STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4714AC	RW01	30

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

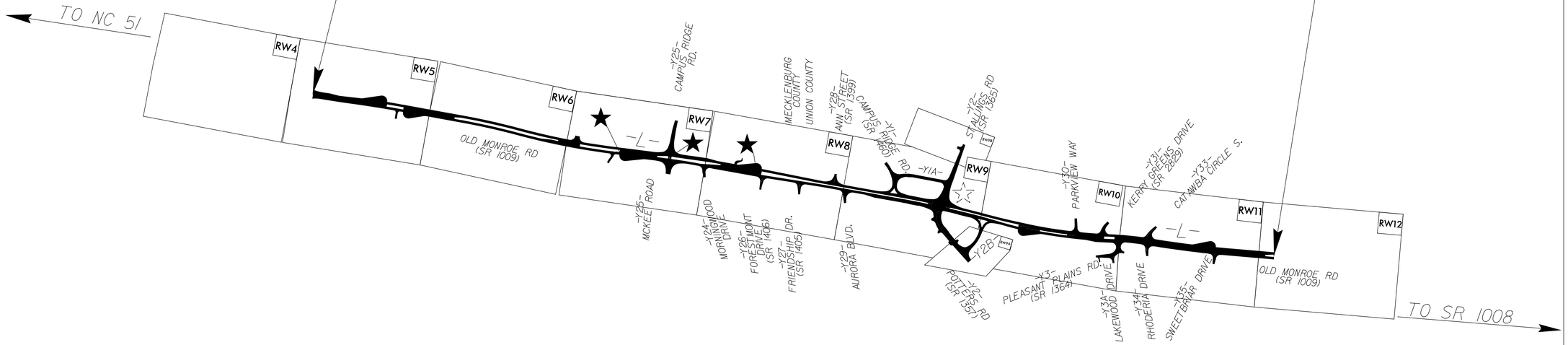
MECKLENBURG & UNION COUNTY

TIP PROJECT: U-4714AC

NC GRID
NAD 83 NA 2011

BEGIN TIP PROJECT U-4714AC
-L- POT STA. 96+20.00

END TIP PROJECT U-4714AC
-L- POT STA. 193+50.61 =
BEGIN TIP PROJECT U-4714BA
-L- POT STA. 10+00.00



GRAPHIC SCALE

50 25 0 50 100
PLANS

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "I5507-14" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 483,188.9820(ft) EASTING: 1,457,726.4270(ft) ELEVATION: 629.30(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99984880 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "I5507-14" TO -L- STATION 96+20.00 IS N 67°39'54" E 34,003.14(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared In the Office of:

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1333

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:	*LETTING DATE:*
07 / 25 / 2019	1 / 19 / 2027

PROFESSIONAL LAND SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

Signed by: Jacob Buczynski
93908B574013407...
SIGNATURE: *Date:*

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

09/08/95

$$$$$$$$SYSTIME$$$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$$$$$

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	rw02c-1

Location and Surveys

WSP USA Inc.
128 TALBERT ROAD
SUITE A
MOORESVILLE, NC 28117
TEL: 704.662.0100
WWW.WSP.COM

PROJECT SURVEYOR

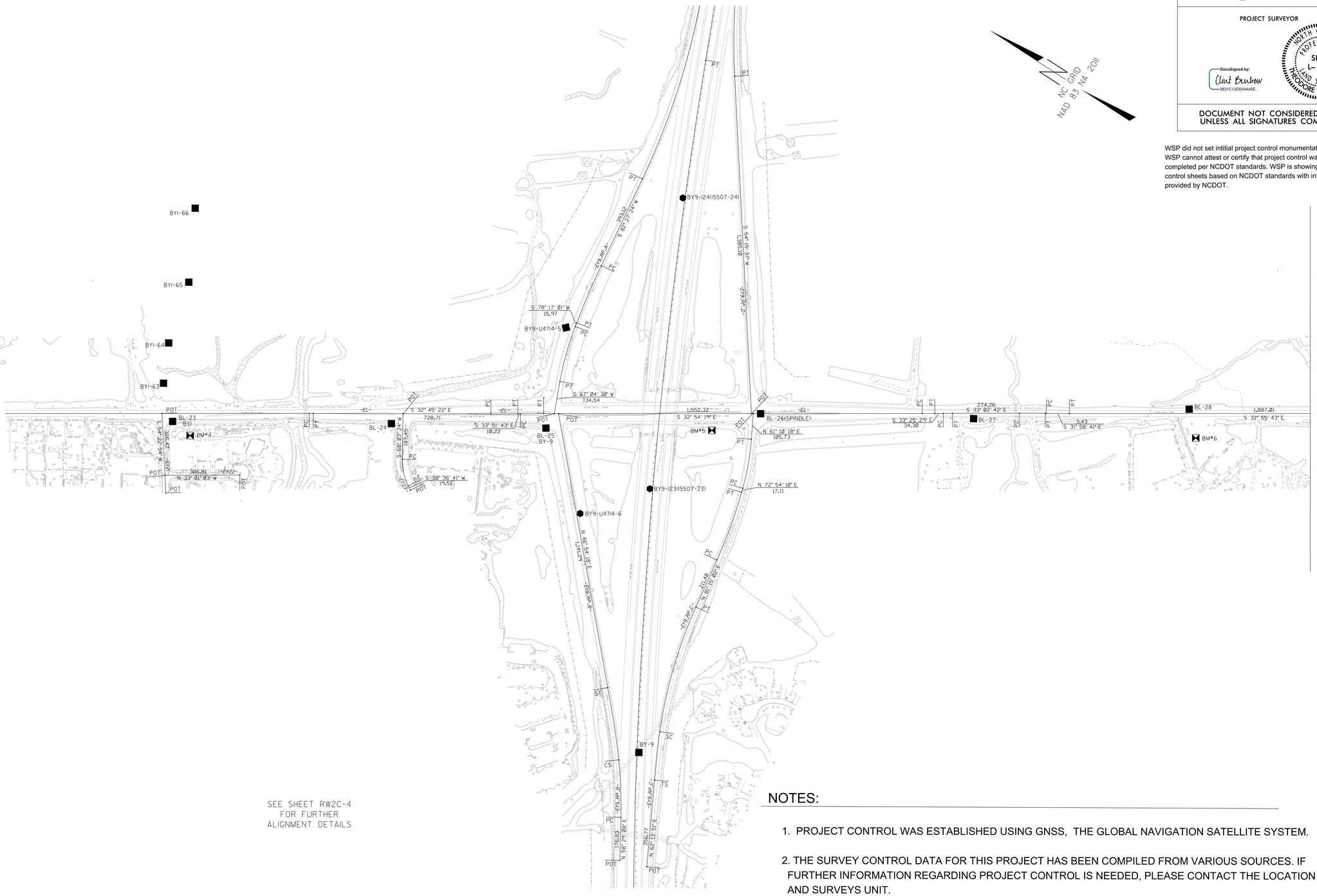
DocuSigned by: Clint Benbow 9831C13D55AA49E...

NORTH CAROLINA PROFESSIONAL SEAL L-5368 LAND SURVEYOR THEODORE C. BENBOW

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

WSP did not set initial project control monumentation. WSP cannot attest or certify that project control was completed per NCDOT standards. WSP is showing graphically control sheets based on NCDOT standards with information provided by NCDOT.

NC GRID NAD 83 NA 2011



SEE SHEET RW2C-4
FOR FURTHER
ALIGNMENT DETAILS

MATCHLINE11632.41RW02C-2

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.

6/2/99

REVISIONS

19-AUG-2022 14:06
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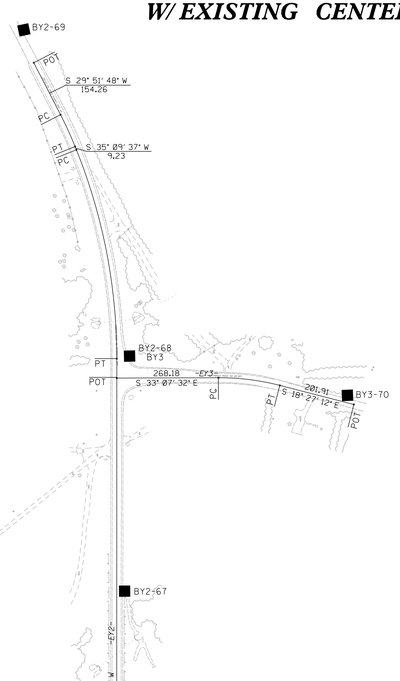
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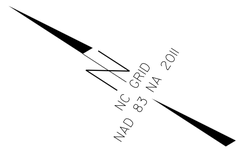
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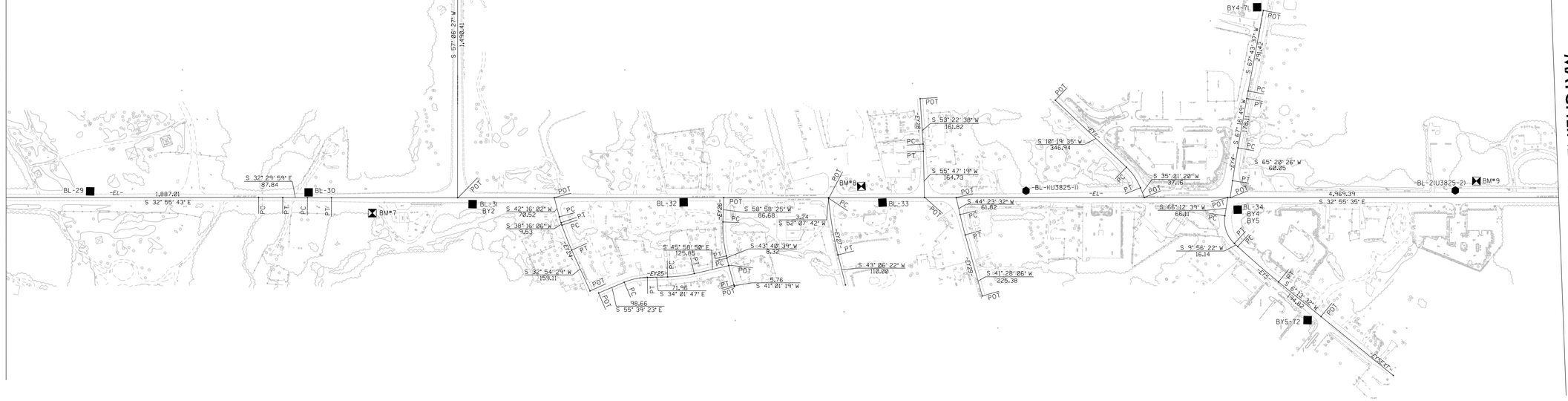
REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION







SEE SHEET RW2C-4
FOR FURTHER
ALIGNMENT DETAILS

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	rw02c-2

Location and Surveys

WSP USA Inc.
128 TALBERT ROAD
SUITE A
MOORESVILLE, NC 28117
TEL: 704.662.0100
WWW.WSP.COM

PROJECT SURVEYOR

DocuSigned by:
Clint Benbow
9831C13D55AA49E...

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-5368 THEODORE C. BENBOW

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

WSP did not set intitial project control monumentation. WSP cannot attest or certify that project control was completed per NCDOT standards. WSP is showing graphically control sheets based on NCDOT standards with information provided by NCDOT.

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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6/2/99

REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	rw02c-3
Location and Surveys	

WSP USA Inc.
128 TALBERT ROAD
SUITE A
MOORESVILLE, NC 28117
TEL: 704.662.0100
WWW.WSP.COM

PROJECT SURVEYOR

DocuSigned by:
Clint Benbow
9831C13D55AA49E...

NORTH CAROLINA PROFESSIONAL SEAL L-5368 LAND SURVEYOR THEODORE C. BENBOW

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SEE SHEET RW2C-4
FOR FURTHER
ALIGNMENT DETAILS

NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW02C-4

Location and Surveys

WSP USA Inc.
128 TALBERT ROAD
SUITE A
MOORESVILLE, NC 28117
TEL: 704.662.0100
WWW.WSP.COM

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BL

POINT	DESC.	NORTH	EAST	ELEVATION
13	U4714-13	502431.5870	1483878.1190	729.79
14	U4714-14	501969.2950	1484447.2200	729.45
17	BL-17	501605.8160	1484906.6810	727.31
18	BL-18	501014.3450	1485743.6240	713.82
19	BL-19	500662.2080	1486177.8390	714.17
20	BL-20	500201.7670	1486557.7730	703.88
21	BL-21	499661.6120	1486903.9090	692.77
22	BL-22	498962.8950	1487356.4430	706.62
23	BL-23	498283.0490	1487733.4540	686.32
24	BL-24	497524.7370	1488213.6680	692.04
25	BL-25	496982.7900	1488542.3980	700.94
26	BL-26 SPINDLE	496275.5810	1489070.3420	707.48
27	BL-27	495531.1460	1489527.9660	691.81
28	BL-28	494809.8640	1490040.8930	704.45
29	BL-29	494143.5810	1490476.8990	727.29
30	BL-30	493489.2510	1490896.0780	733.00
31	BL-31	492976.6380	1491178.1300	743.68
32	BL-32	492350.0570	1491591.5050	754.96
33	BL-33	491755.6500	1491974.8830	780.07
1	U3825-1	491349.7610	1492287.8550	788.71
34	BL-34	490680.8650	1492640.4970	777.57
2	U3825-2	490068.0830	1493118.4600	766.92
35	BL-35	489244.6030	1493672.7640	759.05
36	BL-36	488434.5350	1494232.0550	753.15
37	BL-37	487863.1470	1494688.3820	733.39
38	BL-38	487349.0790	1495098.4040	726.60
39	BL-39	486655.2620	1495634.1040	727.93
40	BL-40	485789.4990	1496309.4330	721.72
76	BY6-76	485640.9690	1496424.4800	719.96
41	BL-41	484960.2050	1496910.5710	708.66
42	BL-42	484139.0410	1497611.2680	712.56
43	BL-43	483660.0140	1498119.3940	717.49
44	BL-44	483278.2860	1498875.7670	710.67
45	BL-45	482916.2220	1499498.7310	691.21
46	BL-46	482636.2470	1500115.8540	683.60
47	BL-47	482411.6950	1500892.5350	680.35
49	BL-49	481673.2870	1501640.6860	673.91
50	BL-50	480938.6640	1502443.8080	668.15
51	BL-51	480230.6210	1503151.8400	686.62
52	BL-52	479894.7140	1503431.7860	681.10
53	BL-53	479479.9400	1503848.3590	662.61
54	BL-54	478939.6310	1504390.9980	650.38
55	BL-55	478326.1930	1505004.2850	656.38
56	BL-56	477762.0530	1505565.8790	661.82
57	BL-57	477228.8270	1506337.1960	671.53
58	BL-58	476587.1290	1507062.2160	659.22
59	BL-59	476186.4760	1507606.2340	668.12
60	BL-60	475730.9190	1508195.4360	661.53
61	BL-61	475255.9220	1508945.1950	664.82
15	U4714-15	474726.7700	1509580.0720	664.24
16	U4714-16	474295.3110	1510156.4040	658.68

BY2

POINT	DESC.	NORTH	EAST	ELEVATION
69	BY2-69	494520.9430	1493014.9740	767.13
68	BY2-68	493818.8530	1492443.6240	747.28
67	BY2-67	493492.6620	1491915.5730	749.00
402	BL-31	492976.6380	1491178.1300	743.68

BY4

POINT	DESC.	NORTH	EAST	ELEVATION
71	BY4-71	491013.7890	1493282.2180	765.31
404	BL-34	490680.8650	1492640.4970	777.57

BY5

POINT	DESC.	NORTH	EAST	ELEVATION
405	BL-34	490680.8650	1492640.4970	777.57
72	BY5-72	490258.8140	1492445.9480	782.46

NOTES:

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REVISIONS

6/2/99

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REVISIONS

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW02C-5

Location and Surveys

WSP USA Inc.
128 TALBERT ROAD
SUITE A
MOORESVILLE, NC 28117
TEL: 704.662.0100
WWW.WSP.COM

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```
BM4       ELEVATION = 694.71
N 498191      E 1487724
TIE SPIKE IN 10" PINE
```

