

TIP PROJECT: U-5302

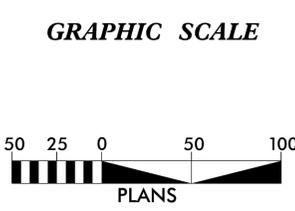
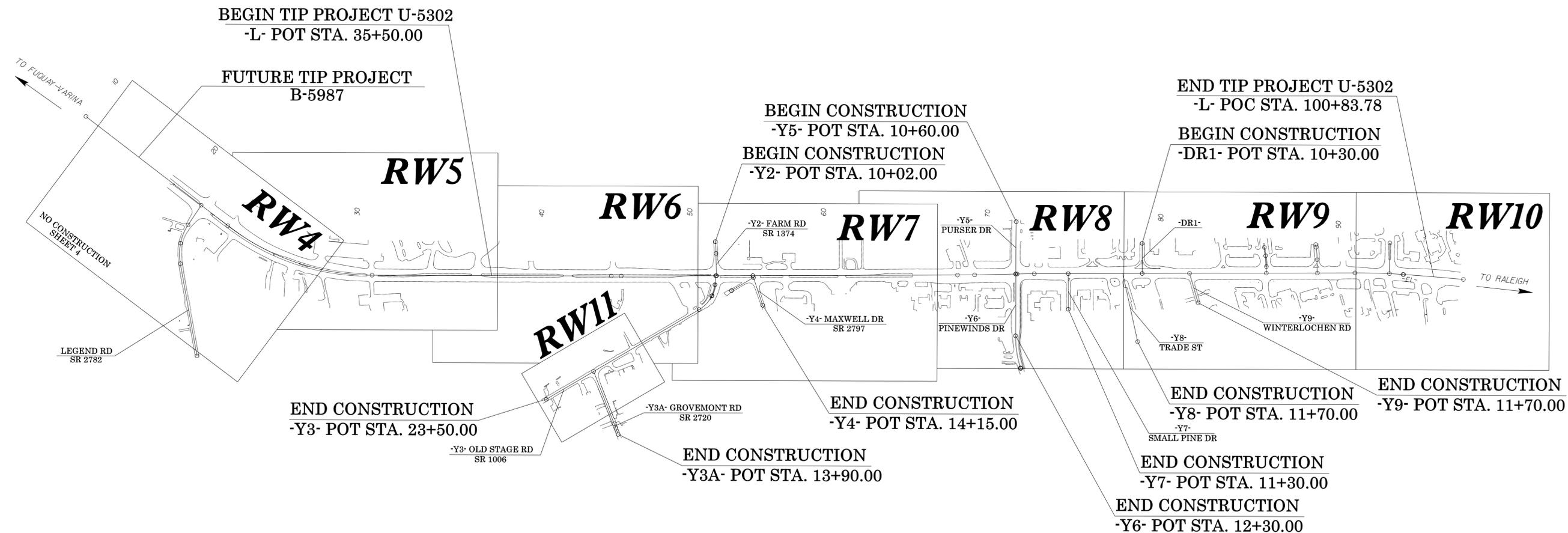
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5302	RW01	13

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

WAKE COUNTY

LOCATION: US 401 SOUTH OF SR 1006 (OLD STAGE ROAD) TO SOUTH
OF SR 2538 (MECHANICAL BOULEVARD)



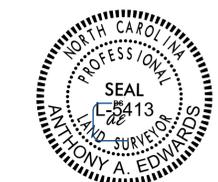
DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "CARL" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 719352.421(ft) EASTING: 2103842.606(ft) ELEVATION: 361.70(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99989622 (1/X=1.00010379) THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CARL" TO -L- STATION 10+00 IS S 29°13'00.3" W 9477.38(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88 (GEOID 12)

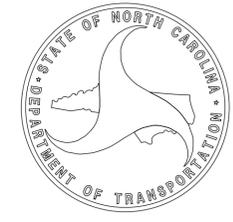
Prepared In the Office of:

LOCATION & SURVEYS
DIVISION 5
3301 JONES SAUSAGE RD.
GARNER, NC 27529
984-920-8940

PROFESSIONAL LAND SURVEYOR



Signature: *Anthony Edwards* Date: 01/07/2026



7/10/19

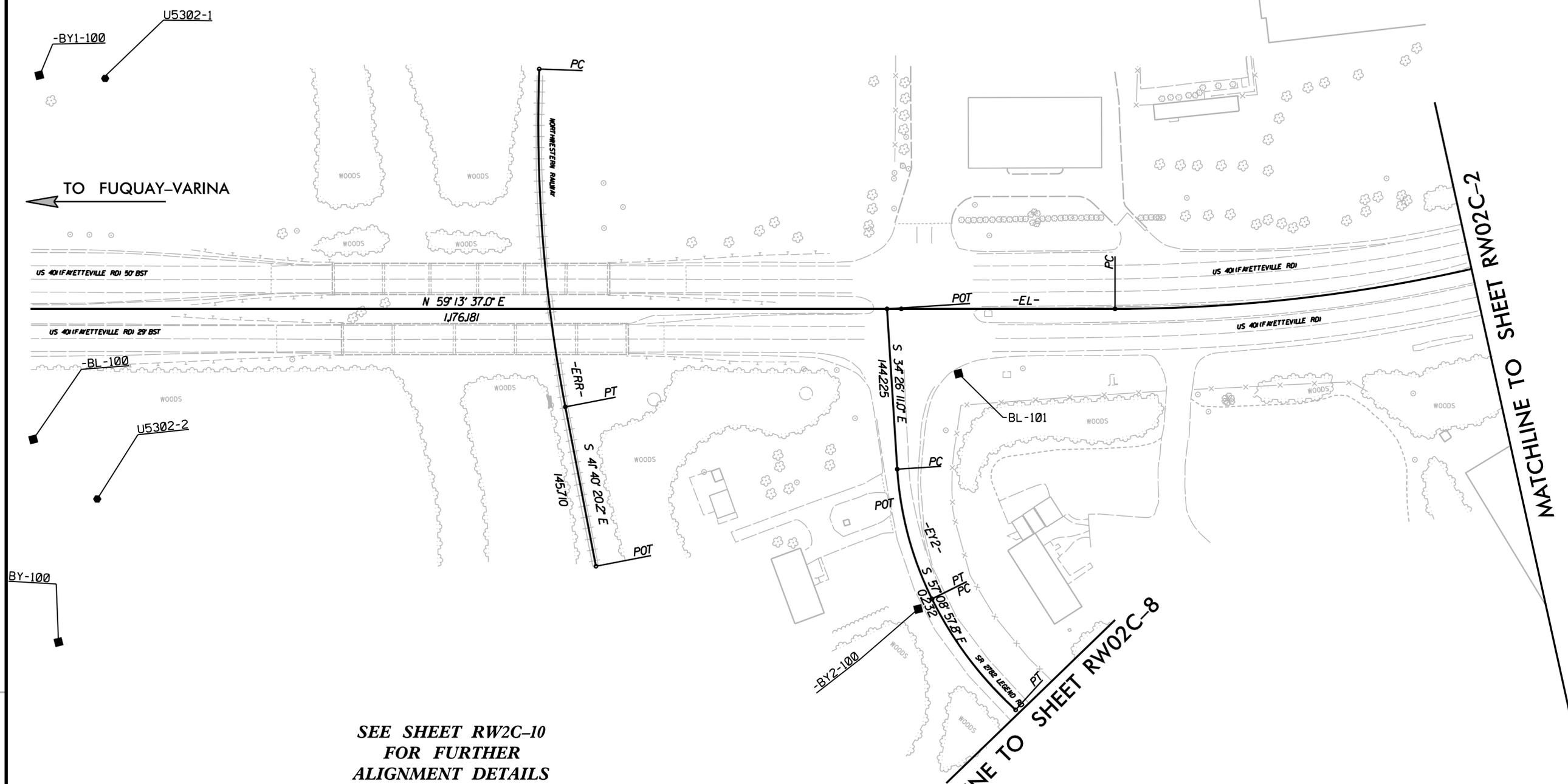
SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5302	SHEET NO. RW02C-1
Location and Surveys	
NCDOT	



