TALBERT ROAD MOORESVILLE NC 28117 FIRM C-241</small>	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

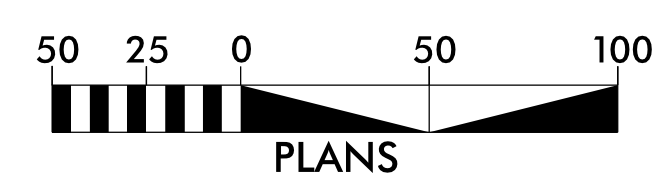


-Y2-
 PI Sta 11+16.93
 $\Delta = 63^{\circ} 42' 22.4" (LT)$
 $D = 37' 12" 18.2"$
 $L = 171.23'$
 $T = 95.68'$
 $R = 154.00'$
 $SE = 04'$
 $RO = 84.00'$

I, Sarah J. Vincent, 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 3/2/2026 to 3/5/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 6th day of March, 2026.
 Declassified by:
 Sarah J. Vincent
 Professional Land Surveyor L-5617

-DRI-
 PI Sta 10+31.77 PI Sta 10+71.79
 $\Delta = 51^{\circ} 59' 40.6" (LT)$ $\Delta = 19^{\circ} 51' 43.8" (RT)$
 $D = 286' 28" 44.0"$ $D = 114' 35" 29.6"$
 $L = 18.15'$ $L = 17.33'$
 $T = 9.75'$ $T = 8.75'$
 $R = 20.00'$ $R = 50.00'$

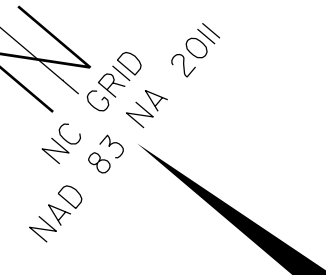


NOTES:

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 L-24+00 TO L-33+50.

REVISIONS

Q:\MAR 2026_0853\CenterData\USRA0300\Projects\Office Projects\Survey\NCD01\U-5743\Drawings\U-5743.LS.RW05.WSP-1.dgn
 USL 0725784
 42HYH3



MATCHLINE SEE SHEET 4
-L- STA 24+00.00

MATCHLINE SEE SHEET 6
-L- STA 33+50.00

6/2/19

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 L-47+00 TO L-60+18.75.

PROJECT REFERENCE NO.	SHEET NO.
U-5743	RW07

Location and Surveys



GEOSPHERE LAND SURVEYING OF NC
128 TALBERT ROAD
MOORESVILLE NC 28117
FRM C-5241

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Sarah J. Vincent, 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 3/2/2026 to 3/5/2026, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

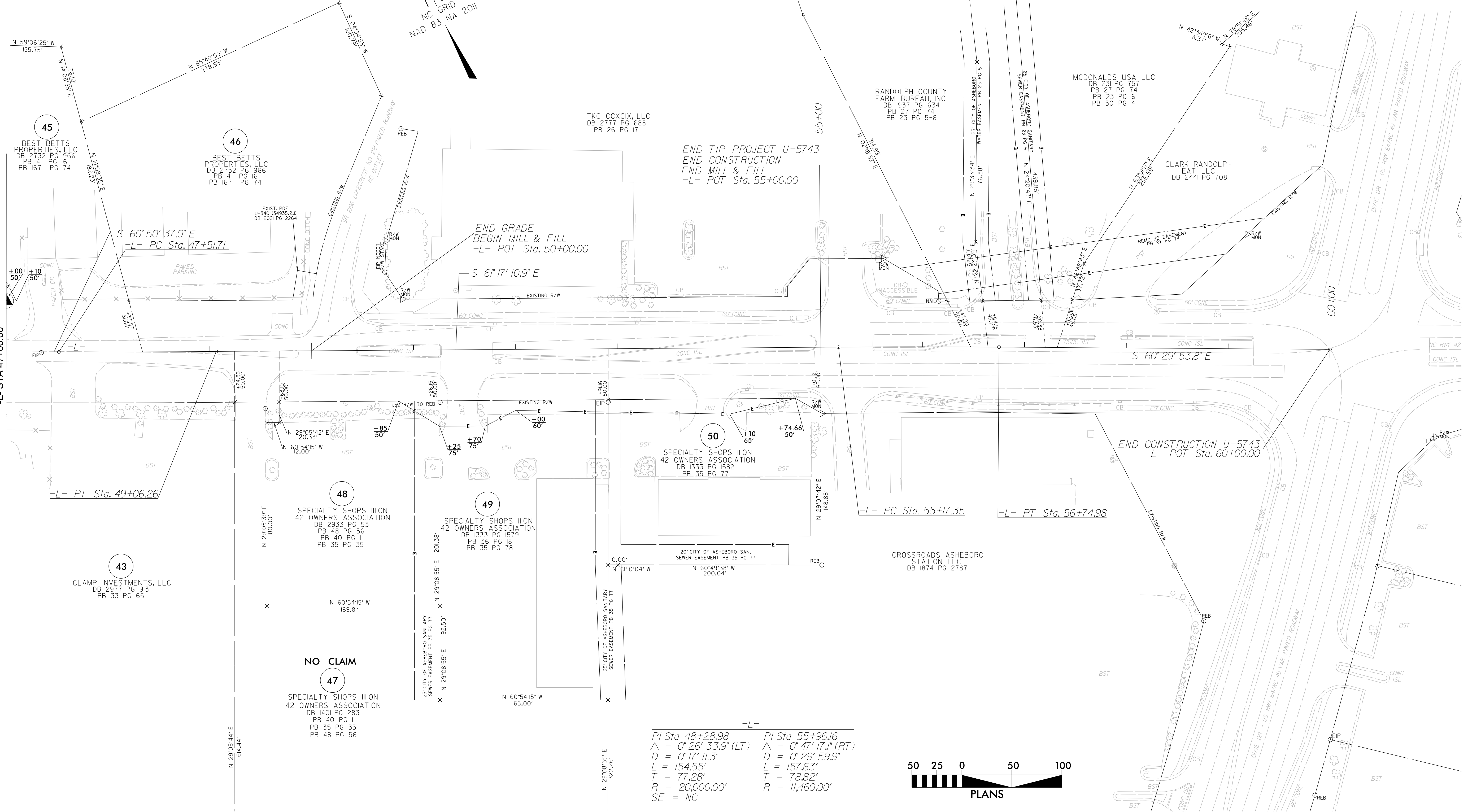
This 6th day of March, 2026.

DocuSigned by:

 Sarah J. Vincent
 Professional Land Surveyor L-5617

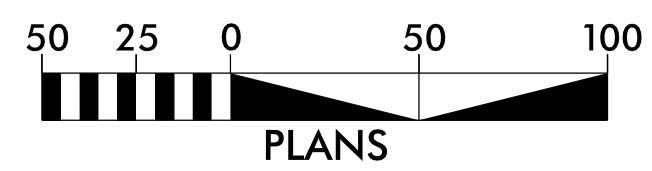
REVISIONS

MATCHLINE SEE SHEET 6
-L- STA 47+00.00



-L-

PI Sta 48+28.98	PI Sta 55+96.16
$\Delta = 0' 26' 33.9''$ (LT)	$\Delta = 0' 47' 17.1''$ (RT)
$D = 0' 17' 11.3''$	$D = 0' 29' 59.9''$
$L = 154.55'$	$L = 157.63'$
$T = 77.28'$	$T = 78.82'$
$R = 20,000.00'$	$R = 11,460.00'$
$SE = NC$	



QC - MAR 2026 09:00
 USL 0725784
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 AT 42HYHW3