```
BM5       ELEVATION = 707.18
N 496406      E 1488905
TIE SPIKE IN 18" ASH
```

```
BM6       ELEVATION = 709.49
N 494723      E 1489957
TIE SPIKE IN 42" OAK
```

```
BM7       ELEVATION = 739.19
N 493259      E 1490958
TIE SPIKE IN 15" PINE
```

```
BM8       ELEVATION = 782.63
N 491850      E 1491983
TIE SPIKE IN 15" OAK
```

```
BM9       ELEVATION = 767.92
N 490023      E 1493187
TIE SPIKE IN TWIN 12" OAK
```

```
BM10       ELEVATION = 757.61
N 488373      E 1494095
TIE SPIKE IN 15" PINE
```

```
BM11       ELEVATION = 733.18
N 487001      E 1495372
TIE SPIKE IN 36" OAK
```

```
BM12       ELEVATION = 725.52
N 486022      E 1496050
TIE SPIKE IN SPLIT 36" OAK
```

NOTES:

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6/2/99

REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW02C-6

Location and Surveys

WSP USA Inc.
128 TALBERT ROAD
SUITE A
MOORESVILLE, NC 28117
TEL: 704.662.0100
WWW.WSP.COM

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EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	502597.049	1483724.513							
LINE			S 51°04'09.5" E	1111.14					
PC	501898.833	1484588.873							
CURVE			S 51°22'44.3" E	123.87	00°37'09.6"(LT)	00°30'00.0"	123.87	61.93	11459.16
PT	501821.519	1484685.650							
LINE			S 51°41'19.1" E	539.13					
PC	501487.291	1485108.684							
CURVE			S 51°30'08.8" E	74.48	00°22'20.7"(RT)	00°30'00.0"	74.48	37.24	11459.16
PT	501440.926	1485166.978							
LINE			S 51°18'58.4" E	1226.80					
PC	500674.148	1486124.629							
CURVE			S 42°07'09.1" E	523.29	18°23'38.6"(RT)	03°30'00.0"	525.54	265.05	1637.02
PT	500285.997	1486475.587							
LINE			S 32°55'19.8" E	2925.23					
PC	497830.527	1488065.449							
CURVE			S 32°50'20.8" E	16.61	00°09'58.1"(RT)	01°00'00.0"	16.61	8.31	5729.58
PT	497816.569	1488074.458							
LINE			S 32°45'21.7" E	728.71					
PC	497203.741	1488468.734							
CURVE			S 33°18'32.6" E	110.60	01°06'21.7"(LT)	01°00'00.0"	110.60	55.30	5729.58
PT	497111.309	1488529.471							
LINE			S 33°51'43.4" E	10.22					
PC	497102.819	1488535.168							
CURVE			S 33°23'01.1" E	95.68	00°57'24.7"(RT)	01°00'00.0"	95.69	47.84	5729.58
PT	497022.922	1488587.817							
LINE			S 32°54'18.7" E	1552.32					
PC	495719.642	1489431.115							
CURVE			S 33°09'54.0" E	51.96	00°31'10.6"(LT)	01°00'00.0"	51.96	25.98	5729.58
PT	495676.146	1489459.541							
LINE			S 33°25'29.3" E	34.30					
PC	495647.519	1489478.434							
CURVE			S 33°14'05.7" E	37.98	00°22'47.3"(RT)	01°00'00.0"	37.98	18.99	5729.58
PT	495615.752	1489499.250							
LINE			S 33°02'42.1" E	274.26					
PC	495385.858	1489648.801							
CURVE			S 32°30'41.3" E	106.71	01°04'01.6"(RT)	01°00'00.0"	106.71	53.36	5729.58
PT	495295.873	1489706.154							
LINE			S 31°58'40.5" E	3.43					
PC	495292.960	1489707.972							
CURVE			S 32°27'11.6" E	95.06	00°57'02.2"(LT)	01°00'00.0"	95.06	47.53	5729.58
PT	495212.747	1489758.982							
LINE			S 32°55'42.7" E	1887.01					
PC	493628.888	1490784.745							
CURVE			S 32°42'50.9" E	85.75	00°25'43.6"(RT)	00°30'00.0"	85.75	42.88	11459.16
PT	493556.737	1490831.090							
LINE			S 32°29'59.1" E	87.84					
PC	493482.650	1490878.288							
CURVE			S 32°42'46.8" E	85.30	00°25'35.4"(LT)	00°30'00.0"	85.30	42.65	11459.16
PT	493410.879	1490924.387							
LINE			S 32°55'34.5" E	4969.39					
PC	489239.720	1493625.543							
CURVE			S 33°02'57.8" E	24.63	00°14'46.6"(LT)	01°00'00.0"	24.63	12.31	5729.58
PT	489219.078	1493638.974							
LINE			S 33°10'21.1" E	173.35					
PC	489073.976	1493733.826							
CURVE			S 35°41'28.1" E	671.41	05°02'14.0"(LT)	00°45'00.0"	671.63	336.03	7639.44
PT	488528.673	1494125.539							
LINE			S 38°12'35.1" E	5841.95					
PC	483938.347	1497739.032							
CURVE			S 50°50'12.9" E	501.01	25°15'15.6"(LT)	05°00'00.0"	505.09	256.71	1145.92
PT	483621.946	1498127.489							
LINE			S 63°27'50.7" E	1639.07					
PC	482889.678	1499593.889							
CURVE			S 66°54'13.5" E	392.87	06°52'45.6"(LT)	01°45'00.0"	393.10	196.79	3274.04
PT	482735.564	1499955.268							
LINE			S 70°20'36.3" E	830.63					
PC	482456.154	1500737.497							
CURVE			S 57°42'10.9" E	501.52	25°16'50.7"(RT)	05°00'00.0"	505.62	256.99	1145.92
PT	482188.186	1501161.430							
LINE			S 45°03'45.5" E	6207.94					
PC	477803.311	1505555.904							
CURVE			S 49°07'10.5" E	405.35	08°06'49.9"(LT)	02°00'00.0"	405.69	203.19	2864.79
PT	477538.015	1505862.383							
LINE			S 53°10'35.4" E	5492.13					
POT	474246.293	1510258.757							

EY2

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	494451.926	1492956.491							
LINE			S 29°51'48.5" W	154.26					
PC	494318.150	1492879.680							
CURVE			S 32°30'42.7" W	92.41	05°17'48.4"(RT)	05°43'46.5"	92.45	46.26	1000.00
PT	494240.220	1492830.010							
LINE			S 35°09'36.9" W	9.23					
PC	494232.671	1492824.693							
CURVE			S 46°08'02.0" W	561.55	21°56'50.1"(RT)	03°53'04.1"	565.00	286.01	1475.00
PT	493843.529	1492419.835							
LINE			S 57°06'27.0" W	1490.41					
POT	493034.142	1491168.354							

EY4

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	490989.235	1493284.725							
LINE			S 67°43'36.6" W	291.42					
PC	490878.781	1493015.052							
CURVE			S 67°30'13.1" W	27.27	00°26'47.1"(LT)	01°38'13.3"	27.27	13.64	3500.00
PT	490868.347	1492989.857							
LINE			S 67°16'49.5" W	178.11					
PC	490799.557	1492825.566							
CURVE			S 66°18'37.7" W	118.49	01°56'23.5"(LT)	01°38'13.3"	118.50	59.26	3500.00
PT	490751.948	1492717.057							
LINE			S 65°20'26.0" W	60.05					
POT	490726.893	1492662.481							

EY5

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	490733.895	1492657.947							
LINE			S 66°12'39.0" W	66.11					
PC	490707.229	1492597.457							
CURVE			S 38°04'30.5" W	103.74	56°16'16.9"(LT)	52°05'13.5"	108.03	58.82	110.00
PT	490625.562	1492533.479							
LINE			S 09°56'22.1" W	16.14					
PC	490609.662	1492530.693							
CURVE			S 08°04'57.1" W	192.15	03°42'49.9"(LT)	01°55'56.7"	192.19	96.13	2965.00
PT	490419.417	1492503.676							
LINE			S 06°13'32.2" W	194.82					
POT	490225.749	1492482.549							

EY11

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	491436.945	1492614.532							
LINE			S 10°19'34.7" W	346.94					
PC	491095.620	1492552.341							
CURVE			S 22°50'27.3" W	88.84	25°01'45.3"(RT)	27°56'57.0"	89.55	45.50	205.00
PT	491013.744	1492517.855							
LINE			S 35°21'20.0" W	37.16					
POT	490983.434	1492496.350							

EY12

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	489185.610	1493660.852							
LINE			S 60°28'48.0" W	64.43					
PC	489153.865	1493604.789							
CURVE			N 89°23'32.9" W	100.39	60°15'18.2"(RT)	57°17'44.8"	105.16	58.03	100.00
PT	489154.929	1493504.409							
LINE			N 59°15'53.8" W	2.83					
PC	489156.376	1493501.976							
CURVE			N 54°23'32.7" W	59.46	09°44'42.2"(RT)	16°22'12.8"	59.53	29.84	350.00
PT	489190.994	1493453.635							
LINE			N 49°31'11.6" W	153.24					
PC	489290.476	1493337.075							
CURVE			N 60°28'33.6" W	288.89	21°54'44.0"(LT)	07°32'20.1"	290.65	147.12	760.00
PT	489432.836	1493085.700							
LINE			N 71°25'55.7" W	16.31					
POT	489438.031	1493070.237							

EY24

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	492745.503	1491355.271							
LINE			S 42°16'02.0" W	70.52					
PC	492693.320	1491307.842							
CURVE			S 40°16'04.2" W	21.81	03°59'55.6"(LT)	18°19'42.5"	21.82	10.91	312.61
PT	492676.676	1491293.743							
LINE			S 38°16'06.4" W	9.53					
PC	492669.191	1491287.838							
CURVE			S 35°35'17.9" W	95.06	05°21'36.9"(LT)	05°38'12.0"	95.10	47.58	1016.48
PT	492591.885	1491232.516							
LINE			S 32°54'29.5" W	159.11					
POT	492458.304	1491146.072							

EY25

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	492428.749	1491156.568							
LINE			S 55°39'23.1" E	98.66					
PC	492373.092	1491238.024							
CURVE			S 44°50'35.1" E	84.07	21°37'36.0"(RT)	25°34'15.3"	84.58	42.80	224.07
PT	492313.480	1491297.310							
LINE			S 34°01'47.1" E	71.96					
PC	492253.842	1491337.582							
CURVE			S 40°00'18.5" E	95.73	11°57'02.7"(LT)	12°27'41.1"	95.90	48.13	459.79
PT	492180.515	1491399.122							
LINE			S 45°58'49.9" E	125.85					
POT	492093.061	1491489.622							

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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6/2/99

REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW02C-7

Location and Surveys

WSP USA Inc.
128 TALBERT ROAD
SUITE A
MOORESVILLE, NC 28117
TEL: 704.662.0100
WWW.WSP.COM

WSP did not set intitial project control monumentation. WSP cannot attest or certify that project control was completed per NCDOT standards. WSP is showing graphically control sheets based on NCDOT standards with information provided by NCDOT.

EY26

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	492239.386	1491683.233							
LINE			S 58°58'25.4" W	86.68					
PC	492194.707	1491608.952							
CURVE			S 51°19'32.5" W	121.45	15°17'46.0"(LT)	12°33'27.3"	121.81	61.27	456.26
PT	492118.816	1491514.137							
LINE			S 43°40'39.5" W	8.32					
PC	492112.802	1491508.394							
CURVE			S 42°20'59.2" W	98.57	02°39'20.6"(LT)	02°41'38.0"	98.58	49.30	2126.88
PT	492039.951	1491441.989							
LINE			S 41°01'18.9" W	5.76					
POT	492035.608	1491438.211							

EY27

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	491926.146	1491885.477							
LINE			S 52°07'41.5" W	3.24					
PC	491924.156	1491882.917							
CURVE			S 47°37'01.7" W	202.94	09°01'19.7"(LT)	04°26'28.1"	203.15	101.79	1290.12
PT	491787.358	1491733.014							
LINE			S 43°06'21.8" W	110.00					
POT	491707.048	1491657.846							

EY28

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	491843.893	1492358.093							
LINE			S 53°22'38.3" W	161.82					
PC	491747.359	1492228.218							
CURVE			S 54°34'58.9" W	25.52	02°24'41.2"(RT)	09°27'00.9"	25.52	12.76	606.29
PT	491732.572	1492207.424							
LINE			S 55°47'19.4" W	164.73					
POT	491639.954	1492071.198							

EY29

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	491545.051	1492132.671							
LINE			S 44°23'32.2" W	61.82					
PC	491500.876	1492089.423							
CURVE			S 42°55'49.0" W	74.86	02°55'26.5"(LT)	03°54'20.3"	74.87	37.44	1467.00
PT	491446.066	1492038.437							
LINE			S 41°28'05.8" W	225.38					
POT	491277.187	1491889.191							

EY30

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	489838.289	1493658.681							
LINE			S 42°11'38.2" W	220.04					
PC	489675.269	1493510.895							
CURVE			S 42°17'59.3" W	52.29	00°12'42.0"(RT)	00°24'17.3"	52.29	26.15	14154.20
PT	489636.593	1493475.703							
LINE			S 42°24'20.3" W	0.00					
PC	489636.592	1493475.702							
CURVE			S 50°13'23.1" W	50.25	15°38'05.7"(RT)	31°01'08.7"	50.40	25.36	184.71
PT	489604.443	1493437.085							
LINE			S 58°02'25.9" W	40.07					
POT	489583.234	1493403.089							

EY31

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	489245.237	1494076.894							
LINE			N 81°26'59.5" W	16.32					
PC	489247.663	1494060.756							
CURVE			N 66°30'45.8" W	156.16	29°52'27.4"(RT)	18°54'52.1"	157.94	80.81	302.92
PT	489309.901	1493917.533							
LINE			N 51°34'32.1" W	60.68					
PC	489347.613	1493869.993							
CURVE			N 83°34'46.5" W	305.84	64°00'28.8"(LT)	19°51'25.3"	322.34	180.33	288.54
PT	489381.814	1493566.069							
LINE			S 64°24'59.1" W	20.00					