REVISIONS



SEE SHEET RW2C-10
FOR FURTHER
ALIGNMENT DETAILS

NOTES:

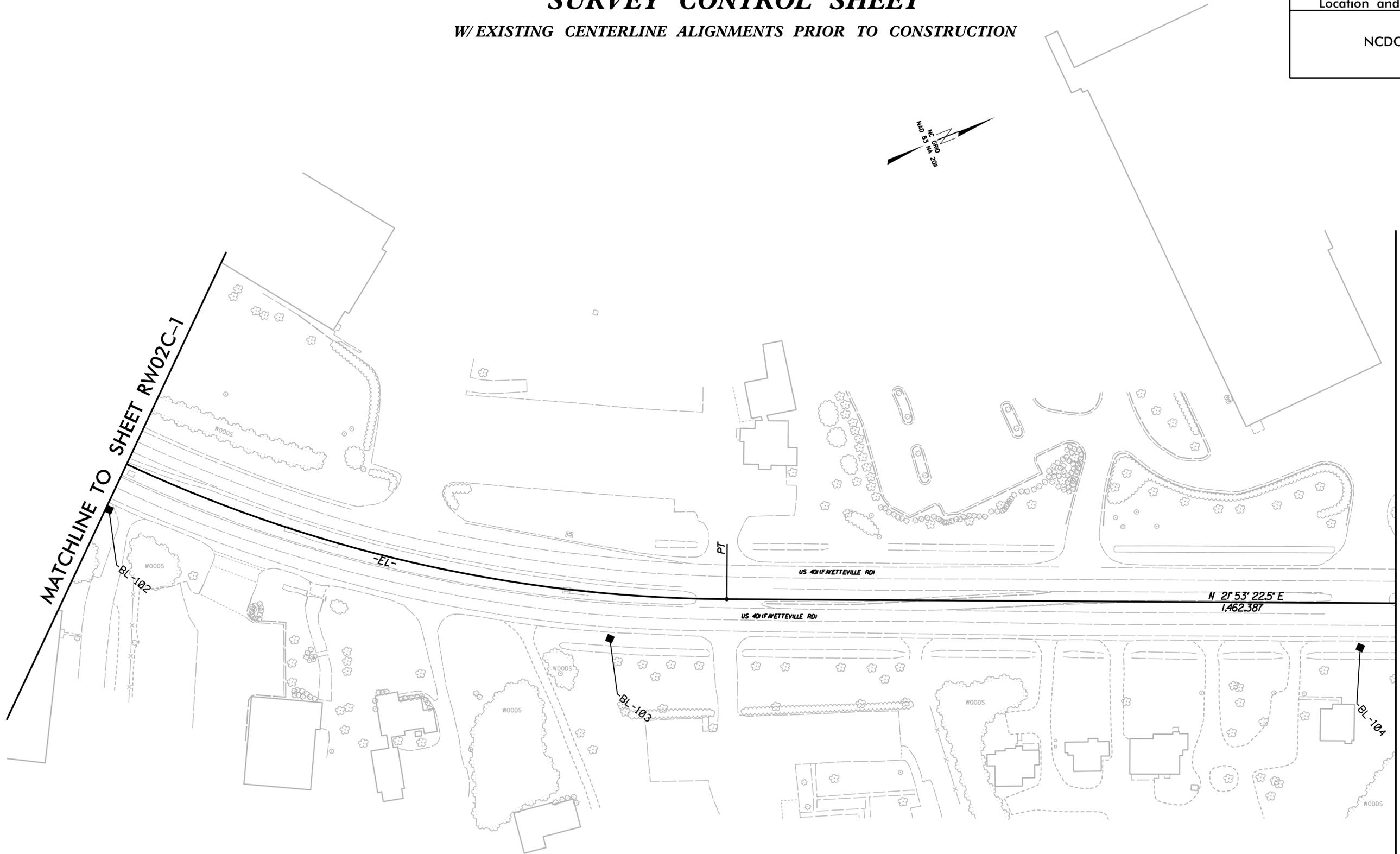
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

I5: JUL-2019 09:32
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 bttreslar AT LSD5-311580

PROJECT REFERENCE NO. U-5302	SHEET NO. RW02C-2
Location and Surveys	
NCDOT	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**SEE SHEET RW2C-10
FOR FURTHER
ALIGNMENT DETAILS**

NOTES:

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REVISIONS

7/10/19

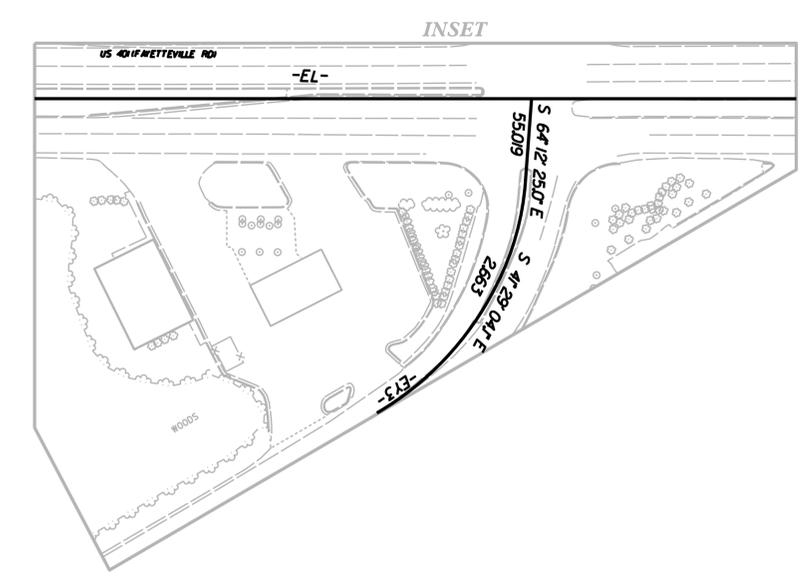
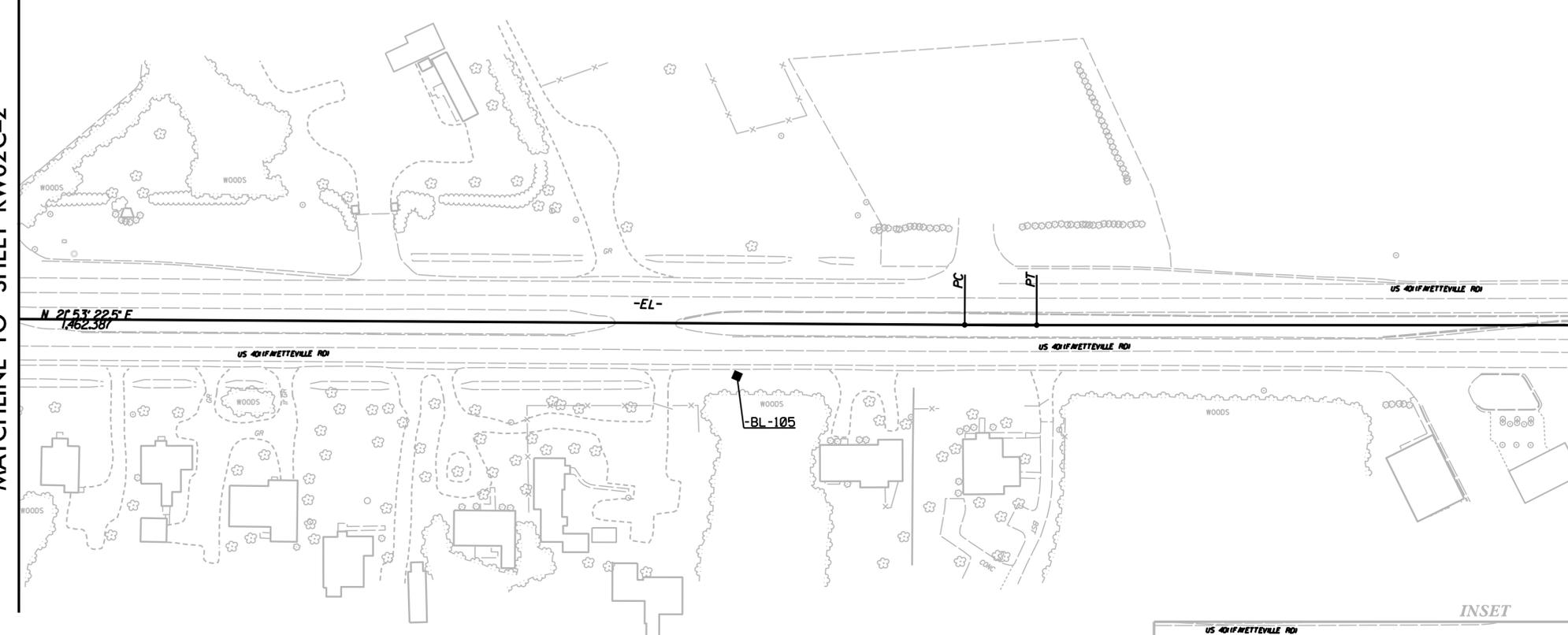
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btreslar AT LSD5-311580

PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW02C-3
Location and Surveys	
NCDOT	



MATCHLINE TO SHEET RW02C-2

MATCHLINE TO SHEET RW02C-4



**SEE SHEET RW2C-10
FOR FURTHER
ALIGNMENT DETAILS**

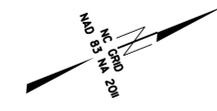
NOTES:

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REVISIONS

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 12 JUL 2019 14:31:00 \\pba\us302c\Series control sheet\Office\us302c-1s-rw02c-3.dgn
 7/10/19

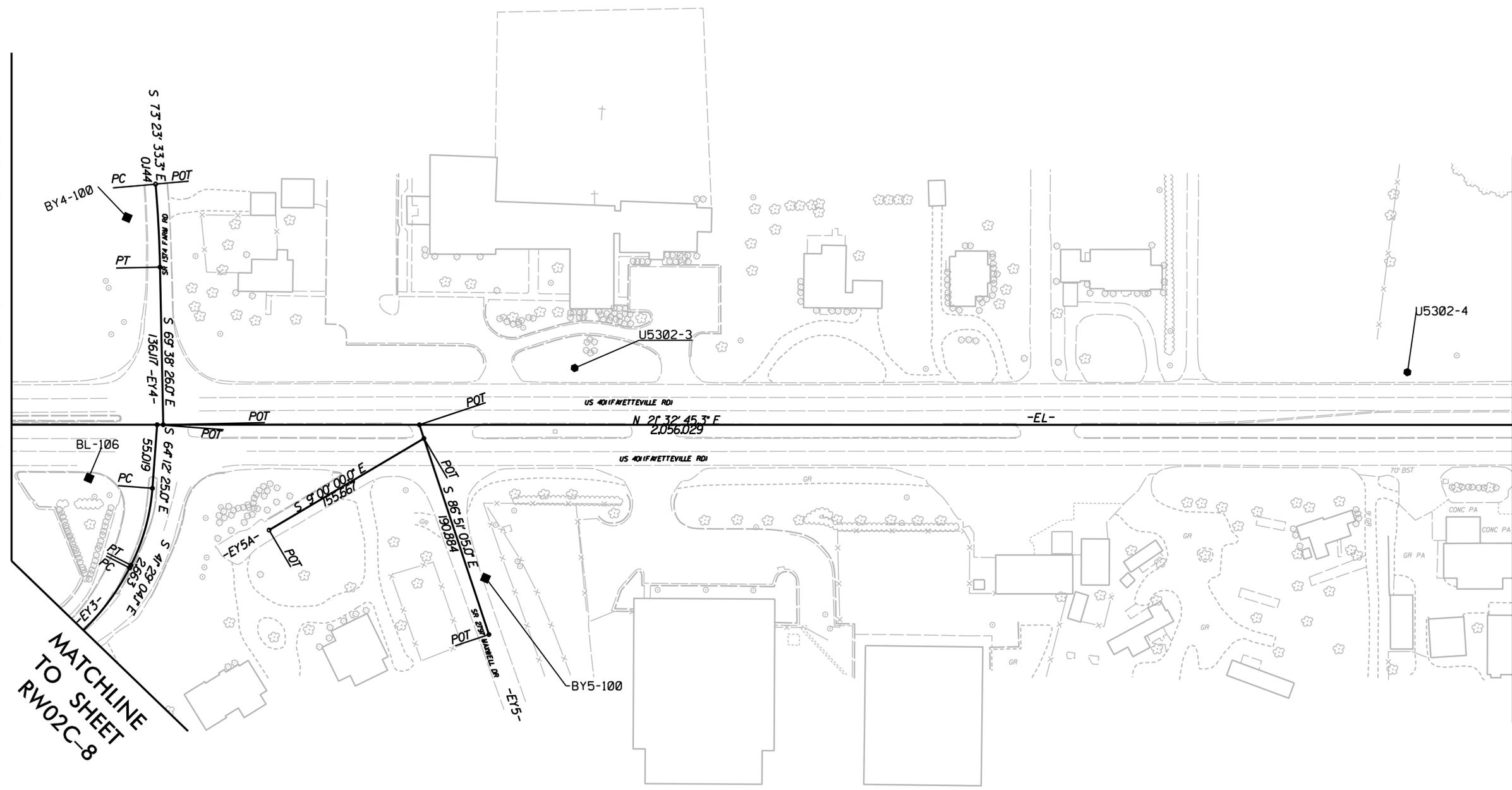
PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW02C-4
Location and Surveys	
NCDOT	



BM*2

MATCHLINE TO SHEET RW02C-3

MATCHLINE TO SHEET RW02C-5



NOTES:

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**SEE SHEET RW2C-10
FOR FURTHER
ALIGNMENT DETAILS**

REVISIONS

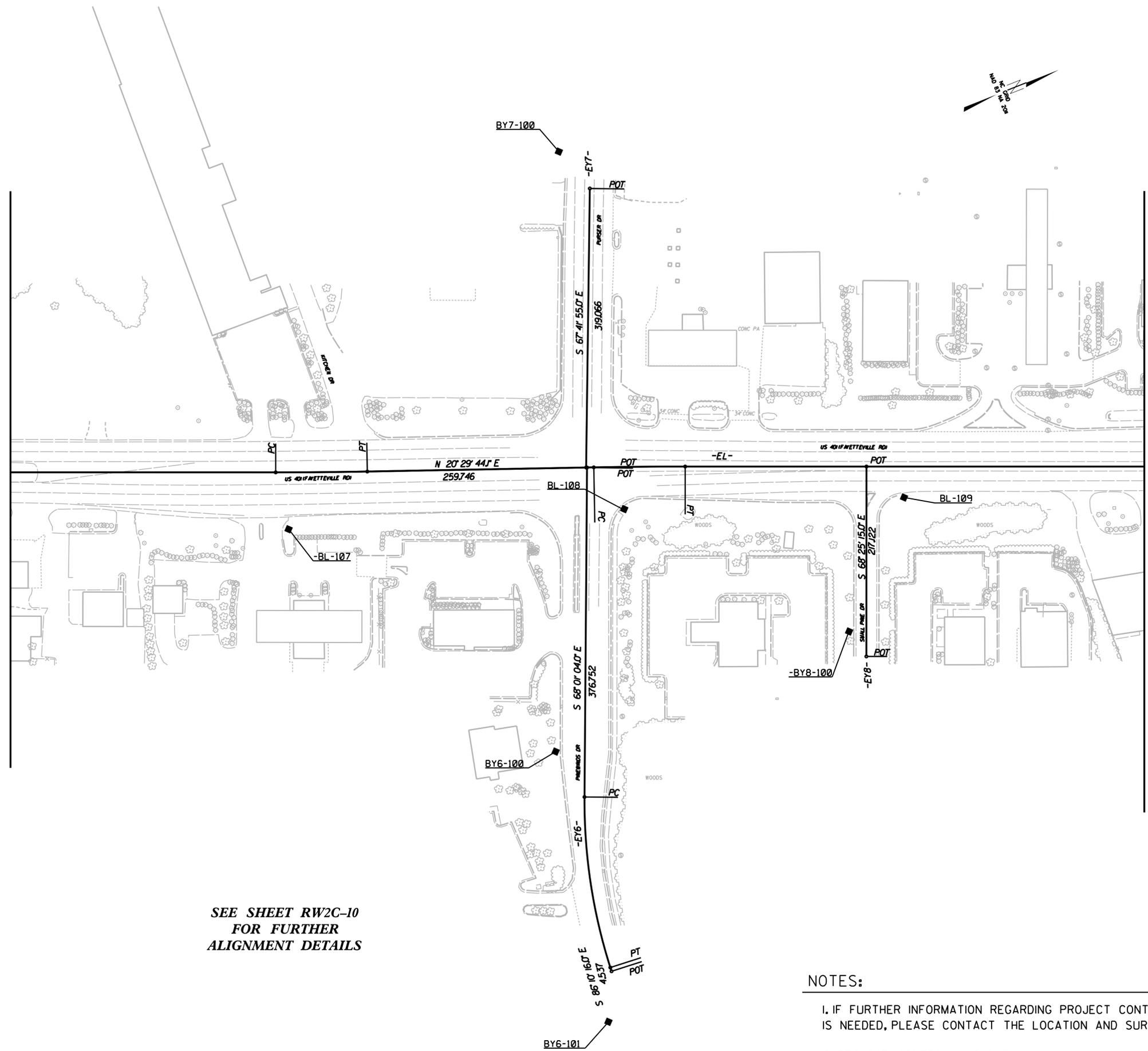
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PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW02C-5
Location and Surveys	
NCDOT	

15 JUL 2019 09:48 D:\Projects\U5302\C Series control sheet\Office\U5302-1s.rw02c-5.dgn
 7/11/19
 REVISIONS

MATCHLINE TO SHEET RW02C-4

MATCHLINE TO SHEET RW02C-6



SEE SHEET RW2C-10
FOR FURTHER
ALIGNMENT DETAILS

NOTES:

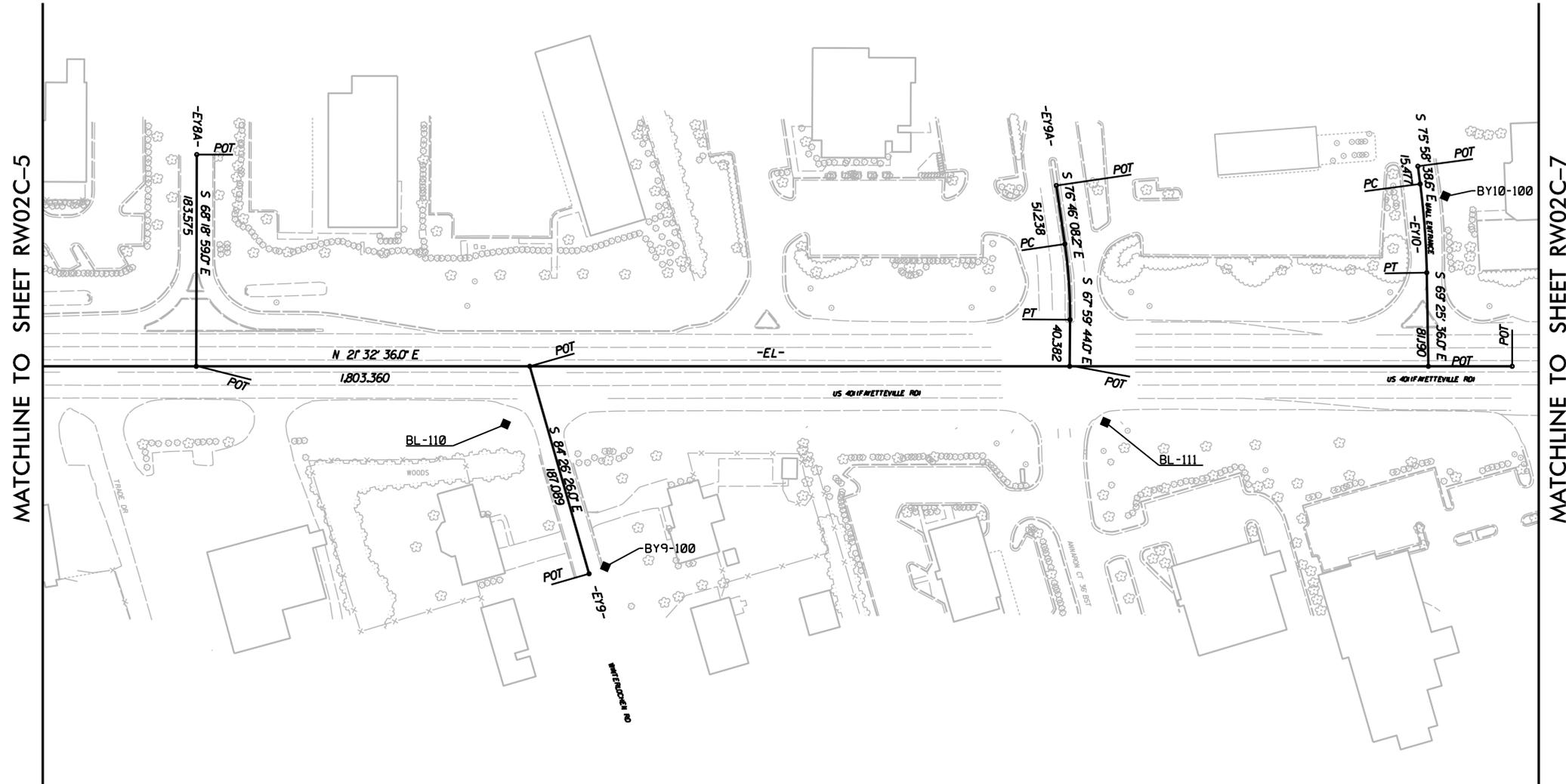
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
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PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW02C-6
Location and Surveys	
NCDOT	