POT	489373.177	1493548.030							

EY32

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	489589.363	1493843.448							
LINE			S 41°19'49.4" W	29.72					
PC	489567.044	1493823.819							
CURVE			S 28°11'13.9" W	130.96	26°17'11.0"(LT)	19°53'48.2"	132.11	67.24	287.97
PT	489451.616	1493761.961							
LINE			S 15°02'38.4" W	49.21					
POT	489404.092	1493749.188							

EY33

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	489020.563	1494228.137							
LINE			S 89°35'36.6" W	19.65					
PC	489020.423	1494208.492							
CURVE			N 88°26'23.9" W	89.40	03°55'59.1"(RT)	04°23'54.9"	89.42	44.73	1302.60
PT	489022.857	1494119.126							
LINE			N 86°28'24.3" W	171.35					
PC	489033.397	1493948.097							
CURVE			S 87°05'55.0" W	102.39	12°51'21.3"(LT)	12°31'44.5"	102.61	51.52	457.30
PT	489028.214	1493845.834							
LINE			S 80°40'14.4" W	74.72					
POT	489016.102	1493772.105							

EY34

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	488975.702	1493799.157							
LINE			S 44°00'37.7" W	43.79					
PC	488944.210	1493768.735							
CURVE			S 42°36'50.3" W	123.51	02°47'34.9"(LT)	02°15'39.9"	123.53	61.78	2533.99
PT	488853.312	1493685.109							
LINE			S 41°13'02.8" W	168.26					
POT	488726.744	1493574.239							

EY35

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	488421.281	1494210.417							
LINE			S 56°27'55.4" W	174.93					
PC	488324.644	1494064.606							
CURVE			S 74°29'41.4" W	99.39	36°03'31.9"(RT)	35°41'03.0"	101.05	52.26	160.56
PT	488298.074	1493968.832							
LINE			N 87°28'32.7" W	35.35					
POT	488299.631	1493933.515							

EY36

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	488072.359	1494112.259							
LINE			N 00°50'00.5" W	2.86					
PC	488075.223	1494112.217							
CURVE			N 09°19'49.4" W	123.34	16°59'37.7"(LT)	13°43'39.0"	123.79	62.35	417.38
PT	488196.931	1494092.220							
LINE			N 17°49'38.2" W	126.95					
POT	488317.787	1494053.355							

NOTES:

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REVISIONS

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PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW02D-1

Location and Surveys

N|V|5
NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1333

I , Jacob Buczynski, 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 day 5/21/2026.

Signed by: Jacob Buczynski
93908B574013407...
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	502597.0485	1483724.5132
PC	16+07.20	502215.4955	1484196.8590
PRC	18+42.17	502063.6092	1484376.1034
PT	21+05.65	501893.8642	1484577.5855
PC	38+87.84	500781.8988	1485970.3278
PT	48+55.13	500067.9616	1486616.7597
PC	63+99.15	498771.8996	1487455.9314
PRC	68+39.99	498408.6443	1487705.5973
PRC	79+19.46	497503.6312	1488293.0272
PT	84+50.70	497050.3231	1488569.9059
PC	95+41.34	496134.9917	1489162.9289
PRC	100+20.16	495739.5262	1489432.7985
PT	105+11.09	495333.8893	1489709.2492
PC	111+34.50	494810.2778	1490047.5856
PRC	117+10.14	494314.4956	1490339.7758
PT	126+53.86	493514.9511	1490839.7640
PC	131+01.26	493152.4564	1491101.9897
PT	137+01.65	492657.4056	1491441.5720
PC	155+81.28	491081.2809	1492465.7070
PRC	165+41.65	490252.1181	1492949.5278
PRC	177+14.71	489284.5143	1493607.9421
PRC	180+96.80	488980.7992	1493839.3619
PT	188+91.75	488337.3088	1494305.7658
POT	210+00.99	486680.0219	1495610.4878

L1

TYPE	STATION	NORTH	EAST
POT	10+00.00	489906.0525	1487090.6455
PC	15+66.08	490226.4160	1487557.3549
PT	17+42.59	490322.7889	1487705.2103
PC	18+63.66	490386.4537	1487808.1870
PT	20+23.98	490479.1972	1487938.8281
PC	22+66.22	490631.6957	1488127.0374
PT	25+87.99	490812.5349	1488392.7319
PC	27+74.79	490904.4194	1488555.3748
PT	29+72.46	491010.2840	1488722.2021
PC	46+14.02	491959.6264	1490061.4055
PT	50+11.03	492238.8941	1490340.9565
PC	53+75.00	492535.6113	1490551.7474
PT	58+22.26	492843.0564	1490872.8968
POT	61+88.96	493042.1953	1491180.8070

Y

TYPE	STATION	NORTH	EAST
POT	10+00.00	501837.5915	1485148.5419
POT	13+12.26	501593.9298	1484953.2549
POT	16+32.83	501343.7875	1484752.7740

Y1

TYPE	STATION	NORTH	EAST
POT	10+00.00	491436.9453	1492614.5325
PC	10+26.81	491410.5725	1492609.7272
PT	13+28.93	491165.9819	1492446.8790
POT	13+59.29	491149.4388	1492421.4194

Y1A

TYPE	STATION	NORTH	EAST
POT	10+00.00	491281.1340	1492559.7726
PC	10+11.67	491275.6472	1492570.0772
PT	12+01.94	491147.9640	1492708.3213
POT	15+73.38	490834.9816	1492908.3458

Y2

TYPE	STATION	NORTH	EAST
POT	10+00.00	490740.5337	1492677.5194
POT	17+37.47	491020.0502	1493359.9613

Y2A

TYPE	STATION	NORTH	EAST
POT	10+00.00	490740.5337	1492677.5194
PC	10+52.91	490720.4813	1492628.5613
PT	12+38.13	490577.5162	1492520.9223
POT	19+23.67	489896.0268	1492446.5807

Y2B

TYPE	STATION	NORTH	EAST
POT	10+00.00	490251.9969	1492485.4124
PC	10+74.63	490243.9038	1492559.6026
PT	13+26.06	490294.7263	1492802.2712
POT	14+36.46	490349.7337	1492897.9983

Y3

TYPE	STATION	NORTH	EAST
POT	10+00.00	489226.5649	1493656.9696
PC	10+77.07	489177.6519	1493597.4115
PCC	12+08.64	489174.0170	1493475.1833
PT	12+36.08	489190.9943	1493453.6355
PC	13+89.32	489290.4763	1493337.0751
PT	16+79.97	489432.8362	1493085.7005

Y4

TYPE	STATION	NORTH	EAST
POT	10+00.00	493042.1953	1491180.8070
PC	13+66.69	492843.0564	1490872.8968
PT	18+13.96	492535.6113	1490551.7474
POT	21+77.93	492238.8941	1490340.9565

Y14

TYPE	STATION	NORTH	EAST
POT	10+00.00	502468.6540	1484421.3419
POT	13+38.02	502205.1551	1484209.6171

Y15

TYPE	STATION	NORTH	EAST
POT	10+00.00	502196.1917	1484220.6072
POT	13+74.51	501901.7443	1483989.1811

Y16

TYPE	STATION	NORTH	EAST
POT	10+00.00	502156.0975	1484783.4540
PC	12+81.19	501938.5925	1484605.2357
PT	13+20.36	501908.6265	1484580.0243
PC	14+49.82	501810.6555	1484495.3997
PT	15+40.24	501741.6680	1484436.9463
POT	16+76.13	501637.1575	1484350.0878

Y17

TYPE	STATION	NORTH	EAST
POT	10+00.00	501795.5577	1485419.5402
POT	14+48.50	501443.5719	1485141.5790

Y18

TYPE	STATION	NORTH	EAST
POT	10+00.00	500189.7204	1486533.6071
PC	10+47.16	500176.3597	1486488.3821
PRC	10+84.54	500164.5803	1486452.9067
PT	11+70.52	500141.1376	1486370.2730
PC	12+76.23	500120.2474	1486266.6520
PT	13+27.16	500107.6677	1486217.3276
POT	13+41.30	500103.4807	1486203.8160

Y19

TYPE	STATION	NORTH	EAST
POT	10+00.00	499742.0892	1486827.7549
PC	10+38.94	499719.0957	1486796.3324
PT	11+77.09	499612.3587	1486711.1968
POT	13+12.41	499488.1165	1486657.5655

Y20

TYPE	STATION	NORTH	EAST
POT	10+00.00	499286.2005	1487122.9328
PC	12+32.30	499160.0087	1486927.8958
PT	12+90.12	499127.4700	1486880.1107
POT	13+12.58	499114.3928	1486861.8455

Y21

TYPE	STATION	NORTH	EAST
POT	10+00.00	498346.5789	1487750.4592
POT	13+42.54	498147.0892	1487472.0040

Y23

TYPE	STATION	NORTH	EAST
POT	10+00.00	497515.0117	1488286.4746
PC	12+02.33	497407.9621	1488114.7822
PT	13+15.57	497327.7361	1488036.4000
POT	13+35.08	497310.9454	1488026.4655

Y24

TYPE	STATION	NORTH	EAST
POT	10+00.00	492763.6306	1491371.7461
PC	10+95.01	492693.3203	1491307.8421
PT	11+16.83	492676.6765	1491293.7431
PC	11+26.36	492669.1909	1491287.8381
PT	12+21.46	492591.8852	1491232.5165
POT	13+80.57	492458.3038	1491146.0717

Y25

TYPE	STATION	NORTH	EAST
POT	10+00.00	493843.5286	1492419.8353
POT	24+75.58	493042.1953	1491180.8070
POT	25+39.54	493007.4603	1491127.0996
PC	28+42.27	492843.0564	1490872.8968
PT	32+89.53	492535.6113	1490551.7474
POT	36+53.50	492238.8941	1490340.9565

Y26

TYPE	STATION	NORTH	EAST
POT	10+00.00	492252.3429	1491704.7738
PC	11+11.82	492194.7073	1491608.9516
PT	12+33.63	492118.8164	1491514.1372
PC	12+41.94	492112.8017	1491508.3939
PT	13+40.53	492039.9511	1491441.9892

Y27

TYPE	STATION	NORTH	EAST
POT	10+00.00	491942.2916	1491906.2391
PC	10+29.54	491924.1545	1491882.9172
PT	12+32.69	491787.3564	1491733.0141
POT	13+42.69	491707.0468	1491657.8458

Y28

TYPE	STATION	NORTH	EAST
POT	10+00.00	491843.8926	1492358.0930
PC	11+61.82	491747.3591	1492228.2180
PT	11+87.34	491732.5724	1492207.4242
POT	13+25.65	491654.8054	1492093.0420

Y29

TYPE	STATION	NORTH	EAST
POT	10+00.00	491564.5058	1492151.7169
PC	10+89.05	491500.8764	1492089.4231
PT	11+63.91	491446.0663	1492038.4365
POT	13+89.29	491277.1869	1491889.1913

Y30

TYPE	STATION	NORTH	EAST
POT	10+00.00	489838.2892	1493658.6815
PC	12+20.04	489675.2685	1493510.8947
PCC	12+72.33	489636.5927	1493475.7026
PT	13+22.73	489604.4430	1493437.0838
POT	13+90.95	489568.3348	1493379.2074

Y31

TYPE	STATION	NORTH	EAST
POT	10+00.00	489245.2370	1494076.8942
PC	10+16.32	489247.6633	1494060.7560
PT	11+74.26	489309.9006	1493917.5331
PC	12+34.95	489347.6134	1493869.9930
PT	15+57.29	489381.8135	1493566.0694
POT	15+89.39	489367.9505	1493537.1137

Y33

TYPE	STATION	NORTH	EAST
POT	10+00.00	489020.5625	1494228.1370
PC	10+19.65	489020.4231	1494208.4924
PT	11+09.06	489022.8570	1494119.1262
PC	12+80.42	489033.3972	1493948.0967
PT	13+83.03	489028.2143	1493845.8340
POT	14+18.24	489022.5054	1493811.0837

Y34

TYPE	STATION	NORTH	EAST
POT	10+00.00	488726.7440	1493574.2392
PC	11+68.26	488853.3121	1493685.1092
PT	12+91.79	488944.2100	1493768.7351
POT	13+72.61	489002.3358	1493824.8871

Y35

TYPE	STATION	NORTH	EAST
POT	10+00.00	488434.4353	1494230.2646
PC	11+98.74	488324.6440	1494064.6056
PT	12+99.79	488298.0743	1493968.8321
POT	13+35.14	488299.6313	1493933.5145

Y36

TYPE	STATION	NORTH	EAST
POT	210+00.99	486680.0219	1495610.4878
EQB	288+42.94	493843.5286	1492419.8353
EQA	24+90.41	493843.5286	1492419.8353
PT	30+55.41	494232.6714	1492824.6934
PC	30+64.64	494240.2198	1492830.0103
PT	31+57.09	494318.1503	1492879.6802
EQB	112+68.70	486680.0219	1495610.4878
EQA	210+00.99	486680.0219	1495610.4878

YLPB

TYPE	STATION	NORTH	EAST
PC	10+00.00	782230.6162	2036676.8728
PT	17+52.98	782912.9296	2036424.5628

YRPB

TYPE	STATION	NORTH	EAST
PC	10+00.00	780109.7372	2042643.6841
PT	15+09.29	780082.9801	2042140.8853

NOTES:

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

2. 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.

6/2/99

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW03E-1

Location and Surveys

NV5

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1333

RIGHT OF WAY CONTROL SHEET

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	104+85.00	-51.50	495383.8487	1489738.2425	
L	105+37.00	-52.66	495340.7102	1489767.5427	
L	105+85.00	-47.50	495297.5921	1489789.2564	
L	119+66.80	-47.50	494114.4173	1490506.0405	
L	112+43.85	52.50	494690.1726	1490061.6771	
L	126+12.88	-47.50	493575.8419	1490854.4886	
L	131+55.00	-59.00	493143.2111	1491181.3473	
L	131+91.34	-102.62	493138.7994	1491238.1070	
L	132+89.88	-83.50	493046.6405	1491279.7505	
L	133+25.00	-64.00	493006.5022	1491283.9738	
L	150+53.97	81.58	491479.0015	1492109.9917	
L	158+92.93	91.88	490769.7132	1492552.8497	
L	160+78.96	-476.83	490896.9836	1493138.6442	
L	160+21.49	97.51	490657.5192	1492613.3373	
L	161+20.75	-64.00	490653.1422	1492802.7673	
L	162+24.75	-46.25	490553.4672	1492839.0316	
L	165+55.62	-48.63	490262.3209	1492999.0691	
L	175+25.72	-48.76	489460.0956	1493524.7953	
L	176+68.40	-86.63	489375.8016	1493643.7034	
L	177+14.71	-48.50	489316.3043	1493644.5706	
L	174+63.35	47.50	489449.1104	1493410.6369	
L	175+63.24	59.50	489362.7739	1493464.3100	
L	176+82.00	59.50	489270.5803	1493541.3946	
L	179+93.50	-48.50	489094.0342	1493820.0618	