7/11/19

REVISIONS

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**SEE SHEET RW2C-10
 FOR FURTHER
 ALIGNMENT DETAILS**

NOTES:

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PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW02C-7
Location and Surveys	
NCDOT	



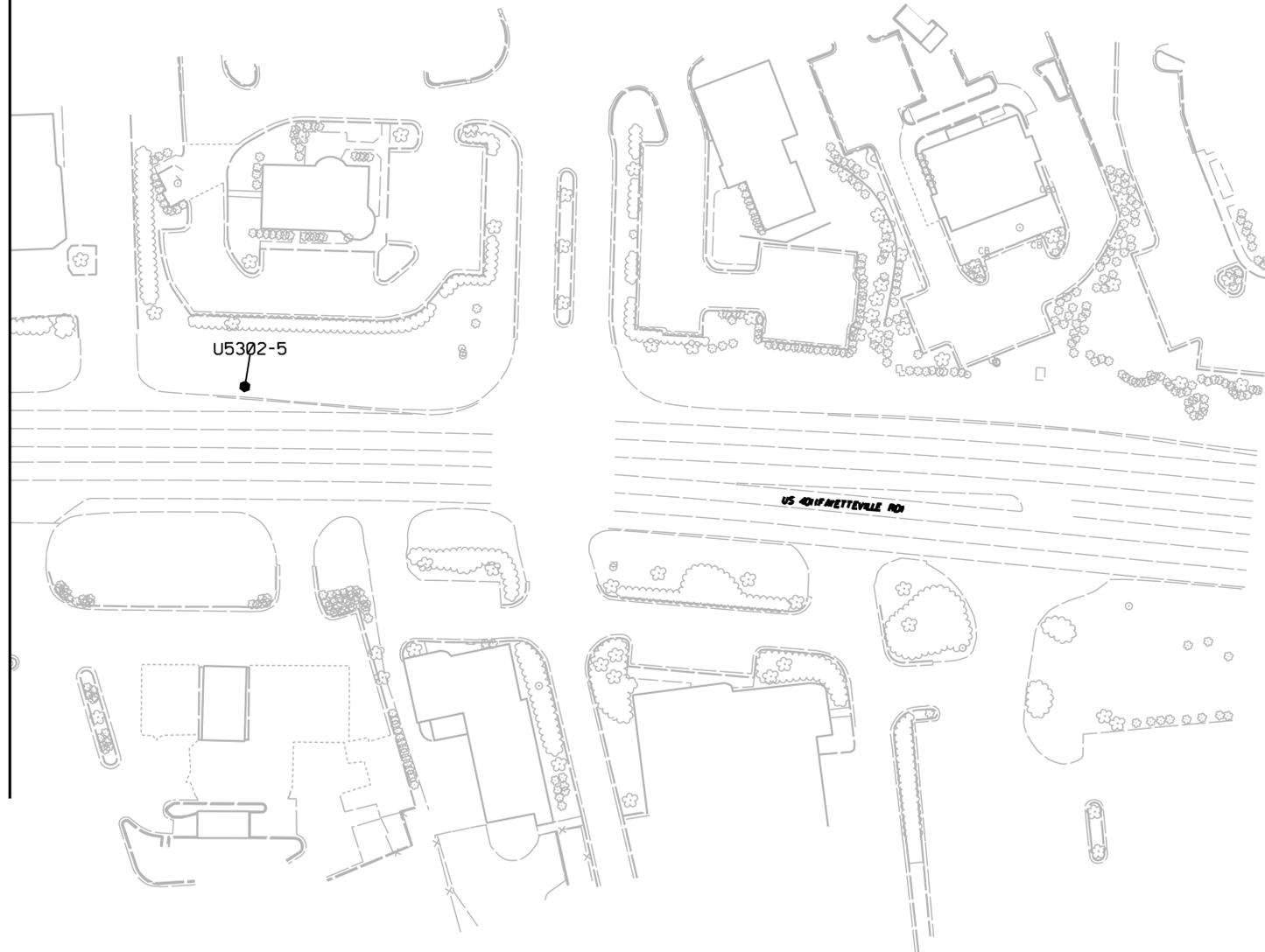
BM-3



U5302-7



NCGS "CARL"



**SEE SHEET RW2C-10
FOR FURTHER
ALIGNMENT DETAILS**

NOTES:

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REVISIONS

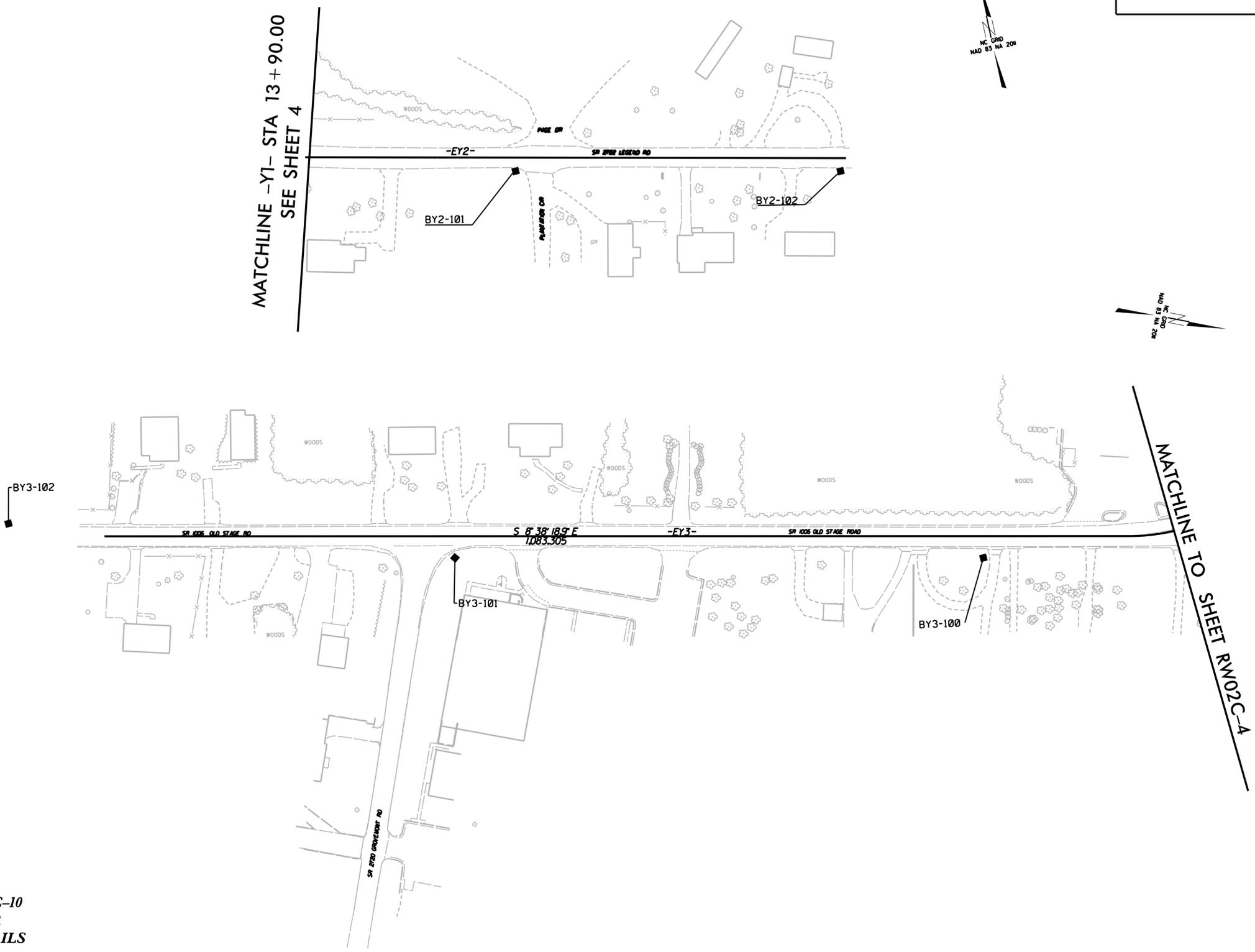
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U5302-7.dwg
U5302-7.dwg
U5302-7.dwg