L	180+41.01	-71.54	489067.6971	1493866.8171	
L	182+50.00	-52.50	488883.6991	1493968.4908	
L	187+94.88	54.50	488380.4182	1494203.0652	
L	188+40.00	53.38	488345.2511	1494231.7476	
L	134+87.00	52.50	492806.9498	1491279.5120	
L	135+61.61	78.99	492730.5783	1491298.8578	
L	173+31.13	-78.93	489630.5765	1493431.2725	
L	181+58.00	-78.50	488973.8685	1493938.5093	
L	176+79.98	143.35	489217.6164	1493476.3569	
L	111+34.50	-47.50	494836.0569	1490087.4816	
L	117+10.14	52.50	494289.7212	1490293.4889	
L	117+10.14	-47.50	494336.9105	1490381.6545	
L	126+53.86	-47.50	493542.7915	1490878.2499	
L	130+65.00	-47.50	493209.6762	1491119.2227	
L	131+13.48	64.50	493104.8006	1491056.8488	
L	164+57.50	-46.25	490348.2949	1492951.1808	
L	173+82.01	-87.02	489595.3860	1493467.7612	
L	176+15.70	-117.23	489434.9912	1493633.8306	
L	188+91.75	-54.50	488371.0210	1494348.5879	
L	167+10.09	46.31	490081.2997	1492989.5126	
L	126+93.00	52.50	493452.4702	1490820.1657	
L	174+45.81	-51.00	489523.5421	1493477.4870	
L	170+53.00	47.50	489785.3253	1493168.8341	
L	173+18.15	-60.30	489629.7891	1493408.6836	
L	181+68.41	-141.64	489000.6765	1493996.5918	
L	131+45.10	100.90	493058.0470	1491045.6505	
L	134+17.00	52.50	492864.5890	1491240.3301	
L	184+68.00	-52.50	488706.4122	1494093.3660	POINT NOT SET
L	160+68.06	53.25	490640.0021	1492674.8860	
L	162+74.68	53.25	490461.3718	1492776.5027	
L	164+01.65	183.88	490288.6086	1492722.1116	
L	155+28.20	-246.12	491259.8967	1492643.1659	
L	154+65.85	-263.85	491321.8370	1492624.0531	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	160+57.08	-114.36	490733.9718	1492814.1107	
L	163+32.61	321.41	490282.0925	1492569.1404	
L	163+90.94	226.93	490277.4013	1492679.2363	
L	163+86.06	386.40	490205.7457	1492536.6992	
L	164+29.16	446.35	490140.9662	1492503.4784	
L	164+29.19	287.30	490215.9902	1492643.7171	
L	164+60.46	166.94	490245.6516	1492764.3021	
L	163+29.33	453.66	490221.3117	1492451.6391	
L	162+02.19	375.28	490365.9133	1492460.8712	
L	160+40.38	260.85	490558.7692	1492481.9093	
L	160+10.25	244.90	490592.1691	1492480.7652	
L	159+69.41	201.42	490648.6953	1492497.7804	
L	163+27.97	58.42	490412.4732	1492797.5827	
L	162+46.46	315.48	490357.9418	1492533.9461	
L	158+03.97	60.34	490861.4696	1492533.6339	
L	156+55.77	-267.06	491162.5038	1492731.0720	
L	159+57.27	-271.69	490901.5948	1492897.8168	
L	154+01.14	-242.41	491364.4154	1492570.8233	
L	154+58.60	-110.99	491244.6235	1492491.9276	
L	155+61.36	-173.71	491192.6357	1492600.5120	
L	155+91.82	-207.02	491185.0600	1492645.1536	
L	156+55.77	-213.06	491133.4242	1492685.5706	
L	159+28.15	-216.82	490898.9653	1492835.4114	
L	159+60.89	-177.77	490850.2562	1492819.0864	
L	159+37.52	-98.59	490829.9168	1492738.9774	
L	159+14.84	-73.01	490836.3212	1492705.2683	
L	159+91.70	-312.00	490891.7611	1492950.5741	
L	160+22.82	-489.14	490954.0030	1493119.5555	
L	160+59.55	-282.90	490816.7882	1492960.9266	
L	160+53.92	-241.99	490801.1423	1492922.6867	
L	158+08.03	-53.25	490917.7582	1492632.3832	
L	156+76.45	-53.25	491029.8196	1492562.1068	
L	163+89.75	115.23	490331.5254	1492776.9578	
L	164+83.52	76.79	490267.7233	1492854.6310	
L	154+09.49	-58.84	491257.3970	1492421.4397	
L	152+88.05	-41.25	491349.6414	1492340.5250	
L	150+66.10	56.67	491482.3971	1492137.4909	POINT NOT SET
L	166+30.72	44.72	490152.1302	1492952.0851	
L	160+43.60	156.37	490608.8799	1492573.6407	
L	160+84.88	192.28	490555.7529	1492563.0523	
L	158+50.24	-60.23	490885.2578	1492660.5695	
L	136+29.50	108.05	492658.3723	1491311.8268	
L	136+50.00	59.50	492668.0208	1491363.5848	
L	136+69.00	54.46	492654.9627	1491378.1617	
L	138+50.00	-53.50	492562.1594	1491567.2634	
L	142+36.04	-49.00	492236.0039	1491773.8263	
L	142+11.85	83.00	492184.3654	1491649.9613	
L	141+00.00	55.17	492293.3178	1491612.3555	
L	141+51.92	80.00	492236.2546	1491619.8224	
L	142+56.00	55.41	492162.3758	1491697.1508	
L	144+85.00	56.00	491970.0323	1491821.4300	PK NAIL SET
L	145+31.09	83.00	491916.6723	1491823.9030	
L	145+90.88	79.99	491868.1745	1491859.0053	
L	146+38.00	56.00	491841.7357	1491904.7907	
L	143+10.81	55.50	492116.3687	1491726.9440	
L	143+36.16	56.00	492094.8387	1491740.3332	
L	149+41.00	56.47	491587.4052	1492069.4880	
L	149+41.00	56.47	491587.4052	1492069.4880	
L	148+65.68	-78.01	491723.8372	1492141.2188	
L	148+26.00	-51.00	491742.3942	1492096.9494	PK NAIL SET

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski
93908B574013407...
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

$$$$SYSTIME$$$$ $$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$ $$$$USERNAME$$$$

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03/30/2026 TO 05/13/2026 .
4. NV5 VERIFIED THAT ALL ROW AND EASEMENT MARKERS WERE SET AT A PREVIOUS DATE BY WSP. NV5 WAS ONLY TASKED WITH REPLACING MISSING AND REVISED ROW AND EASEMENT MARKERS. SEE SURVEY REPORT FOR ADDITIONAL INFORMATION.

6/2/99

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW03E-2

Location and Surveys

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1333

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	143+36.04	-51.00	492153.2393	1491829.9903	
L	149+29.50	-135.35	491701.5699	1492224.0751	
L	137+10.00	-53.50	492679.5533	1491490.9831	
L	150+09.00	-47.00	491586.7642	1492193.3045	
L	149+30.76	-75.00	491667.6282	1492174.1525	
L	149+94.04	88.52	491525.4694	1492071.5146	
L	154+47.12	-163.88	491283.0749	1492530.0234	
L	130+00.00	64.50	493196.6964	1490990.3797	
L	133+65.00	-59.50	492970.8915	1491303.1736	
L	136+10.00	-63.70	492769.1792	1491444.4906	
L	149+24.50	-135.25	491705.7048	1492221.2638	
L	131+80.75	131.67	493011.4316	1491041.1700	
L	131+69.71	366.52	492883.7575	1490843.7633	
L	132+95.36	375.07	492779.3914	1490907.0671	
L	133+05.74	114.64	492920.1703	1491126.4064	
L	131+69.96	481.28	492816.8307	1490750.5432	
L	132+93.17	421.12	492754.7393	1490868.1125	
L	175+93.73	209.40	489243.4409	1493368.3439	
L	177+11.71	213.55	489146.9014	1493444.6185	
L	163+27.07	456.74	490221.7187	1492447.9078	
L	139+00.00	-93.00	492541.7550	1491627.6282	
L	102+64.00	-135.00	495615.7938	1489684.1412	
L	103+04.00	-135.00	495582.2521	1489706.9105	
L	104+00.00	-95.00	495479.3018	1489727.6547	
L	101+00.00	-83.22	495722.4898	1489547.0928	
L	106+27.00	122.00	495170.3248	1489669.6850	
L	107+90.00	75.13	495058.8585	1489797.5188	
L	105+21.00	124.00	495258.2704	1489610.4770	
L	105+00.00	91.27	495293.5835	1489626.6203	
L	127+55.00	110.00	493368.5344	1490809.9166	
L	127+20.00	75.00	493417.4064	1490817.7606	
L	128+20.00	110.00	493315.8695	1490848.0139	
L	129+86.00	68.04	493205.9655	1490979.3068	
L	167+55.00	80.00	490025.1058	1492982.7788	
L	167+97.00	125.00	489965.4272	1492965.4446	
L	168+68.00	125.00	489902.9465	1493002.7578	*POINT NOT SET*
L	170+35.00	80.00	489782.7385	1493131.6606	
L	185+00.00	-85.00	488699.7073	1494138.3244	
L	186+82.75	-153.00	488594.9736	1494300.3769	
L	187+40.00	-153.00	488550.0573	1494334.4438	
L	188+34.00	-71.00	488426.3834	1494326.2135	
L	142+00.00	-100.00	492294.0129	1491796.9542	
L	140+76.00	-146.00	492423.0516	1491767.9653	
L	141+15.00	-146.00	492390.3490	1491789.2148	
L	139+10.00	-53.50	492511.8478	1491599.9549	
L	139+65.00	-112.57	492497.9157	1491679.4572	
L	139+55.00	-63.00	492479.2902	1491632.4396	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y1A	10+79.08	-27.00	491259.8967	1492643.1659
Y1A	12+01.94	-27.00	491162.5038	1492731.0720
Y1A	15+11.58	-27.00	490901.5948	1492897.8168
Y1A	10+88.87	52.09	491192.6357	1492600.5120
Y1A	11+31.11	27.00	491185.0600	1492645.1536
Y1A	12+01.94	27.00	491133.4242	1492685.5706
Y1A	14+80.19	27.00	490898.9653	1492835.4114

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y2	14+86.02	30.00	490896.9836	1493138.6442	
Y2	11+23.91	57.84	490733.9718	1492814.1107	
Y2	11+72.59	-47.88	490850.2562	1492819.0864	
Y2	10+90.75	-59.42	490829.9168	1492738.9774	
Y2	13+10.00	-36.45	490891.7611	1492950.5741	*PK NAIL SET*
Y2	14+89.96	-30.00	490954.0030	1493119.5555	
Y2	12+91.16	36.85	490816.7882	1492960.9266	
Y2	12+49.85	36.84	490801.1423	1492922.6867	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y2A	10+88.00	79.50	490769.7132	1492552.8497	
Y2A	11+04.75	-46.75	490657.5192	1492613.3373	
Y2A	16+74.00	-30.00	490140.9662	1492503.4784	*PK NAIL SET*
Y2A	15+99.75	30.25	490221.3117	1492451.6391	*PK NAIL SET*
Y2A	14+55.00	36.75	490365.9133	1492460.8712	
Y2A	12+61.00	36.75	490558.7692	1492481.9093	
Y2A	12+30.00	41.75	490592.1691	1492480.7652	
Y2A	11+82.86	41.75	490648.6953	1492497.7804	
Y2A	14+55.00	-36.76	490357.9418	1492533.9461	
Y2A	11+88.97	-43.72	490608.8799	1492573.6407	
Y2A	12+55.20	-44.24	490555.7529	1492563.0523	
Y2A	15+99.75	34.00	490221.7187	1492447.9078	*PK NAIL SET*

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y2B	12+47.85	-27.50	490288.6086	1492722.1116
Y2B	10+80.53	-38.96	490282.0925	1492569.1404
Y2B	12+00.34	-27.96	490277.4013	1492679.2363
Y2B	10+56.00	40.42	490205.7457	1492536.6992
Y2B	11+56.05	27.50	490215.9902	1492643.7171
Y2B	12+72.35	27.50	490245.6516	1492764.3021
Y2B	13+22.00	-44.50	490331.5254	1492776.9578
Y2B	13+58.00	49.50	490267.7233	1492854.6310

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+04.06	-38.85	491321.8370	1492624.0531
Y1	10+83.36	26.00	491364.4154	1492570.8233
Y1	12+39.93	31.68	491244.6235	1492491.9276
Y1	11+81.50	26.00	491283.0749	1492530.0234

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y24	10+73.48	31.71	492730.5783	1491298.8578
Y24	11+20.00	-25.53	492658.3723	1491311.8268
Y24	10+76.24	-58.27	492668.0208	1491363.5848

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by:
Jacob Buczynski
339085574013407...
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03/30/2026 TO 05/13/2026 .
4. NV5 VERIFIED THAT ALL ROW AND EASEMENT MARKERS WERE SET AT A PREVIOUS DATE BY WSP. NV5 WAS ONLY TASKED WITH REPLACING MISSING AND REVISED ROW AND EASEMENT MARKERS. SEE SURVEY REPORT FOR ADDITIONAL INFORMATION.

STIPULATED CONTROL

6/2/99

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW03E-3
Location and Surveys	

NV5

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # P-1333

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y25	23+75.00	50.00	493138.7994	1491238.1070
Y25	23+90.08	-50.00	493046.6405	1491279.7505
Y25	25+80.46	86.71	493058.0470	1491045.6505
Y25	26+09.54	50.00	493011.4316	1491041.1700
Y25	28+48.54	-72.00	492779.3914	1490907.0671
Y25	28+97.57	-70.34	492754.7393	1490868.1125

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y27	10+79.52	31.31	491916.6723	1491823.9030
Y27	10+84.00	-28.39	491868.1745	1491859.0053

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y28	12+47.00	30.00	491723.8372	1492141.2188
Y28	11+91.00	-35.00	491701.5699	1492224.0751
Y28	12+51.37	-35.00	491667.6282	1492174.1525
Y28	11+91.00	-30.00	491705.7048	1492221.2638

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y29	10+90.31	-30.00	491479.0015	1492109.9917
Y29	10+68.62	-47.28	491482.3971	1492137.4909
Y29	10+84.00	30.00	491525.4694	1492071.5146

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	12+36.08	35.00	489217.6164	1493476.3569
Y3	13+35.00	-15.48	489243.4409	1493368.3439
Y3	12+16.53	-40.00	489146.9014	1493444.6185

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y30	13+12.43	25.00	489630.5765	1493431.2725