7/11/19

PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW02C-8
Location and Surveys	
NCDOT	

MATCHLINE -Y1- STA 13+90.00
SEE SHEET 4



MATCHLINE TO SHEET RW02C-4

SEE SHEET RW2C-10
FOR FURTHER
ALIGNMENT DETAILS

NOTES:

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REVISIONS

7/11/19

12 JUL 2019 10:08 am U:\5302\AC Series control sheet\Office\5302_rdy_psh_11.dgn
User: psh_11

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5302	SHEET NO. RW02C-10
Location and Surveys	
NCDOT	

EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	711080.757	2099216.557							
LINE	711682.537	2100227.132	N 59°13'37.0" E	1176.18					
PC									
CURVE	712390.222	2100832.798	N 40°33'29.8" E	931.48	37°20'14.5"(L.T)	03°56'16.3"	946.17	491.60	1455.00
PT									
LINE			N 21°53'22.5" E	1462.39					
PC	713747.177	2101378.004							
CURVE	713802.900	2101400.199	N 21°43'03.9" E	59.98	00°20'37.2"(L.T)	00°34'22.6"	59.98	29.99	10000.00
PT									
LINE	715715.261	2102155.269	N 21°32'45.3" E	2056.03					
PC									
CURVE	715813.302	2102192.945	N 21°01'14.7" E	105.03	01°03'01.2"(L.T)	01°00'00.0"	105.03	52.52	5729.58
PT									
LINE	716056.606	2102283.891	N 20°29'44.1" E	259.75					
PC									
CURVE	716154.406	2102321.471	N 21°01'10.1" E	104.77	01°02'51.8"(RT)	01°00'00.0"	104.77	52.39	5729.58
PT									
LINE	717831.783	2102983.673	N 21°32'36.0" E	1803.36					
POT									

EY5				
POINT	N	E	BEARING	DIST
POT	714551.714	2101695.858		
LINE			S 86°51'05.0" E	190.88
POT	714541.230	2101886.455		

EY5A				
POINT	N	E	BEARING	DIST
POT	714551.029	2101708.310		
LINE			S 09°00'00.0" E	155.67
POT	714397.279	2101732.662		

ERR									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	711602.368	2099671.588							
CURVE	711353.740	2099846.987	S 35°12'06.2" E	304.27	12°56'28.1"(L.T)	04°14'38.9"	304.92	153.11	1350.00
PT									
LINE	711244.900	2099943.865	S 41°40'20.2" E	145.71					
POT									

EY6									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	716049.333	2102281.172							
LINE			S 68°01'04.0" E	376.75					
PC	715908.308	2102630.534							
CURVE	715864.265	2102822.748	S 77°05'40.0" E	197.20	18°09'12.0"(L.T)	09°10'02.4"	198.02	99.85	625.00
PT									
LINE			S 86°10'16.0" E	4.54					
POT	715863.962	2102827.275							

EY				
POINT	N	E	BEARING	DIST
POT	711266.030	2099136.060		
LINE			S 42°52'33.2" E	204.93
POT	711115.853	2099275.494		

EY7				
POINT	N	E	BEARING	DIST
POT	716169.437	2101985.607		
LINE			S 67°41'55.0" E	319.07
POT	716048.358	2102280.808		

EY8A				
POINT	N	E	BEARING	DIST
POT	716835.955	2102393.173		
LINE			S 68°18'59.0" E	183.58
POT	716768.128	2102563.759		

EY1				
POINT	N	E	BEARING	DIST
POT	711122.720	2099287.026		
LINE			S 35°31'46.9" E	157.80
POT	710994.297	2099378.730		

EY8				
POINT	N	E	BEARING	DIST
POT	716347.750	2102397.800		
LINE			S 68°25'15.0" E	217.12
POT	716267.896	2102599.704		

EY9				
POINT	N	E	BEARING	DIST
POT	717037.721	2102670.190		
LINE			S 84°26'26.0" E	187.09
POT	717019.596	2102856.398		

EY2									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	711577.505	2100050.751							
LINE			S 34°26'11.0" E	144.22					
PC	711458.555	2100132.309							
CURVE	711374.528	2100218.694	S 45°47'34.4" E	120.51	22°42'46.8"(L.T)	18°43'26.8"	121.30	61.46	306.00
PT									
LINE	711374.403	2100218.888	S 57°08'57.8" E	0.23					
PC									
CURVE	711327.357	2100334.461	S 67°51'01.8" E	124.78	21°24'08.1"(L.T)	17°03'08.3"	125.51	63.49	336.00
PT									
LINE	711213.932	2100894.547	S 78°33'05.9" E	571.46					
POT									

EY9A									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	717520.882	2102692.459							
LINE			S 76°46'08.2" E	51.24					
PC	717509.154	2102742.337							
CURVE	717489.245	2102805.031	S 72°22'56.1" E	65.78	08°46'24.2"(RT)	13°19'28.6"	65.84	32.99	430.00
PT									
LINE			S 67°59'44.0" E	40.38					
POT	717474.115	2102842.471							

EY3									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	714340.513	2101612.468							
LINE			S 64°12'25.0" E	55.02					
PC	714316.573	2101662.006							
CURVE	714274.931	2101716.958	S 52°50'44.5" E	68.95	22°43'20.9"(RT)	32°44'25.6"	69.40	35.16	175.00
PT									
LINE	714272.936	2101718.723	S 41°29'04.1" E	2.66					
PC									
CURVE	714170.493	2101766.627	S 25°03'41.5" E	113.09	32°50'45.2"(RT)	28°38'52.4"	114.65	58.95	200.00
PT									
LINE	713099.477	2101929.340	S 08°38'18.9" E	1083.31					
POT									

EY10									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	717819.258	2102792.260							
LINE			S 75°58'38.6" E	15.48					
PC	717815.508	2102807.275							
CURVE	717792.574	2102880.919	S 72°42'07.3" E	77.13	06°33'02.6"(RT)	08°29'17.7"	77.17	38.63	675.00
PT									
LINE			S 69°25'36.0" E	81.19					
POT	717764.043	2102956.930							

EY4									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	714415.554	2101418.662							
LINE			S 73°23'33.3" E	0.14					
PC	714415.512	2101418.801							
CURVE	714392.783	2101486.796	S 71°30'59.6" E	71.69	03°45'07.3"(RT)	05°13'57.0"	71.71	35.87	1095.00
PT									
LINE	714345.427	2101614.409	S 69°38'26.0" E	136.12					
POT									

NOTES:

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REVISIONS

7/10/19

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bktreslar AT L505-311580

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW02D-1
Location and Surveys	
PENNONI ASSOCIATES INC.	
5430 Wade Park Boulevard, Suite 106 Raleigh, NC 27607 T 919.929.1173 F-1267	

6/2/09

REVISIONS

4/2/2025, NCDOT \AGI703.US 401South\RW Staking\250331\U5302.rdj, tsh.dgn
USER:NAME

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TYPE	STATION	NORTH	EAST
POT	10+00.00	711080.7572	2099216.5567
PC	21+90.48	711689.8547	2100239.4211
PT	31+24.53	712388.5926	2100833.7341
PC	64+40.26	715472.7778	2102051.0425
PT	67+12.69	715725.9474	2102151.6454
PC	67+12.69	715725.9474	2102151.6454
PT	69+89.16	715982.8725	2102253.7522
PC	91+26.34	717970.7523	2103038.5359
PCC	94+37.18	718255.6074	2103162.7917
PT	97+98.32	718578.9624	2103323.5912

Y1

TYPE	STATION	NORTH	EAST
POT	10+00.00	711584.0937	2100061.8156
PC	10+98.40	711499.5472	2100112.1615
PT	14+15.28	711321.5304	2100363.2335
POT	19+57.38	711213.9319	2100894.5471

Y2

TYPE	STATION	NORTH	EAST
PC	10+00.00	714415.5525	2101418.6857
PT	10+42.24	714401.7573	2101458.5725
POT	12+00.13	714343.7903	2101605.4383

Y3

TYPE	STATION	NORTH	EAST
POT	10+00.00	714343.7903	2101605.4383
PC	10+16.16	714337.8561	2101620.4733
PT	12+66.75	714150.6638	2101769.6390
POT	23+56.75	713073.0294	2101933.3583

Y3A

TYPE	STATION	NORTH	EAST
POT	10+00.00	713431.3854	2101878.9152
PC	12+29.25	713431.0313	2102108.1679
PT	13+82.80	713429.6924	2102261.7114
POT	14+36.82	713428.8338	2102315.7243

Y4

TYPE	STATION	NORTH	EAST
POT	10+00.00	714552.1638	2101687.6820
POT	14+50.00	714527.4471	2102137.0026

Y4A

TYPE	STATION	NORTH	EAST
POT	10+00.00	714397.2790	2101732.6620
POT	11+55.67	714551.0290	2101708.3104

Y5

TYPE	STATION	NORTH	EAST
POT	10+00.00	716169.4369	2101985.6074
POT	13+17.95	716048.6001	2102279.7005

Y6

TYPE	STATION	NORTH	EAST
POT	10+00.00	716048.6001	2102279.7005
PC	14+10.09	715898.0132	2102661.1414
PCC	14+59.03	715882.8677	2102707.6491
PT	15+75.79	715864.2652	2102822.7482

Y7

TYPE	STATION	NORTH	EAST
POT	10+00.00	716347.6239	2102397.7504
POT	12+17.12	716267.8957	2102599.7043

Y8

TYPE	STATION	NORTH	EAST
POT	10+00.00	716678.5519	2102528.3955
POT	13+29.69	716657.6601	2102857.4250

Y9

TYPE	STATION	NORTH	EAST
POT	10+00.00	717037.7211	2102670.1898
POT	13+00.00	717008.6575	2102968.7787

Y10

TYPE	STATION	NORTH	EAST
POT	10+00.00	717469.7529	2102840.7492
PC	10+74.50	717442.3967	2102910.0431
PT	11+45.69	717425.9719	2102979.0631
POT	12+78.24	717413.8930	2103111.0654

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 INFORMATINO REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW03E-1
Location and Surveys	
PENNONI ASSOCIATES INC. 5430 Wade Park Boulevard, Suite 106 Raleigh, NC 27607 T 919.929.1173 F-1267	
PROJECT SURVEYOR	
	

ROW MARKER CONCRETE OR GRANITE-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	40+00.00	75.00	713175.3891	2101224.9082
L	40+39.47	120.00	713195.5859	2101281.2581
L	41+00.00	120.00	713251.8851	2101303.4790
L	42+50.00	75.00	713407.9313	2101316.6912
L	51+25.00	-75.00	714276.8989	2101498.4061
L	51+38.00	75.00	714233.9213	2101642.7042
L	53+10.00	-74.46	714448.7814	2101566.8291
L	55+30.00	85.00	714594.8763	2101795.9215
L	55+95.00	75.40	714658.8619	2101810.8549
L	55+95.00	85.00	714655.3372	2101819.7851
L	58+91.08	-74.75	714989.3895	2101779.8924
L	60+40.00	75.18	715072.8685	2101974.0223
L	61+01.27	-120.00	715201.5171	2101814.9688
L	61+50.00	-120.00	715246.8430	2101832.8586
L	61+50.00	140.00	715151.3888	2102074.7025
L	62+30.00	-74.92	715304.7052	2101904.1639
L	62+50.00	120.00	715251.7483	2102092.8123
L	63+44.88	75.03	715356.5118	2102085.8111
L	69+00.00	-76.46	715928.1492	2102149.8743
L	69+50.00	73.46	715919.4384	2102307.6705
L	69+70.00	-94.00	715999.5996	2102159.2926
L	69+95.00	84.00	715957.4620	2102334.0295
L	74+06.38	130.00	716323.2108	2102527.8763
L	74+34.00	98.00	716360.6526	2102508.2543
L	70+96.67	180.00	716016.7761	2102460.6561
L	71+14.82	140.00	716048.3491	2102430.1163
L	71+15.00	105.00	716138.4805	2102202.2976
L	71+50.00	101.00	716095.3912	2102406.7586
L	71+60.00	-80.00	716171.1566	2102242.0753
L	71+90.00	74.34	716142.3867	2102396.6488
L	72+15.00	-75.00	716220.4783	2102266.9223
L	74+80.00	75.00	716411.8848	2102503.7525
L	76+38.82	-75.00	716614.6802	2102422.5470
L	76+38.82	-80.00	716616.5256	2102417.9000
L	78+63.91	-75.00	716824.0588	2102505.2063
L	78+63.93	-80.00	716825.9087	2102500.5611
L	80+28.14	-75.00	716976.8092	2102565.5098
L	82+00.00	-110.00	717149.5186	2102596.0640
L	83+00.00	-120.00	717246.2046	2102623.4830
L	83+30.00	-75.00	717257.5846	2102676.3555

ROW MARKER CONCRETE OR GRANITE-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	10+00.00	45.00	714372.4279	2101405.8097
Y2	10+00.00	30.05	714386.7507	2101410.0795
Y2	10+00.00	-29.99	714444.2965	2101427.2347
Y2	10+00.00	-45.00	714458.6770	2101431.5218
Y2	10+42.24	45.00	714359.8997	2101442.0516
Y2	10+42.24	-45.00	714443.6149	2101475.0934
Y2	10+92.12	45.00	714341.5872	2101488.4484
Y2	10+95.00	-45.00	714424.2439	2101524.1720

ROW MARKER CONCRETE OR GRANITE-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y5	10+00.00	32.40	716139.5169	2101973.1865
Y5	10+00.00	40.00	716132.4382	2101970.4055
Y5	10+00.00	-40.00	716206.4355	2102000.8094
Y5	10+00.19	-27.62	716194.9082	2101996.2806
Y5	11+50.00	40.00	716075.4308	2102109.1504
Y5	11+50.00	-40.00	716149.4281	2102139.5543
Y5	11+90.00	55.00	716046.3543	2102140.4483