Y30	13+04.00	-25.00	489595.3860	1493467.7612
Y30	13+33.41	36.54	489629.7891	1493408.6836

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y31	14+81.16	-30.00	489375.8016	1493643.7034
Y31	14+80.21	30.00	489434.9912	1493633.8306

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by:
Jacob Buczynski
2D09B5E1A21A4E5...
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y33	13+57.90	36.30	489067.6971	1493866.8171
Y33	12+87.22	-59.96	488973.8685	1493938.5093
Y33	12+30.00	-29.68	489000.6765	1493996.5918

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y4	13+68.96	50.00	492883.7575	1490843.7633
Y4	11+11.95	-72.92	492920.1703	1491126.4064
Y4	14+79.09	50.00	492816.8307	1490750.5432

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
L	103+89.50	105.51	495377.2788	1489554.7259	
L	103+57.76	100.42	495406.2431	1489541.5464	
L	104+35.50	121.00	495330.7892	1489566.8541	
L	104+49.50	-69.53	495423.6142	1489733.8316	
L	104+49.50	-135.00	495459.4821	1489788.5980	
L	122+31.04	-65.00	493899.6612	1490657.3022	
L	124+61.12	-65.00	493709.2895	1490782.6500	
L	124+75.00	111.00	493598.4550	1490645.2246	
L	124+75.00	133.35	493585.8249	1490626.7910	
L	125+11.00	134.00	493555.2421	1490647.0662	
L	125+11.00	104.00	493572.3258	1490671.7269	
L	125+31.50	-91.00	493666.7543	1490843.5675	
L	125+31.50	-117.00	493681.6226	1490864.8966	
L	125+80.00	-117.00	493642.5955	1490892.3036	
L	125+80.00	-82.00	493622.3819	1490863.7307	
L	126+12.88	-65.00	493586.0157	1490868.7274	
L	127+40.00	-47.50	493473.0007	1490928.7360	
L	135+68.80	-94.32	492820.6609	1491447.0916	
L	134+00.00	120.00	492840.3631	1491175.1058	
L	183+76.00	62.30	488714.6291	1493946.4510	
L	184+60.00	60.67	488646.7706	1493996.8582	
L	184+60.00	72.00	488640.1513	1493987.6595	
L	183+76.00	72.00	488709.0312	1493938.5322	
L	184+68.00	-112.00	488741.2039	1494141.6339	
L	184+21.00	-112.00	488778.9682	1494114.5480	
L	189+58.00	81.00	488235.1500	1494283.1023	
L	108+68.65	-95.00	495085.1322	1489983.0926	
L	111+89.00	-137.00	494837.8442	1490192.6276	
L	112+24.00	-116.00	494796.5036	1490193.9027	PK NAIL SET
L	123+76.00	-118.00	493808.5693	1490779.6917	
L	122+50.00	-104.00	493904.8131	1490700.2613	
L	104+00.00	-134.97	495501.3659	1489760.9830	
L	103+89.50	120.55	495368.9590	1489542.1871	
L	187+80.00	-118.38	488497.6806	1494330.9582	
L	112+24.00	-47.50	494760.0660	1490135.8980	
L	107+95.00	-47.50	495121.2100	1489903.2273	
L	107+95.00	-95.00	495146.9891	1489943.1232	
L	112+70.00	-47.50	494720.7689	1490160.4041	
L	113+05.00	-47.50	494690.7616	1490178.8767	
L	113+05.00	-79.00	494707.2078	1490205.7425	
L	112+70.00	-80.00	494737.8756	1490188.0376	
L	108+32.00	-95.00	495115.9123	1489963.2038	
L	120+40.50	-82.00	494069.0829	1490572.8725	

NOTES:

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SYSTEM GENERATED SHEET

6/2/99

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW03E-4

Location and Surveys

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # P-1333

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
L	120+40.50	-50.49	494052.9215	1490545.8271	
L	120+76.00	-51.66	494023.3170	1490564.9806	
L	120+76.00	-82.00	494039.0120	1490590.9455	
L	122+31.04	-54.78	493894.1808	1490648.6734	
L	134+00.00	96.00	492853.9414	1491194.8954	
L	174+22.50	47.50	489481.6804	1493385.3362	
L	174+43.00	47.50	489465.3115	1493397.9984	
L	184+21.00	-106.00	488775.4827	1494109.6642	
L	185+30.00	59.14	488590.6551	1494039.4288	
L	185+39.00	58.93	488583.4691	1494044.9392	
L	185+39.00	75.00	488573.9787	1494031.9679	
L	185+30.00	75.00	488581.2991	1494026.6170	
L	124+61.12	-53.05	493702.5540	1490772.7777	
L	143+02.45	-50.33	492181.0365	1491811.1271	
L	142+96.00	-85.00	492205.3391	1491836.6841	
L	147+95.00	-51.00	491768.3886	1492080.0588	
L	143+02.45	-70.55	492192.0540	1491828.0829	
L	147+06.50	-51.00	491842.5983	1492031.8388	
L	147+06.50	-63.71	491849.5254	1492042.4994	
L	147+19.50	-65.70	491839.7069	1492051.2483	
L	147+17.25	-91.50	491855.6484	1492071.6580	
L	147+41.50	-95.50	491837.4961	1492088.2233	
L	147+49.00	-71.00	491817.8581	1492071.7658	
L	147+71.00	-76.50	491802.4072	1492088.3646	
L	147+71.00	-51.00	491788.5133	1492066.9822	
L	147+95.00	-51.00	491768.3886	1492080.0588	*PK NAIL SET*
L	137+08.00	85.00	492605.7674	1491373.7573	
L	137+29.00	90.00	492585.4340	1491381.0067	
L	140+16.00	86.00	492346.9560	1491540.7354	*POINT NOT SET*
L	140+16.00	95.00	492342.0523	1491533.1886	
L	139+88.00	95.00	492365.5311	1491517.9326	
L	139+88.00	86.00	492370.4348	1491525.4793	
L	138+70.00	85.00	492469.9259	1491462.0245	
L	137+94.00	85.00	492533.6540	1491420.6152	
L	137+94.00	82.00	492535.2886	1491423.1308	
L	137+10.00	-87.00	492697.8061	1491519.0738	
L	135+00.00	-115.00	492889.8334	1491425.6502	*POINT NOT SET*
L	134+46.00	-115.00	492934.9735	1491395.0803	*POINT NOT SET*
L	133+56.00	-96.00	492999.0931	1491328.0528	
L	159+00.00	-80.00	490852.7347	1492703.5122	
L	159+00.00	-70.04	490847.5751	1492694.9890	
L	164+41.00	-100.00	490388.2332	1492990.8071	
L	163+87.00	-100.00	490436.2797	1492964.1974	
L	166+25.00	45.91	490156.6340	1492948.2880	
L	166+25.00	82.00	490139.4307	1492916.5608	
L	166+52.00	82.00	490115.3416	1492929.7068	
L	166+52.00	45.02	490133.1429	1492962.1181	
L	165+64.00	59.03	490204.8159	1492907.6668	
L	165+37.00	83.00	490217.8648	1492873.7838	
L	165+64.00	83.00	490193.6474	1492886.4558	
L	156+10.00	62.47	491023.2926	1492428.8406	
L	156+37.00	62.40	491000.7710	1492443.4252	
L	156+37.00	95.00	490983.1592	1492415.9875	
L	156+10.00	95.00	491005.6456	1492401.5108	
L	170+75.00	47.50	489766.8052	1493181.0915	*POINT NOT SET*
L	170+75.00	80.00	489748.8085	1493154.0292	
L	171+54.00	47.50	489700.7496	1493225.7757	*POINT NOT SET*
L	171+54.00	78.00	489683.4613	1493200.6488	
L	173+07.00	70.00	489561.5500	1493297.1205	
L	173+07.00	47.50	489574.8649	1493315.2578	
L	102+40.00	109.10	495497.8874	1489469.0563	

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
L	102+40.00	113.00	495495.6842	1489465.8413	
L	113+40.00	123.00	494572.3720	1490051.3392	
L	106+34.00	119.99	495165.5379	1489675.1748	
L	131+33.86	88.00	493074.6308	1491049.6226	
L	133+52.01	89.00	492897.1267	1491173.6384	
L	137+38.00	94.00	492575.7079	1491382.5563	
L	137+44.00	82.00	492577.2150	1491395.8878	
L	143+53.00	87.00	492063.8273	1491723.5143	
L	143+53.00	93.00	492060.5582	1491718.4831	
L	143+63.00	96.00	492050.5383	1491721.4161	
L	143+67.00	86.00	492052.6328	1491731.9808	
L	148+03.00	81.00	491689.7590	1491973.7320	
L	148+06.00	91.00	491681.7948	1491966.9813	
L	148+16.00	81.00	491678.8581	1491980.8151	
L	148+16.00	87.00	491675.5890	1491975.7840	
L	149+10.00	80.00	491600.5814	1492032.8704	
L	149+12.00	91.00	491592.9109	1492024.7363	
L	149+22.00	89.00	491585.6153	1492031.8620	
L	149+22.00	80.00	491590.5191	1492039.4087	
L	149+79.94	80.00	491541.9353	1492070.9775	*PK NAIL SET*
L	151+47.00	77.50	491403.2125	1492164.0983	
L	151+47.00	84.00	491399.6709	1492158.6479	
L	151+58.00	84.00	491390.4471	1492164.6413	
L	151+58.00	77.50	491393.9887	1492170.0917	
L	153+10.00	76.00	491267.3497	1492254.1681	
L	154+37.00	82.00	491157.5876	1492318.3340	
L	154+37.00	91.00	491152.6838	1492310.7873	
L	154+50.00	91.00	491141.7830	1492317.8704	
L	154+50.00	82.00	491146.6867	1492325.4172	
L	156+10.00	90.00	491008.3579	1492405.7113	
L	156+37.00	90.50	490985.5900	1492419.7744	
L	167+38.00	67.15	490046.4660	1492985.3384	
L	167+38.00	79.00	490040.5813	1492975.0475	
L	171+99.00	75.00	489647.6502	1493229.1793	
L	171+99.00	79.00	489645.3533	1493225.9045	
L	172+04.00	79.00	489641.1966	1493228.8231	
L	172+04.00	99.00	489629.6957	1493212.4606	
L	172+15.00	99.00	489620.5253	1493218.9214	
L	172+15.00	79.00	489632.0621	1493235.2585	
L	172+18.00	79.00	489629.5733	1493237.0171	
L	172+18.00	74.00	489632.4600	1493241.0997	
L	174+22.50	83.00	489460.0171	1493357.2123	
L	174+27.00	83.00	489456.3942	1493360.0055	
L	174+27.00	103.00	489444.1753	1493344.1721	
L	174+38.00	103.00	489435.2951	1493351.0407	
L	174+38.00	83.00	489447.5488	1493366.8472	
L	174+43.00	83.00	489443.5331	1493369.9635	
L	176+81.31	87.80	489252.7061	1493519.4457	
L	183+19.00	63.29	488760.9946	1493912.6704	
L	183+19.00	85.00	488748.5615	1493894.8681	
L	183+27.00	86.00	488741.3755	1493898.6709	
L	183+27.00	98.00	488734.4967	1493888.8382	
L	183+38.00	98.00	488725.3986	1493895.2106	
L	183+38.00	88.00	488731.1400	1493903.3982	
L	183+52.00	90.00	488718.4316	1493909.8791	
L	183+52.00	62.73	488734.1202	1493932.1856	
L	127+40.00	-105.00	493506.7022	1490975.3241	
L	129+53.00	-80.53	493319.7798	1491080.3380	
L	129+95.00	-73.00	493281.3381	1491098.8557	
L	129+95.00	-47.50	493266.3923	1491078.1948	

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski

Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

NOTES:

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SYSTEM ENGINEERING TIMELINE

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW03E-5

Location and Surveys

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1333

6/2/99

REVISIONS

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
L	133+67.00	-95.00	492989.4024	1491333.5322	
L	133+56.00	-81.00	492990.5613	1491315.7154	
L	133+67.00	-80.00	492980.8820	1491321.1871	
L	133+50.00	-81.00	492995.5287	1491312.2785	
L	133+71.00	-80.00	492977.5676	1491323.4738	
L	133+50.00	-61.17	492984.2424	1491295.9753	
L	133+71.00	-59.50	492965.9287	1491306.5982	
L	133+99.00	-93.00	492961.7016	1491350.1686	
L	134+16.00	-86.00	492943.6166	1491354.0750	
L	134+07.00	-99.00	492958.4445	1491359.6775	POINT NOT SET
L	134+03.00	-77.00	492949.3286	1491339.2536	
L	134+15.00	-59.80	492929.6518	1491331.8841	
L	138+16.00	-102.00	492617.0950	1491589.4068	
L	143+91.00	-51.00	492107.1538	1491859.9358	
L	143+97.00	-69.00	492111.9301	1491878.2984	
L	144+11.00	-80.00	492106.1842	1491895.1502	
L	144+25.00	-75.00	492091.7205	1491898.5856	
L	144+25.00	-51.00	492078.6439	1491878.4610	
L	153+06.00	-85.00	491358.4261	1492386.9916	
L	153+17.00	-85.00	491349.2023	1492392.9851	
L	153+17.00	-65.00	491338.3052	1492376.2145	
L	153+22.00	-65.00	491334.1125	1492378.9388	
L	153+22.00	-46.17	491323.8515	1492363.1473	
L	153+01.00	-43.13	491339.8033	1492349.1548	
L	153+01.00	-65.00	491351.7216	1492367.4968	
L	153+06.00	-65.00	491347.5290	1492370.2211	
L	154+03.00	-81.00	491274.9095	1492436.4888	
L	163+87.00	-96.00	490434.3773	1492961.4788	
L	163+87.00	-46.25	490410.7160	1492917.7157	
L	164+41.00	-94.00	490385.4081	1492985.5138	
L	165+25.00	-91.00	490309.0484	1493022.4636	
L	165+25.00	-103.00	490314.6094	1493033.0973	
L	165+38.00	-100.00	490301.5802	1493036.5160	
L	165+38.00	-91.00	490297.4198	1493028.5353	PK NAIL SET
L	167+47.00	-79.00	490111.3281	1493116.6097	
L	167+47.00	-62.39	490103.0567	1493102.2053	
L	178+11.50	-81.00	489261.4945	1493733.0504	
L	178+11.50	-90.00	489267.1714	1493740.0342	
L	178+23.00	-91.00	489258.5934	1493748.2663	
L	178+23.00	-81.00	489252.3156	1493740.4824	
L	178+81.00	190.00	489039.5727	1493563.2329	POINT NOT SET
L	177+70.00	-78.00	489292.4558	1493703.6376	
L	184+68.00	-108.00	488738.8650	1494138.3890	
L	185+62.00	-108.55	488664.0130	1494193.5535	
L	187+99.00	-119.00	488483.1900	1494342.9119	
L	187+99.00	-108.00	488476.4661	1494334.2061	
L	193+79.00	-103.00	488018.1768	1494688.0957	
L	193+79.00	-94.00	488012.6096	1494681.0242	
L	193+91.00	-104.00	488009.3667	1494696.3043	
L	194+12.00	-82.00	487979.2578	1494692.0084	
L	194+12.00	-54.50	487962.2470	1494670.4009	
L	130+00.00	89.00	493182.3367	1490970.5291	
L	130+00.00	100.00	493175.8894	1490961.6166	
L	130+12.00	97.00	493167.9250	1490971.0806	
L	130+10.00	87.00	493175.4066	1490978.0107	
L	193+90.98	69.39	487902.1291	1494560.0574	
L	193+90.97	53.27	487912.1096	1494572.7156	

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
L	136+42.00	-91.00	492757.3031	1491485.0059	
L	136+42.00	-107.00	492766.0874	1491498.3789	
L	136+53.00	-107.00	492756.8088	1491504.4677	
L	136+53.00	-93.00	492749.1332	1491492.7593	
L	183+72.00	-106.00	488815.0130	1494081.5979	
L	183+72.00	-115.00	488820.2053	1494088.9491	
L	183+59.00	-117.00	488831.8581	1494083.1773	
L	183+59.00	-106.00	488825.5237	1494074.1843	
L	189+16.00	88.00	488263.8205	1494251.6221	
L	175+50.00	90.00	489353.9400	1493432.1743	
L	175+50.00	57.79	489374.2396	1493457.1820	
L	157+39.00	61.47	490915.6823	1492498.5269	
L	157+39.00	79.00	490906.3647	1492483.6799	PK NAIL SET
L	157+67.00	79.00	490882.8150	1492498.4133	PK NAIL SET
L	157+67.00	61.04	490892.3210	1492513.6551	PK NAIL SET
L	160+88.00	97.55	490600.6341	1492646.5317	PK NAIL SET
L	160+52.03	68.56	490646.0520	1492653.6291	
L	113+63.84	123.16	494552.2369	1490063.2948	
L	113+64.79	100.00	494563.3577	1490083.6305	
L	117+50.00	108.00	494227.9032	1490263.7570	
L	120+00.00	92.00	494015.1111	1490402.5628	
L	122+00.00	104.00	493835.6793	1490497.8163	
L	126+00.97	105.97	493496.4605	1490722.5990	
L	126+00.97	52.50	493527.4723	1490766.1583	
L	129+53.00	-93.00	493327.0900	1491090.4435	
L	129+69.00	-93.00	493314.1264	1491099.8213	
L	129+69.00	-73.00	493302.4041	1491083.6167	
L	123+50.00	81.00	493720.3549	1490599.4377	
L	129+57.00	114.00	493202.5237	1490925.0705	
L	129+44.00	131.00	493203.0927	1490903.6771	
L	129+57.00	131.00	493192.5598	1490911.2966	
L	129+44.00	118.00	493210.7122	1490914.2101	
L	150+84.00	78.00	491455.7673	1492129.3529	PK NAIL SET

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
Y1	12+17.00	52.00	491273.3132	1492490.1785	
Y1	12+17.00	28.09	491258.0418	1492508.5738	
Y1	12+24.76	69.18	491279.4734	1492472.8780	
Y1	12+29.81	-98.55	491164.8553	1492595.4502	POINT NOT SET
Y1	12+37.88	72.04	491273.4800	1492463.6542	
Y1	12+41.89	80.03	491276.6254	1492455.6475	
Y1	12+54.39	82.19	491271.1768	1492447.2623	
Y1	10+66.00	-32.25	491363.3631	1492631.6194	
Y1	10+66.00	-49.00	491358.6392	1492647.6915	

I, Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by:
Jacob Buczynski
93908B574013407...
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03/30/2026 TO 05/13/2026 .
4. NV5 VERIFIED THAT ALL ROW AND EASEMENT MARKERS WERE SET AT A PREVIOUS DATE BY WSP. NV5 WAS ONLY TASKED WITH REPLACING MISSING AND REVISED ROW AND EASEMENT MARKERS. SEE SURVEY REPORT FOR ADDITIONAL INFORMATION.

$$$$ SIGNATURE $$$$ TIMESTAMP $$$$

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW03E-6
Location and Surveys	

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # P-1333

6/2/99

REVISIONS

SYSTEM ENGINEERING DESIGN

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
Y1A	15+03.40	55.78	490863.9079	1492823.6618	
Y1A	14+97.28	54.67	490869.6660	1492821.3034	
Y1A	14+80.19	44.00	490889.8107	1492821.0868	
Y1A	14+53.00	44.00	490912.7215	1492806.4447	
Y1A	14+29.00	40.00	490935.0983	1492796.8910	
Y1A	13+75.00	27.00	490987.6004	1492778.7654	
Y1A	13+75.00	46.00	490977.3687	1492762.7557	
Y1A	13+47.00	27.00	491011.1937	1492763.6871	
Y1A	13+47.00	46.00	491000.9620	1492747.6774	
Y1A	13+22.00	27.00	491032.2592	1492750.2243	
Y1A	13+22.00	44.00	491023.1045	1492735.8998	
Y1A	12+95.00	44.00	491045.8552	1492721.3600	
Y1A	12+95.00	27.00	491055.0099	1492735.6846	
Y1A	14+29.00	31.00	490939.9449	1492804.4745	PK NAIL SET
Y1A	14+88.82	37.70	490885.9254	1492831.0410	
Y1A	11+06.45	76.30	491164.8553	1492595.4502	
Y1A	10+57.94	-43.85	491287.2563	1492634.7236	
Y1A	14+12.00	31.00	490954.2695	1492795.3198	PK NAIL SET
Y1A	14+12.00	27.00	490956.4235	1492798.6903	

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
Y2	10+88.62	-75.97	490844.4199	1492730.7297	
Y2	11+55.00	-65.00	490859.4324	1492796.3179	
Y2	11+55.00	-48.87	490844.5027	1492802.4329	
Y2	15+78.00	-30.00	490987.3705	1493201.0226	
Y2	15+78.00	-53.00	491008.6544	1493192.3051	
Y2	15+55.00	-50.00	490997.1607	1493172.1582	POINT NOT SET
Y2	15+55.00	-30.00	490978.6529	1493179.7387	POINT NOT SET
Y2	16+02.00	41.00	490930.7645	1493250.1425	
Y2	16+02.00	68.00	490905.7790	1493260.3761	
Y2	15+75.00	68.00	490895.5454	1493235.3906	
Y2	15+75.00	30.00	490930.7101	1493220.9878	
Y2	15+62.00	68.00	490890.6181	1493223.3606	
Y2	15+62.00	58.00	490899.8720	1493219.5704	
Y2	12+43.00	62.00	490775.2622	1492925.8879	
Y2	11+31.02	111.91	490686.6289	1492841.1783	
Y2	16+19.00	30.00	490947.3871	1493261.7048	
Y2	16+85.00	-30.00	491027.9259	1493300.0390	
Y2	16+78.00	-52.00	491045.6313	1493285.2228	
Y2	16+68.00	-49.00	491039.0649	1493277.1060	
Y2	16+73.00	-30.00	491023.3776	1493288.9344	

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
Y24	11+06.04	43.76	492713.3021	1491267.1651	
Y24	11+47.32	31.65	492671.6892	1491249.7843	PK NAIL SET
Y24	11+04.63	-62.60	492645.4472	1491349.0852	
Y24	11+04.26	54.89	492722.0849	1491260.0300	
Y24	11+10.77	57.13	492717.6400	1491253.3785	
Y24	11+08.18	67.56	492726.6885	1491247.3257	
Y24	11+01.83	65.39	492731.1396	1491253.9731	
Y24	11+66.00	-28.85	492620.6289	1491287.2327	
Y24	11+66.00	-41.00	492613.4818	1491297.0575	
Y24	11+79.00	-43.00	492602.1908	1491291.4154	
Y24	11+79.00	-29.43	492610.0350	1491280.3373	

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
Y2A	10+91.99	76.00	490763.5171	1492550.0302	
Y2A	11+98.00	41.75	490631.0729	1492490.6372	
Y2A	12+02.00	69.00	490634.8406	1492463.1275	
Y2A	11+90.00	85.00	490656.8074	1492454.1763	
Y2A	11+95.00	92.00	490652.2493	1492444.8757	
Y2A	15+05.00	34.88	490316.0051	1492457.3106	
Y2A	15+16.00	54.00	490307.1437	1492437.1079	
Y2A	16+56.22	37.71	490165.9866	1492438.0947	
Y2A	16+61.00	68.00	490164.5170	1492407.4661	
Y2A	16+73.00	71.00	490152.9131	1492403.1825	
Y2A	16+84.00	67.00	490141.5442	1492405.9660	
Y2A	16+89.05	35.86	490133.1469	1492436.3765	
Y2A	14+97.00	-62.11	490313.4401	1492554.5950	
Y2A	12+04.00	93.00	490639.3899	1492439.3769	
Y2A	12+04.00	81.00	490635.7696	1492450.8178	
Y2A	12+80.00	36.75	490539.8813	1492479.8488	
Y2A	15+24.00	50.00	490298.7571	1492440.2167	
Y2A	15+34.00	69.00	490290.8765	1492420.2443	
Y2A	15+44.00	64.00	490280.3933	1492424.1304	
Y2A	15+34.00	45.00	490288.2739	1492444.1028	
Y2A	15+43.00	41.00	490278.8932	1492447.1032	
Y2A	15+43.00	33.45	490278.0749	1492454.6046	
Y2A	16+60.00	-55.00	490152.1726	1492529.8492	
Y2A	14+87.00	-63.00	490323.2848	1492556.5627	
Y2A	14+87.00	-74.00	490322.0919	1492567.4979	
Y2A	14+68.00	-74.00	490340.9798	1492569.5583	
Y2A	14+70.00	-61.50	490340.3472	1492556.9151	POINT NOT SET
Y2A	13+75.00	-54.00	490435.6003	1492559.7615	
Y2A	13+48.00	-40.75	490463.8779	1492549.5176	
Y2A	16+64.16	-53.11	490148.2448	1492527.5199	

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y2B	13+37.00	79.00	490231.6826	1492851.1207
Y2B	13+45.27	-68.01	490363.2651	1492785.0449
Y2B	11+96.00	69.00	490181.4846	1492694.1154
Y2B	11+96.00	81.00	490169.7134	1492696.4473
Y2B	12+05.00	81.00	490171.9418	1492707.0666
Y2B	12+05.00	69.00	490183.6575	1492704.4699
Y2B	11+05.68	-43.07	490284.7829	1492591.9785
Y2B	11+05.68	-33.93	490275.6492	1492591.6967
Y2B	10+51.71	51.64	490195.0533	1492531.2159

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	14+55.00	51.00	489372.4102	1493314.9731
Y3	14+55.00	35.00	489359.3890	1493305.6753
Y3	12+40.00	76.00	489251.3490	1493499.9895
Y3	11+29.05	-85.60	489071.9326	1493564.9293
Y3	11+31.51	-88.19	489068.6673	1493560.7911
Y3	11+27.99	-96.29	489061.7540	1493568.7695
Y3	11+35.60	-109.55	489046.4736	1493555.3297
Y3	11+32.31	-117.34	489039.5727	1493563.2329
Y3	11+25.20	-105.08	489054.1921	1493575.9373
Y3	11+21.99	-112.37	489048.5700	1493584.0866
Y3	11+19.80	-110.36	489051.6568	1493588.0856

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski
93908B574013407...

Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03/30/2026 TO 05/13/2026 .
4. NV5 VERIFIED THAT ALL ROW AND EASEMENT MARKERS WERE SET AT A PREVIOUS DATE BY WSP. NV5 WAS ONLY TASKED WITH REPLACING MISSING AND REVISED ROW AND EASEMENT MARKERS. SEE SURVEY REPORT FOR ADDITIONAL INFORMATION.

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW03E-7
Location and Surveys	

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # P-1333

6/2/99

REVISIONS

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
Y26	10+87.57	43.70	492244.6556	1491607.2081	
Y26	11+18.00	-30.00	492165.9901	1491619.4874	
Y26	10+94.85	-63.62	492148.9397	1491656.2842	
Y26	10+94.50	-73.61	492140.5544	1491661.7328	
Y26	10+84.51	-73.26	492146.0030	1491670.1181	
Y26	11+38.00	35.00	492209.4861	1491567.1863	
Y26	11+48.00	53.00	492217.9608	1491547.8898	
Y26	11+57.00	48.00	492208.0284	1491542.7650	PK NAIL SET
Y26	11+47.00	30.00	492199.8714	1491562.1363	

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y25	22+72.00	65.00	493207.3304	1491316.4492
Y25	23+08.00	65.00	493187.7801	1491286.2204
Y25	22+69.00	-54.00	493109.0363	1491383.5930
Y25	22+69.00	-50.00	493112.3951	1491381.4207
Y25	23+03.00	-50.00	493093.9309	1491352.8712
Y25	23+03.00	-54.00	493090.5722	1491355.0435
Y25	21+75.00	50.00	493247.4123	1491406.0452
Y25	28+64.54	-71.67	492771.3543	1490894.3671
Y25	29+14.53	50.00	492842.2244	1490783.7860
Y25	29+14.54	85.00	492870.3943	1490763.0145
Y25	27+04.54	85.00	492989.2297	1490942.3921
Y25	27+04.54	97.98	493000.1307	1490935.3419
Y25	26+53.54	93.35	493023.9361	1490980.6826
Y25	26+49.54	50.00	492989.7091	1491007.5823
Y25	26+39.54	-72.74	492892.0763	1491082.6348
Y25	26+24.54	-110.00	492868.9351	1491115.4649
Y25	25+89.54	-95.00	492900.5377	1491136.7082
Y25	25+94.54	-72.90	492916.3830	1491120.5057
Y25	28+96.06	-73.17	492753.2628	1490870.9081
Y25	28+44.54	85.00	492913.1101	1490824.6997

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y28	12+47.00	46.21	491737.2393	1492132.1069

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y27	11+77.00	-20.19	491812.7610	1491786.0728
Y27	10+89.96	-41.87	491854.1529	1491863.3343
Y27	12+10.00	-22.24	491788.3096	1491764.6317
Y27	12+10.00	-92.00	491739.7478	1491814.7192
Y27	11+77.00	-92.00	491761.4757	1491836.3310
Y27	11+05.00	-25.58	491856.8768	1491841.5992
Y27	11+05.00	-42.00	491844.5272	1491852.4193

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y29	12+66.00	-40.00	491343.0818	1492000.8067
Y29	12+69.00	-49.50	491334.5429	1492005.9386
Y29	12+88.00	-49.50	491320.3057	1491993.3567
Y29	12+83.00	-30.00	491336.9653	1491982.0560
Y29	10+72.61	41.90	491541.9353	1492070.9775
Y29	10+93.53	-60.08	491455.7673	1492129.3529
Y29	11+09.00	-59.00	491445.8263	1492118.2784
Y29	11+09.00	-63.00	491443.0672	1492121.1745
Y29	11+20.00	-68.00	491431.9962	1492117.5872
Y29	11+25.00	-57.00	491436.0141	1492106.2836

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y30	13+12.27	-42.83	489575.2356	1493470.4890

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y31	15+25.06	57.15	489448.0582	1493577.0770
Y31	14+82.78	-38.30	489367.3795	1493643.8261

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y33	12+70.02	-51.23	488981.6287	1493955.3226
Y33	13+52.94	66.42	489098.2154	1493869.2271
Y33	13+45.42	71.43	489103.9743	1493877.4023
Y33	13+39.59	62.17	489095.2397	1493884.7530
Y33	13+47.20	57.08	489089.5108	1493876.5567
Y33	13+33.00	32.69	489066.2562	1493893.7959

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y35	10+75.11	-70.16	488334.4610	1494206.4125
Y35	11+34.98	-30.00	488334.8599	1494134.3244

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by:
Jacob Buczynski
5950885874013407
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03/30/2026 TO 05/13/2026 .
4. NV5 VERIFIED THAT ALL ROW AND EASEMENT MARKERS WERE SET AT A PREVIOUS DATE BY WSP. NV5 WAS ONLY TASKED WITH REPLACING MISSING AND REVISED ROW AND EASEMENT MARKERS. SEE SURVEY REPORT FOR ADDITIONAL INFORMATION.

SYSTEMWIDE ENGINEERING

6/2/99

REVISIONS

I , Jacob Buczynski, PLS, 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 03/30/26 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski 939088574013407...

Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW04

Location and Surveys

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1333

NC GRID NAD 83 NA 2011

-L-
PI Sta 81+85.14
△ = 3° 02' 37.6" (LT)
D = 0° 34' 22.6"
L = 531.24'
T = 265.68'
R = 10,000.00'
DS = 40 MPH
e = NC

-L- 83+88.68 301.31' MON

-L- 82+57.69 148.31' MON

-L- PT Sta. 84+50.70

+49.73 138.45'

EIP

-L- 84+49.87 159.46' MON

S 62°44'20" W 21.96'

N 34°47'16" W 119.32'

S 32° 56' 18" E 715.56'

MATTHEWS BELTWAY LLC
DB 9813 PG 435
PB 50 PG 087

SR 1009 E JOHN ST NW 29' BST

SR 1009 E JOHN ST SE 30.5' BST

SR 1009 E JOHN ST 47.5' BST

SR 1009 E JOHN ST 35' BST

SR 1009 E JOHN ST 23' BST

SR 1009 E JOHN ST 36' BST

SR 1009 E JOHN ST SE 47.5' BST

12' BST

11' BST

I-485 INNER 42.5' BST

OFF RAMP TO E JOHN ST 28' BST

ON RAMP TO I-485 INNER 23' BST

60' CONC

CONC

WOODS

SOIL

BST

MATCHLINE -L- 94+00.00
SEE SHEET 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 FROM 03/30/26 TO 05/13/26.

SYSTEMS ENGINEERING

6/2/99

REVISIONS

I, Jacob Buczynski, PLS, 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 03/30/26 to 05/13/26, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski
3390885740134D7...

Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW05

Location and Surveys

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.8520 www.NV5.com
NC License # F-1333

NC GRID NAD 83 NA 2011

MATCHLINE -L- 94+00.00
SEE SHEET 4

MATCHLINE -L- 108+00.00
SEE SHEET 6

DB 14396 PG 692

ASPEN ASSETT GROUP LLC
DB 8909 PG 829

ASPEN ASSET GROUP LLC
DB 8786 PG 789

LESTER AND MARY YANDLE, LLC

EDWIN LAWRENCE TENHENGEL
DB 1918 PG 155

PAUL H TROTTER
6058 - 295

-L-
PI Sta 97+80.80
△ = 2° 44' 36.3" (LT)
D = 0° 34' 22.6"
L = 478.82'
T = 239.45'
R = 10,000.00'
DS = 50 MPH
e = NC

-L-
PI Sta 102+65.68
△ = 2° 48' 46.2" (RT)
D = 0° 34' 22.6"
L = 490.93'
T = 245.52'
R = 10,000.00'
DS = 50 MPH
e = NC

-L- 94+30.22 225.01' MON
-L- 95+10.47 150.66' MON
-L- 94+79.79 139.83' MON
-L- 97+07.46 141.30' MON
-L- 94+30.46 337.27' MON

-L- PRC Sta. 100+20.16
-L- PC Sta. 95+41.34
-L- PT Sta. 105+11.09

N 06°44'05" W 1005.79'
S 32° 56' 18" E
S 32° 52' 08" E
S 64°58'17" W 757.48'
N 62°25'28" E 250.03'
N 33°34'13" W 167.36'
N 08°03'17" E 1175.98'

SR 1009 E JOHN ST 30' BST

WOODS
SOIL
GR
CONC

-L- +00.00 83.22' LT BEGIN C/A
-L- +64.00 135.00' LT
-L- +04.00 135.00' LT
-L- +40.00 119.85' LT 190.00' LT
-L- +00.00 134.97' LT 190.00' LT
-L- +00.00 95.00' LT END C/A
-L- +49.50 68.53' LT 135.00' LT
-L- +49.50 95.00' LT
-L- +85.00 51.50' LT
-L- +37.00 52.66' LT
-L- +85.00 47.50' LT
-L- +95.00 47.50' LT 95.00' LT
-L- +27.03 124.50'
-L- +97.75 98.52'
-L- +57.76 100.42' RT EX.R/W
-L- +40.00 109.10' RT EXIST. R/W 113.00' RT
-L- +89.50 105.51' RT 120.55' RT
-L- +35.50 121.00' RT
-L- +27.00 122.00' RT
-L- +34.00 113.99' RT
-L- +90.00 75.13' RT EX.R/W END C/A
-L- +21.00 124.00' RT
-L- +00.00 97.27' RT EX.R/W BEGIN C/A
-L- +75.00 240.00' RT
-L- +50.21 303.00' RT
-L- +00.00 123.32' RT 303.00' RT

PDE DUE PUE DUE TDE

C A

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 FROM 03/30/26 TO 05/13/26.

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW06

Location and Surveys

NV5

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # P-1333

I , Jacob Buczynski, PLS, 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 03/30/26 to 05/13/26, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski

Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

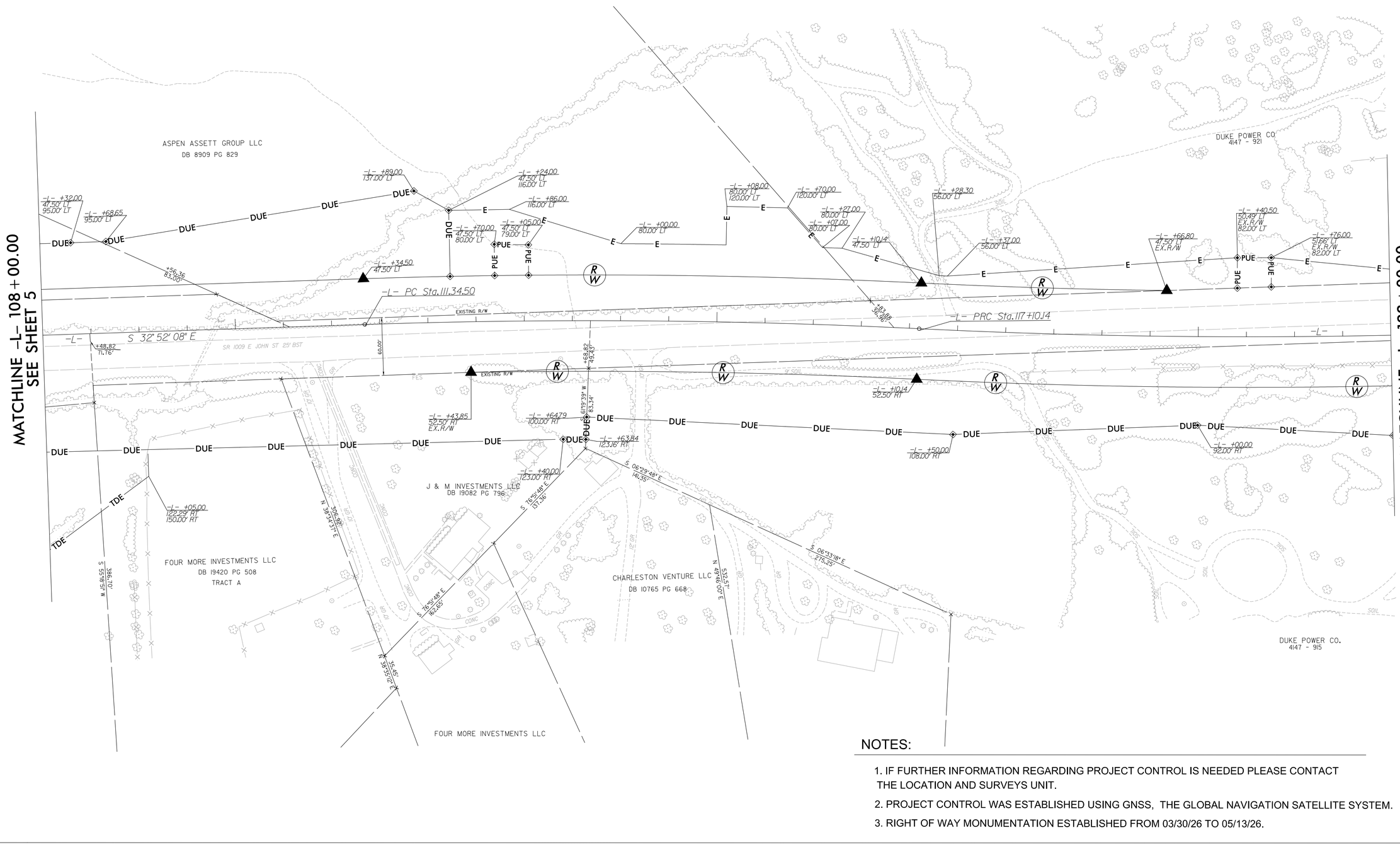
-L-
PI Sta 114+22.48
△ = 4° 42' 42.0" (RT)
D = 0° 49' 06.6"
L = 575.64'
T = 287.98'
R = 7,000.00'
DS = 50 MPH
e = SEE PLAN

-L-
PI Sta 121+82.72
△ = 7° 43' 28.0" (LT)
D = 0° 49' 06.6"
L = 943.72'
T = 472.58'
R = 7,000.00'
DS = 50 MPH
e = SEE PLAN

NC GRID NAD 83 NA 2011

REVISIONS 6/2/99

SYSTIMED SIGNALIZATION 6/2/99



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 FROM 03/30/26 TO 05/13/26.

6/2/99

REVISIONS

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW07

Location and Surveys

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1335

NC GRID NAD 83 NA 2011

-L-
PI Sta 134+01.52
Δ = 2° 51' 59.9" (RT)
D = 0° 28' 38.9"
L = 600.39'
T = 300.26'
R = 12,000.00'
DS = 50 MPH
e = NC

MATCHLINE -L- 122+00.00 SEE SHEET 6

MATCHLINE -L- 136+00.00 SEE SHEET 8

DUKE POWER CO 4147 - 921

DUKE POWER CO 4147 - 915

CYNTHIA SEWELL GARDNER DB 2165 PG 534

2217 EAST JOHN ST LLC DB 19636 PG 619

HAWTHORNE'S HOLDING GROUP LLC DB 31916 PG 441

TROTTER PROPERTIES LLC DB 19840 PG 566

MARCELLA MCINTYRE WITHROW DB 36014 PG 303 LOT 1

MARCELLA MCINTYRE WITHROW DB 36014 PG 422 MB 14 PG 217 LOT 2

MARCELLA MCINTYRE WITHROW DB 36014 PG 422 MB 14 PG 217 LOT 3

MARCELLA MCINTYRE WITHROW DB 36014 PG 297

MARCELLA MCINTYRE WITHROW DB 36014 PG 294

SR 1009 E JOHN ST 24' BST

EXISTING R/W

-L- PT Sta.126+53.86

-L- PC Sta.131+01.26

-Y25- PI Sta.24+75.58

-Y24- PC Sta.10+95.01

-Y25- PI Sta.25+39.54

-Y25- PC Sta. 28+42.27

S 58°56'29" E 398.03'

S 58°56'13" E 39.60'

S 58°56'13" E 28.20'

N 85°03'47" E 233.11'

S 57°28'47" W 236.29'

S 57° 06' 27" W

S 35° 52' 54" E

S 42° 16' 02" W

N 35°35'07" E

-Y25-
PI Sta 30+68.62
Δ = 21° 43' 01.6" (RT)
D = 4° 51' 20.1"
L = 447.26'
T = 226.35'
R = 1,180.00'

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 FROM 03/30/2026 TO 05/13/2026 .

XY-LINE-GNSS-ENGLISH-NV5

6/2/99

REVISIONS

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by:
Jacob Buczynski
-5390BB57401340T
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW08

Location and Surveys

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1333

NC GRID NAD 83 NA 2011

-Y26-

PI Sta 11+73.09
△ = 15° 17' 46.0" (LT)
D = 12° 33' 27.3"
L = 121.81'
T = 61.27'
R = 456.26'

PI Sta 12+91.24
△ = 2° 39' 20.6" (LT)
D = 2° 41' 38.0"
L = 98.58'
T = 49.30'
R = 2,126.88'

-Y27-

PI Sta 11+31.33
△ = 9° 01' 19.7" (LT)
D = 4° 26' 28.1"
L = 203.15'
T = 101.79'
R = 1,290.12'

-Y28-

PI Sta 11+74.58
△ = 2° 24' 41.2" (RT)
D = 9° 27' 00.9"
L = 25.52'
T = 12.76'
R = 606.29'

MATCHLINE -L- 136+00.00 SEE SHEET 7

MATCHLINE -L- 150+00.00 SEE SHEET 9

-L- PT Sta.137+01.65

-Y26- PC Sta.11+11.82

-Y26- PT Sta.12+33.63

-Y26- PC Sta.12+41.94

-Y26- PT Sta.13+40.53

-Y27- PC Sta.10+29.54

-Y27- PT Sta.12+32.69

-Y27- POT Sta.13+42.69

-Y24- PC Sta.11+26.36

-Y24- PT Sta.12+16.03

-Y24- PT Sta.12+21.46

-Y24- POT Sta.13+80.57

-Y28- PC Sta.11+87.34

-Y28- PT Sta.11+87.34

-Y28- PT Sta.12+19.47

2309 EAST JOHN ST LLC
DB 19543 PG 628

2309 EAST JOHN ST LLC
DB 19543 PG 628
TRACT 2

2309 EAST JOHN ST LLC
DB 19543 PG 628
TRACT 1

BERBICE ENTERPRISE
DB 27406 PG 288
TRACT 1

BERBICE ENTERPRISE LLC
DB 27406 PG 288
TRACT 2

2425 EAST JOHN ST LLC
DB 19185 PG 280
PARCEL 1

2425 EAST JOHN ST LLC
DB 19185 PG 280
PARCEL 2

ROKTAL PROPERTY DEVELOPMENT LLC
DB 28706 PG 193

BELTWAY INDUSTRIAL PARK LLC
DB 8402 PG 645

JERRY MAC PRESSLEY & LYNDA PRESSLEY
DB N/F PG N/F

JEFFREY R. CARROLL AND WIFE TERESA A. CARROLL
DB 367 PG 326

AJC LLC
DB 5472 PG 276

F & B LLC
DB 5398 PG 407

JOSEPH C MARTIN
DB 17493 PG 938
MB 14 PG 217
LOT 74

SHIRLEY HAUNG
DB 34441 PG 415
MB 14 PG 217
LOT 75

HAROLD JOSEPH TENNANT
DB 19822 PG 726
MB 14 PG 217
LOT 73

AMY C MCNABB
DB 26721 PG 890
MB 14 PG 217
LOT 82

RICKY LEE KLUTZ AND WIFE RAYMOUTH JEAN KLUTZ
DB 6139 PG 151
MB 14 PG 217
LOT 72

RM MATTHEWS LLC
DB 18103 PG 509
MB 14 PG 217
LOT 77

RM MATTHEWS LLC
DB 20588 PG 809
MB 14 PG 217
LOT 76

RM MATTHEWS LLC
DB 32300 PG 553
MB 14 PG 217
LOT 81

RM MATTHEWS LLC
DB 18103 PG 512
MB 14 PG 217
LOT 78

JEFFREY CLEGG PRESSLEY & EDWARD EARL SIGGS
DB 35962 PG 159
MB 14 PG 217
LOT 79

TNW PROPERTIES INC
DB 18626 PG 264
MB 14 PG 217
LOT 80

EAST JOHN SYSTEMS, L.L.C.
DB 29672 PG 501
MB 14 PG 217
LOT 154

JEFFREY C PRESSLEY
DB 4750 PG 90
MB 14 PG 217
LOT 153

EAST JOHN SYSTEMS, L.L.C.
DB 29672 PG 501
MB 14 PG 217

JEFFREY C PRESSLEY
DB 4750 PG 90
MB 14 PG 217

CAROLINA WATER SERVICE INC OF NC
DB 17493 PG 938
MB 14 PG 217
LOT 3

VICTORIA T MCPHATTER
DIANNE T GALLOWAY
PHYLLIS T BRYOM
ALICE T NICHOLS
DB 37361 PG 864
MB 14 PG 217

CRYSTAL BC PROPERTIES, LLC
DB 8432 PG 15

EASTWOOD FOREST BAPTIST CHURCH
DB N/F PG N/F

WELDON D. POWELL
DB 914 PG 033

WELDON D. POWELL
DB 935 PG 099

SR 3556 HARWOOD PL BST

SR 1009 E JOHN ST FYI BST (BEGINS)

SR 1009 OLD MONROE RD 24' BST (BEGINS)

SR 1009 E JOHN ST (ENDS)

EXISTING R/W

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 FROM 03/30/2026 TO 05/13/2026.

-Y24-

PI Sta 11+05.92
△ = 3° 59' 55.6" (LT)
D = 18° 19' 42.5"
L = 21.82'
T = 10.91'
R = 312.61'

PI Sta 11+73.95
△ = 5° 21' 36.9" (LT)
D = 5° 38' 12.0"
L = 95.10'
T = 47.58'
R = 1,016.48'

SYSTIMEDESIGNED

6/2/99

REVISIONS

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 FROM 03/30/2026 TO 05/13/2026.

PROJECT REFERENCE NO.	SHEET NO.
U4714AC	RW09

Location and Surveys

NV5

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # P-1333

-Y1-
PI Sta 11+86.81
△ = 46° 39' 31.2" (RT)
D = 15° 26' 37.0"
L = 302.12'
T = 160.00'
R = 371.00'
e = 0.03
RO = 75'

-Y1A-
PI Sta 11+00.17
△ = 29° 23' 01.8" (RT)
D = 15° 26' 37.0"
L = 190.27'
T = 97.27'
R = 371.00'
e = 0.02
RO = 40'

MATCHLINE -Y2- 14+50.00
SEE SHEET 9A

NC GRID
NAD 83 NA 2011

MATCHLINE -L- 150+00.00
SEE SHEET 8

MATCHLINE -L- 164+00.00
SEE SHEET 10

MATCHLINE -Y2B- 13+00.00
SEE SHEET 9A

MATCHLINE -Y2A- 14+00.00
SEE SHEET 9A

SAFELITE ELECTRIC, INC
DB 169 PG 171

MARK S. SIMPSON AND WIFE
CAROL L. SIMPSON
DB 5837 PG 550

MARIA COFFS TASSOPOULOS AND HUSBAND, TIMOTHY TASSOPOULOS AS A ONE-HALF UNDIVIDED INTEREST AS TENANTS IN COMMON IN THE ENTIRETY AND PETER NICHOLAS COFFS AS A ONE-HALF UNDIVIDED INTEREST AS TENANT IN COMMON BY THE ENTIRETY OF THE OTHER INTEREST AS DB 792 PG 860

JOHNSON WALTON CURTIS & HESTA T
DB N/F PG N/F

KIMBERLY B. CROWE
DB 659 PG 042

STARNES CAROLE, ET AL
DB 20E PG 575

STALLINGS TOAD 209, LLC
DB 7054 PG 569

TIMOTHY & RANDALL DUCKWORTH
DB N/F PG N/F

EDWARD R. SQUIRES
DB 8007 PG 462

CAROLINA CONCRETE, INC.
DB 4540 PG 652
DB J PG 970

LR & FR, LLC
DB 3409 PG 898

30' PRIVATE DRIVEWAY EASEMENT DB 1466 PG 737

24' INGRESS/EGRESS EASEMENT DB 3409 PG 910

THE POINTE AT CAMPUS RIDGE, LLC
DB 7098 PG 810

WASH ONE, LLC
C/O THE MOSER GROUP
DB 3364 PG 087

RAINBOW TROUT PROPERTIES, LLC
C/O THOMAS B MCELWEE
DB 1579 PG 65
TRACT I

STEGALL AND COMPANY INC.
DB N/F PG N/F

GILBERTO HERNANDEZ AND WIFE
MARICELA CASTILLO MORAN
DB 5353 PG 523

JANET GUION GRAHAM
DB 4979 PG 6769

GUION FAMILY LP
DB N/F PG N/F

-Y1- POT Sta.10+00.00
-Y1- PC Sta.10+26.81
-Y1- PT Sta.13+28.93
-Y1A- PT Sta.12+01.94
-Y1A- PC Sta.10+11.67
-L- PC Sta.155+81.28
-Y2- POT Sta.10+00.00
-Y2A- PC Sta. 10+52.91
-Y2A- PT Sta.12+38.13
-Y29- PC Sta.10+69.05
-Y29- PT Sta.11+63.91
-Y29- POT Sta.13+89.29

S 10°19'35" W
S 41°28'06" W
N 67° 43' 37" E
S 67° 43' 37" W
S 53°47'37" E
S 25°20'09" E
N 67°03'18" E
N 65°37'10" W
N 48°05'28" W
S 32°14'48" E
S 32°32'55" E
S 32°33'57" E
S 32°19'28" E
S 75°47'53" E
S 81°01'53" E
S 06°09'57" W
S 15°22'28" E
N 32°22'11" W
S 54°58'27" W
S 32°42'27" E
N 29°02'16" W
N 40°33'00" E
S 45°42'36" W
N 88°07'55" E
S 88°48'52" W
N 27°43'50" W
N 58°48'05" E

I, Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026., and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-5754 JACOB BUCZYNSKI

-Y29-
PI Sta 11+26.49
△ = 2° 55' 26.5" (LT)
D = 3° 54' 20.3"
L = 74.87'
T = 37.44'
R = 1,467.00'

-Y2A-
PI Sta 11+57.02
△ = 61° 30' 04.4" (LT)
D = 33° 12' 11.2"
L = 185.23'
T = 104.12'
R = 175.00'
e = 0.04
RO = 96'

SYSTEM USE ONLY

6/2/99

REVISIONS

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski

Professional Land Surveyor L-5754

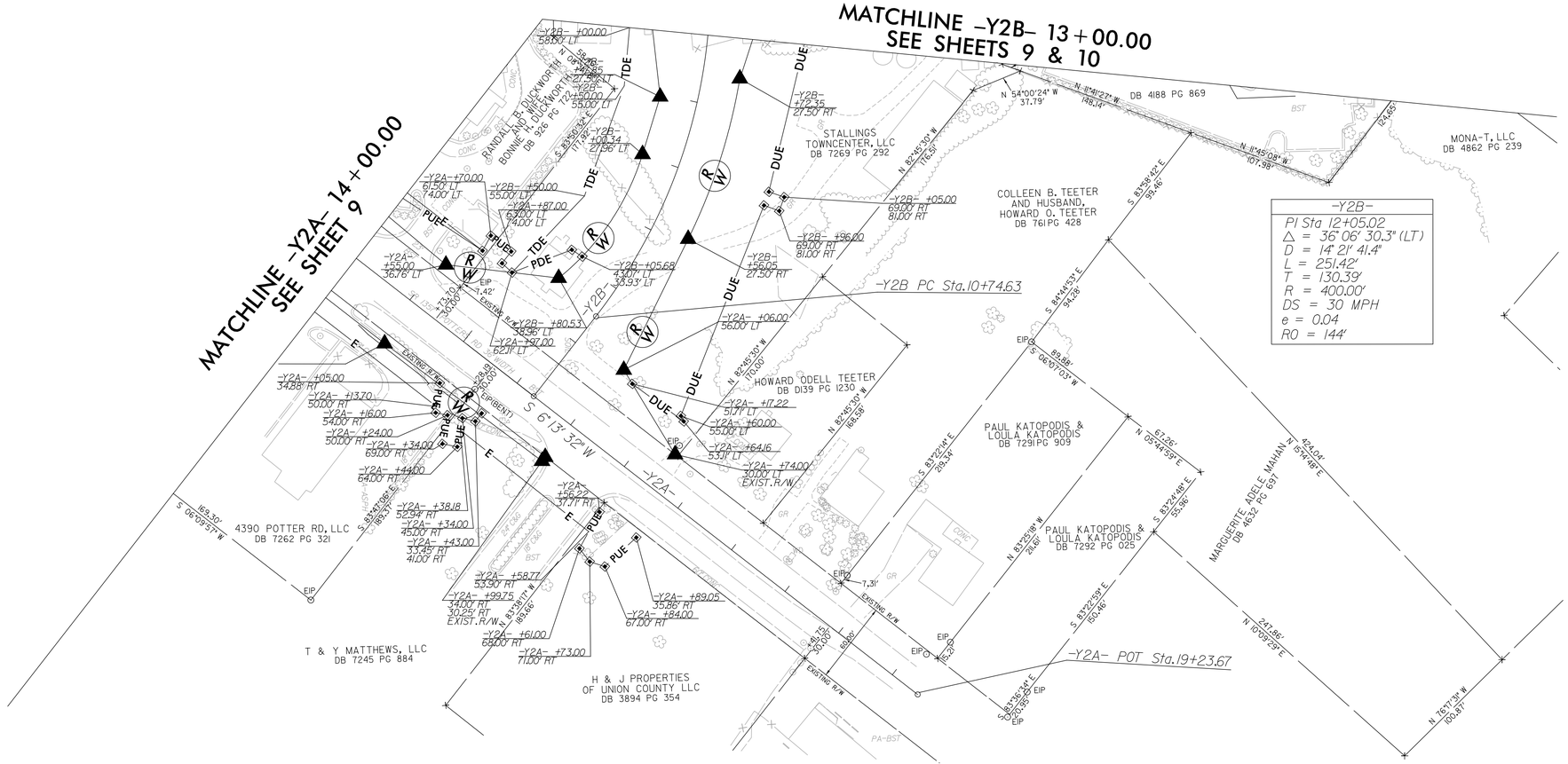
NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW09A

Location and Surveys

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # P-1333

NC GRID NAD 83 NA 2011



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 FROM 03/30/2026 TO 05/13/2026 .

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW09B

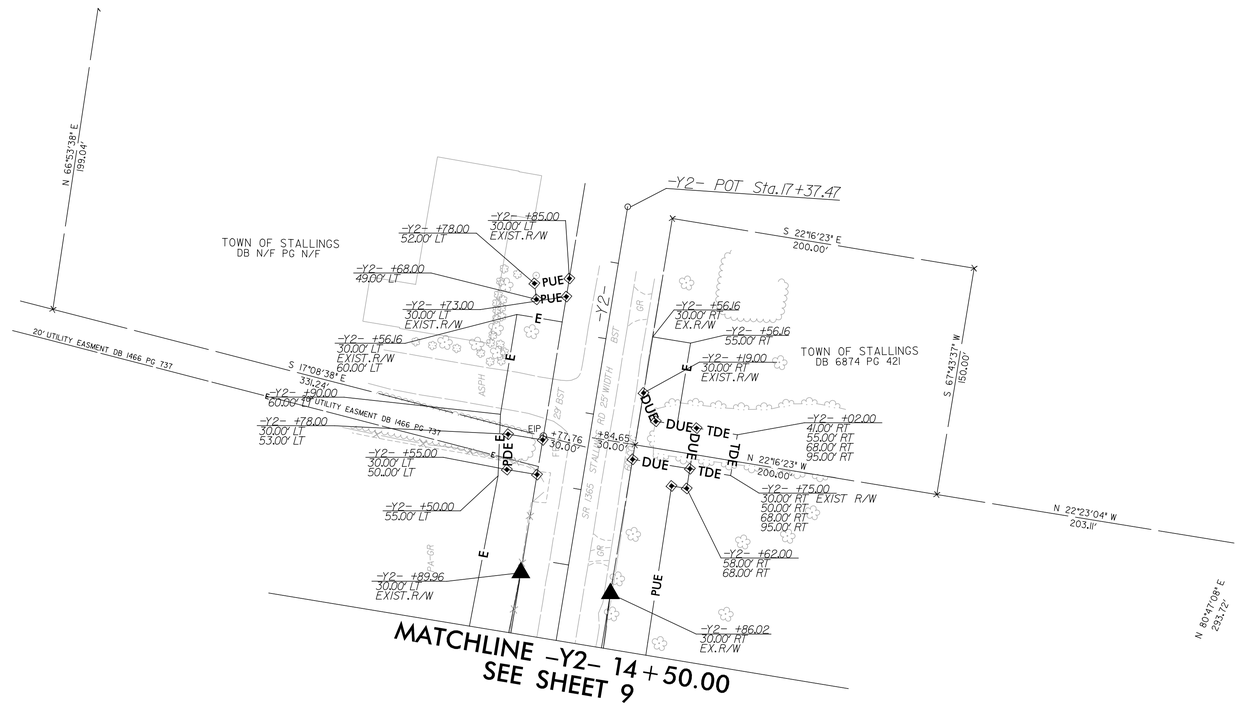
Location and Surveys

N|V|5

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.537.7300 www.NV5.com
NC License # F-1333

6/2/99

REVISIONS



I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by:
Jacob Buczynski
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

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 FROM 03/30/2026 TO 05/13/2026 .

SYSTEM ENGINEERING TIME

6/2/99

REVISIONS

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by:
Jacob Buczynski
339085574013407...
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

NC GRID NAD 83 NA 2011

-Y30-	
PI Sta 12+46.18	PI Sta 12+97.69
△ = 0° 12' 42.0" (RT)	△ = 15° 38' 05.7" (RT)
D = 0° 24' 17.3"	D = 3° 01' 05.3"
L = 52.29'	L = 50.41'
T = 26.15'	T = 25.36'
R = 14,154.20'	R = 1847.72'

-Y3-		
PI Sta 11+54.33	PI Sta 12+22.36	PI Sta 15+36.44
△ = 75° 22' 59.7" (RT)	△ = 4° 29' 30.8" (RT)	△ = 21° 54' 44.0" (LT)
D = 57° 17' 44.8"	D = 16° 22' 12.8"	D = 7° 32' 20.1"
L = 131.57'	L = 27.44'	L = 290.65'
T = 77.27'	T = 13.73'	T = 147.12'
R = 100.00'	R = 350.00'	R = 760.00'
DS = 20 MPH		
e = 0.04		
R0 = 60'		

-Y31-	
PI Sta 14+15.27	
△ = 64° 00' 28.8" (LT)	
D = 19° 51' 25.3"	
L = 322.34'	
T = 180.33'	
R = 288.54'	

-L-
PI Sta 171+30.88
△ = 13° 26' 32.1" (LT)
D = 1° 08' 45.3"
L = 1,173.06'
T = 589.23'
R = 5,000.00'
DS= 50 MPH
e = 0.03
R0 = 150'

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW10

Location and Surveys

NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1333

MATCHLINE -L- 164+00.00 SEE SHEET 9

MATCHLINE -L- 178+00.00 SEE SHEET 11

MATCHLINE -Y2B- 13+00.00 SEE SHEET 9A

HISTORIC PROPERTY

S 43°58'42" E 440.49'

FUNDERBURK FOUR, LLC
DB 5945 PG 334
TRACT I

CAROLYN M. FUNDERBURK
DB 792 PG 742

S 57°07'08" W 300.45' HISTORIC PROPERTY

DB 7054 PG 569

-Y30- T Sta.10+00.00

-Y30- PC Sta.12+20.04

-Y30- PCC Sta.12+72.33

-Y30- PT Sta.13+22.73

-L- PRC Sta.165+41.65

-L- PRC Sta.177+14.71

-Y3- PC Sta.10+77.07

-Y3- PCC Sta.12+08.64

-Y3- PT Sta.12+36.08

-Y3- PC Sta.13+89.32

-Y3- PC Sta.13+89.32

-Y3- PC Sta.13+89.32

-Y2B- PC Sta.12+05.02
△ = 36° 06' 30.3" (LT)
D = 14° 21' 41.4"
L = 251.42'
T = 130.39'
R = 400.00'
DS = 30 MPH
e = 0.04
R0 = 144'

SR 1009 OLD MONROE RD 36' BST

SR 1364 PLEASANT PLAINS RD 60' BST

SR 1459 LAKEWOOD DR 82' BST

EXISTING R/W

60' CONC.

10' BST

20' PSDE

20' LANDSCAPE EASEMENT

ALPHA OMEGA LAND DEVELOPMENT INC.
DB 4188 PG 869

COLLEEN B. TEETER AND HUSBAND, HOWARD O. TEETER
DB 761PG 428

MONA-T, LLC
DB 4862 PG 239

CAROLYN M. FUNDERBURK
DB 792 PG 742

GLORIA WILLIAMS SHERIN AND HUSBAND DAVID MICHAEL SHERIN
DB 5265 PG 804
TRACT 2

GLORIA WILLIAMS SHERIN AND HUSBAND DAVID MICHAEL SHERIN
DB 5265 PG 804

GAGIK GASPARYAN
DB 7377 PG 252

CONNIE H. THORNTON
DB 1591 PG 150

AARON D. KYLE AND SPOUSE, KYLE AND RAE KYLE
JUDITH RAE KYLE
DB 6411 PG 634

JUSTIN JACKSON AND WIFE, ASHLEY N. JACKSON
VICKY L. JACKSON
DB 4166 PG 082

AIDA CAPELLA
DB 4555 PG 162

JUSTIN TAYLOR WHISNANT AND ALYSSA WHISNANT
DB 7889 PG 580

DENNIS W. SCHILL AND WIFE, GRACE V. SCHILL
DB 6674 PG 0002

PETER V. PASQUA
DB 7161PG 685

APRIL L. RUST
DB 4467 PG 535

DMITRIJS SELPACKIS AND WIFE MARIYA SELPACKIS
DB 6688 PG 319

STUART J. RAMIREZ AND WIFE ROBIN F. RAMIREZ
DB 1303 PG 109

YAMASA CO., LTD
DB 7517 PG 228

CLAUDIA SUE KOZLOWSKI
DB 7900 PG 428

SYLVIAN F SHECKLER
DB N/E PG N/F

JUSTIN M. COLE AND WIFE, KELLY A. COLE
DB 8448 PG 822
PB 4 PG 189
LOT 1

JUSTIN M. COLE AND WIFE, KELLY A. COLE
DB 8448 PG 822
PB 4 PG 189
LOT 2

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 FROM 03/30/2026 TO 05/13/2026 .

SYSTEM USER: SHELLY

6/2/99

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW11

Location and Surveys

NV5
NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1333

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026 , and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski
93908B574013407...
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

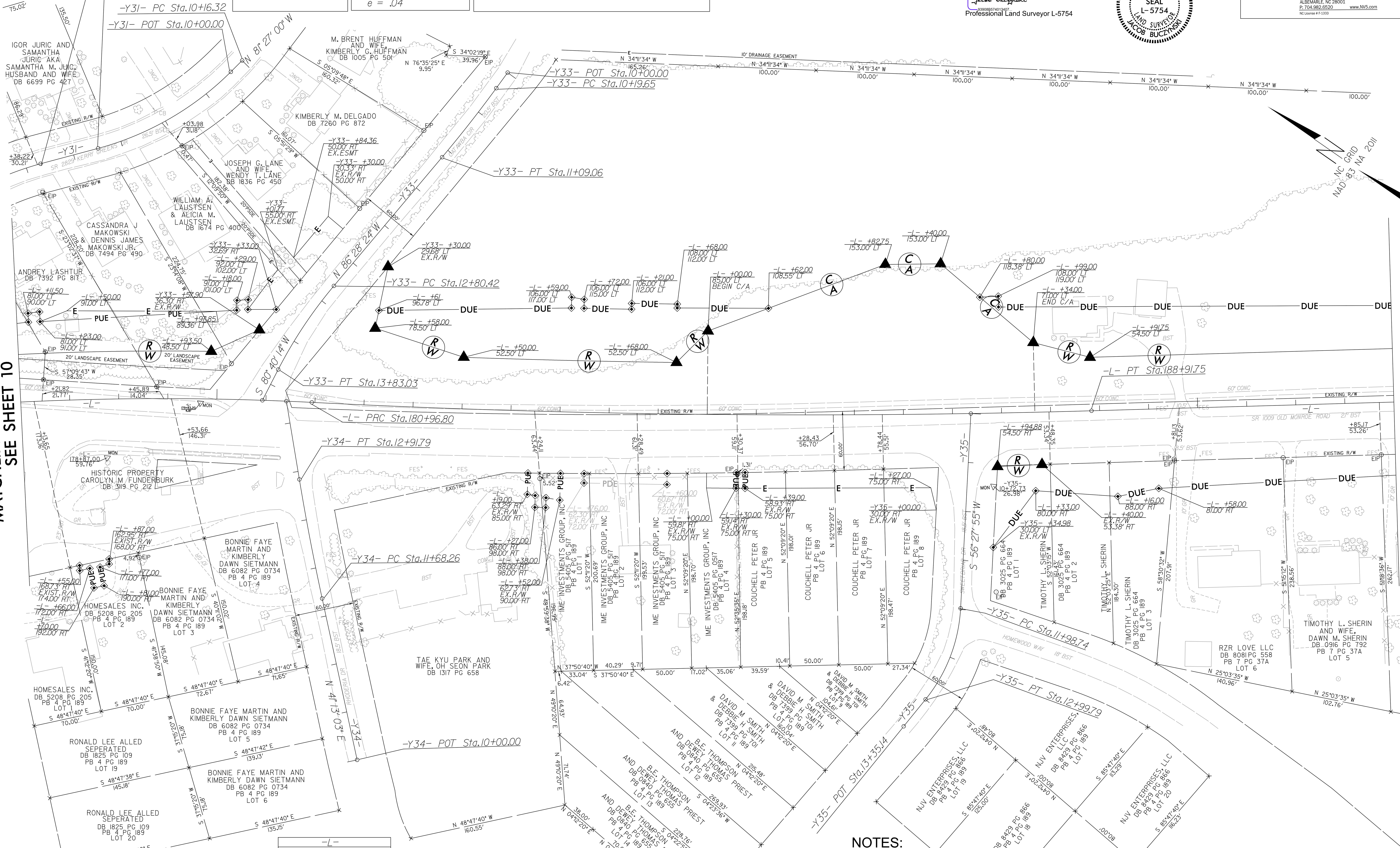
-Y31-
PI Sta 10+97.13
△ = 29° 52′ 27.4″ (RT)
D = 18° 54′ 52.1″
L = 157.94′
T = 80.81′
R = 302.92′

-Y31-
PI Sta 10+64.37
△ = 3° 55′ 59.1″ (RT)
D = 4° 23′ 54.9″
L = 89.42′
T = 44.73′
R = 1,302.60′

-L-
PI Sta 179+06.01
△ = 7° 17′ 50.8″ (RT)
D = 1° 54′ 35.5″
L = 382.09′
T = 191.31′
R = 3,000.00′
DS = 50 MPH
e = .04

-Y34-
PI Sta 11+54.33
△ = 75° 22′ 59.7″ (RT)
D = 60° 00′ 00.0″
L = 125.64′
T = 77.27′
R = 100.00′

PI Sta 12+30.04
△ = 2° 47′ 34.9″ (RT)
D = 2° 15′ 39.9″
L = 123.53′
T = 61.78′
R = 2,533.99′



-Y33-
PI Sta 13+31.94
△ = 12° 51′ 21.3″ (LT)
D = 12° 31′ 44.5″
L = 102.61′
T = 51.52′
R = 457.30′

-L-
PI Sta 184+94.48
△ = 4° 33′ 17.0″ (LT)
D = 0° 34′ 22.6″
L = 794.95′
T = 397.68′
R = 10,000.00′
DS = 50 MPH
e = NC

-Y35-
PI Sta 12+51.00
△ = 36° 03′ 31.9″ (RT)
D = 35° 41′ 03.0″
L = 101.05′
T = 52.26′
R = 160.56′

NOTES:

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3. RIGHT OF WAY MONUMENTATION ESTABLISHED FROM 03/30/2026 TO 05/13/2026 .

$$$$$$SYSTIME$$$$$
$$$$$$$$$DGN$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/2/99

REVISIONS

I , Jacob Buczynski, PLS, 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 03/30/2026 to 05/13/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This day 5/21/2026.

Signed by: Jacob Buczynski

Jacob Buczynski
Professional Land Surveyor L-5754

NORTH CAROLINA PROFESSIONAL SEAL L-5754 LAND SURVEYOR JACOB BUCZYNSKI

PROJECT REFERENCE NO.	SHEET NO.
U-4714AC	RW12

Location and Surveys

NV5
NV5 ENGINEERS & CONSULTANTS, INC.
116 E NORTH ST.
ALBEMARLE, NC 28001
P: 704.982.6520 www.NV5.com
NC License # F-1333

NC GRID NAD 83 NA 2011

MATCHLINE -L- 192+00.00
SEE SHEET 11

-L- +79.00
94.00' LT
103.00' LT

-L- +91.00
104.00' LT

-L- +112.00
54.50' LT (U-4714B R/W)
82.00' LT

END U-4714AC -L- +50.61
BEGIN U-4714B
54.50' LT

-L- +90.97
53.27' RT
EXIST. R/W

-L- +90.98
69.39' RT

+85.57
53.26'

10' DRAINAGE EASEMENT

N 34°11'34" W 100.00'
N 34°11'34" W 100.00'
N 34°11'34" W 99.98'
S 34°11'34" E 165.00'
S 34°11'34" E 164.69'
N 43°46'19" W 111.73'
S 43°46'19" E 132.24'
N 43°46'19" W 124.53'

S 55°47'56" W 180.00'
N 32°52'02" E 209.52'
N 19°20'57" E 288.67'
N 72°43'38" E 164.69'
N 72°43'13" E 144.38'
N 50°35'37" E 140.41'
S 39°11'23" W 153.72'

N 45°34'18" E 9.86'
S 53°39'04" E 136.15'
S 55°36'45" E 76.46'
S 25°25'49" W 165.07'
50.00'
N 45°28'24" E 144.48'
S 46°58'45" E 143.73'
N 45°28'24" E 77.67'
S 44°31'36" E 144.21'
N 45°28'24" E 15.66'
S 38°19'47" E 145.28'
N 45°28'24" E 40.24'
S 44°16'13" E 192.30'
S 08°46'46" W 162.28'

S 38°12'43" E

STALLINGS POINTE, LLC
DB 7094 PG 100

MARK DAVID BROOME
DB 7235 PG 204

2017-IIH BORROWER L.P.
DB 7015 PG 435
PB F PG 844
(EXHIBIT A-12)

JACEK RUDZIEWICZ
DANKA RUDZIEWICZ
DB 3792 PG 326
PB F PG 844

DAVID L RAY
SUSAN A RAY
DB 1925 PG 671
PB F PG 844

CHRISTINE S GOODSON
DAVIS A GOODSON
DB 3187 PG 441
PB F PG 844

MORNINGSIDE MEADOWS
HOMEOWNERS ASSOCIATION, INC
DB 1414 PG 136
PB F PG 844
COS

KIMBERLY A ELSASSER
DB 3681 PG 307
PB F PG 844

KORRY L. HUMPHREY
DB 6018 PG 858
PB F PG 844

PHIFER BRENDA E
DB N/F PG N/F
PB A PG 50B
LOT 13

FREDERICK M. BUNICK
AND WIFE
PATRICIA G. GABRIEL-BURNICK
DB 1639 PG 0293
PB A PG 50B
LOT 14

DB 6975 PG 677
PB A PG 50B
LOT 15

ERIK K ROWLETT
AND WIFE
ISABEL RUEDA ABAD
DB 6005 PG 222

ROBERT M. SULLIVAN
AND WIFE
SHARON L. SULLIVAN
DB 1653 PG 327

MATTHEW SMITH
DB 7247 PG 709
PB F PG 844

BLUEBONNET LN
MORNINGSIDE MEADOW LN

EXISTING R/W
60' CONC
30' BST
OTCB
FES

S 38°12'43" E
60.00'
-L-

DAWN M. SHERIN
DB 4555 PG 131
PB 7 PG 37A
LOT 4

317 PROPERTIES, LLC
DB 5887 PG 181
PB 7 PG 37A
LOT 3

ALLEN POLE
DB 141 PG 344
PB 7 PG 37A
LOT 2

DANNY F DUNN
AND WIFE
JENNIFER J DUNN
DB 4142 PG 876
PB 7 PG 37A
LOT 1

JAMES HAMILTON
TURNER, JR
DB 3524 PG 722

ANTONIOS K. PANOU
DB 911 PG 697

ANTONIOS K. PANOU
DB 858 PG 500

BRUCE R. MARX
AND SPOUSE, LINDA L MARX
DB 5944 PG 570

DAMON S. BUTCHER
AND WIFE, TIFFANY M. BUTCHER
DB 1349 PG 699

WILLIAM F. DEMOSS
AND NANCY B. DEMOSS
DB 7131 PG 678

WILLIAM LARRY ALEXANDER
DB 7503 PG 411

LINA M. ALEXANDER
DB 1169 PG 823

HAZEL FOSTER
DB N/F PG N/F

MAXWELL
RICHARD
MCWATERS
DB 7436 PG 537

RICHARD P. BROOME
DB 365 PG 477

S 51°50'52" W 260.58'
S 51°44'44" W 236.08'
N 51°34'57" E 210.84'
S 51°50'07" W 185.95'
S 51°50'07" W 153.81'
S 51°50'07" W 127.44'
N 38°28'19" E 195.10'
S 32°30'51" W 177.38'
S 67°39'19" W 75.92'
S 67°39'19" W 66.62'
S 67°39'19" W 60.42'
S 67°39'19" W 85.52'
S 67°39'19" W 48.04'
S 87°02'19" W 33.29'
112.56'

S 51°04'10" E 7.68'
S 51°04'10" E 136.30'
S 51°04'10" E 118.93'
S 51°04'10" E 34.88'
S 51°04'10" E 76.96'
S 51°04'10" E 44.86'
S 51°04'10" E 68.55'
S 51°35'44" E 52.93'
S 52°19'03" E 54.31'
S 52°18'59" E 50.00'
52.00'
S 86°18'35" E 200.00'
S 04°10'32" W 336.26'
N 04°09'27" E 294.10'
N 04°10'28" E 274.60'
S 17°45'50" W 138.32'
S 89°41'57" W 252.48'
N 56°56'10" W 198.08'
N 56°56'10" W 198.56'
S 32°30'51" W 50.00'
N 32°53'15" E 164.90'
S 32°30'51" W 218.28'

*FES
EIP
DUE
CONC
GR
BST

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 FROM 03/30/2026 TO 05/13/2026.