ROW MARKER CONCRETE OR GRANITE-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	11+49.87	40.56	714233.3635	2101692.6014
Y3	11+91.83	36.00	714205.7198	2101714.8885
Y3	12+02.80	-40.00	714228.0812	2101788.3413
Y3	12+66.75	36.00	714145.2566	2101734.0474
Y3	12+66.75	-40.00	714156.6719	2101809.1853
Y3	13+74.00	36.00	714039.2214	2101750.1568
Y3	13+74.00	40.00	714038.6205	2101746.2022
Y3	19+50.95	-40.00	713480.2323	2101911.9531
Y3	20+65.00	-55.00	713369.7287	2101943.9134
Y3	21+53.00	-40.00	713280.4740	2101942.3013
Y3	23+50.00	40.00	713073.6928	2101892.7985
Y3	23+50.00	27.98	713075.4979	2101904.6801
Y3	23+50.00	-27.02	713083.7590	2101959.0563
Y3	23+50.00	-40.00	713085.7089	2101971.8909

ROW MARKER CONCRETE OR GRANITE-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y6	11+00.00	50.00	715965.3726	2102354.3542
Y6	11+40.00	-55.00	716048.3491	2102430.1163
Y6	11+73.00	37.14	715950.5291	2102426.9771
Y6	11+80.00	-36.85	716016.7761	2102460.6561

ROW MARKER CONCRETE OR GRANITE-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	11+25.00	-31.17	714576.4187	2101814.2052
Y4	11+31.27	28.75	714516.2450	2101817.1699
Y4	12+76.75	26.77	714510.2381	2101962.5475
Y4	12+82.13	53.20	714483.5478	2101966.4688

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

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

Witness my original signature, registration number and seal this 2nd day of April, 2025.



 Professional Land Surveyor L-5550 PLS # Seal

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.

6/2/09
 REVISIONS
 4/2/2025 NCDOT VAG1703.US 401 South RW Staking 250331 U5302.rdj.tsh.dgn
 USER:NAME

PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW03E-2
Location and Surveys	
PENNONI ASSOCIATES INC. 5430 Wade Park Boulevard, Suite 106 Raleigh, NC 27607 T 919.929.1173 F-1267	
PROJECT SURVEYOR	
	

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	37+40.00	-82.00	712991.1849	2100983.4175
L	37+40.00	-75.00	712988.6149	2100989.9286
L	38+05.00	-83.00	713052.0130	2101006.3508
L	38+05.00	-75.00	713049.0759	2101013.7922
L	38+32.00	-75.00	713074.1905	2101023.7048
L	38+32.00	-86.00	713078.2289	2101013.4729
L	38+52.00	-75.00	713092.7939	2101031.0474
L	38+52.00	-86.00	713096.8323	2101020.8155
L	40+33.00	112.62	713192.2734	2101272.0160
L	40+33.00	145.00	713180.3854	2101302.1354
L	40+55.00	145.00	713200.8492	2101310.2123
L	40+55.00	120.00	713210.0275	2101286.9581
L	41+27.00	-75.00	713348.5903	2101132.0086
L	41+27.00	-79.00	713350.0588	2101128.2880
L	41+47.00	-79.00	713368.6622	2101135.6306
L	41+47.00	-75.00	713367.1937	2101139.3513
L	41+96.00	106.00	713346.3211	2101325.7013
L	42+00.00	90.00	713355.9159	2101312.2871
L	42+17.00	110.00	713364.3861	2101337.1317
L	42+22.00	83.40	713378.8027	2101314.2249
L	42+32.00	-75.00	713446.2581	2101170.5575
L	42+32.00	-89.00	713451.3979	2101157.5351
L	42+47.00	-89.00	713465.3504	2101163.0421
L	44+82.00	-112.00	713692.3842	2101227.9242
L	44+82.00	-128.00	713698.2583	2101213.0415
L	45+03.00	-128.00	713717.7918	2101220.7512
L	45+03.00	-112.00	713711.9177	2101235.6339
L	46+75.00	75.00	713803.2531	2101472.7222
L	47+08.00	95.00	713826.6061	2101503.4409
L	47+19.00	75.00	713844.1806	2101488.8760
L	47+36.00	75.00	713859.9934	2101495.1172
L	47+36.00	103.00	713849.7137	2101521.1620
L	47+48.00	-93.00	713932.8336	2101343.2544
L	47+57.00	75.00	713879.5270	2101502.8270
L	47+57.00	103.00	713869.2473	2101528.8717
L	51+55.82	-93.00	714312.1712	2101492.9765
L	52+30.56	-346.44	714474.7429	2101284.6775
L	52+42.00	-346.49	714485.4012	2101288.8292
L	53+00.00	-87.00	714444.0841	2101551.4922
L	53+20.00	-74.46	714458.0849	2101570.4958
L	53+20.00	-86.00	714462.3203	2101559.7650
L	53+97.00	109.0	714462.3526	2101769.4171
L	55+65.00	104.00	714620.4567	2101826.4444
L	56+90.00	84.00	714744.0704	2101853.7325
L	56+90.00	75.35	714747.2454	2101845.6884
L	57+04.00	-208.00	714864.2953	2101587.2630
L	57+09.00	-74.66	714819.9918	2101713.1297
L	57+09.00	-88.00	714824.8903	2101700.7189
L	57+10.00	75.34	714765.8524	2101853.0218
L	57+10.00	84.00	714762.6738	2101861.0751
L	57+25.00	-213.00	714885.6645	2101590.3219
L	57+27.00	-88.00	714841.6333	2101707.3273
L	57+39.39	-88.00	714853.1579	2101711.8760
L	57+39.60	-74.67	714848.4592	2101724.3492
L	57+40.00	-186.00	714889.7044	2101620.9434
L	57+70.00	-85.00	714880.5292	2101725.9044
L	57+70.00	-74.69	714876.7433	2101735.4965
L	57+93.00	120.00	714826.6611	2101925.0331
L	57+93.00	104.00	714832.5352	2101910.1504
L	58+18.00	120.00	714849.9153	2101934.2114
L	58+18.00	104.00	714855.7894	2101919.3287
L	58+74.00	-93.00	714980.2038	2101756.6448
L	58+74.00	-74.74	714973.4999	2101773.6300
L	58+80.00	104.00	714913.4599	2101942.0909
L	58+80.00	119.00	714907.9529	2101956.0434
L	59+02.00	104.00	714933.9236	2101950.1678
L	59+02.00	119.00	714928.4166	2101964.1203
L	59+06.00	-93.00	715009.9692	2101768.3930
L	59+06.00	-77.96	715004.4477	2101782.3823
L	60+70.00	-113.27	715169.9578	2101809.7503

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	60+70.00	-137.00	715178.6707	2101787.6752
L	60+88.91	104.00	715107.7815	2102018.7884
L	60+98.00	-154.00	715210.9567	2101782.1420
L	61+18.00	-150.00	715228.0916	2101793.2053
L	61+18.00	-135.00	715222.5846	2101807.1579
L	62+80.00	105.78	715284.8796	2102090.5982
L	62+81.00	146.00	715271.0381	2102128.3778
L	62+81.00	-105.00	715363.1882	2101894.9054
L	62+81.00	-118.00	715367.9609	2101882.8132
L	63+01.00	146.00	715289.6415	2102135.7204
L	63+02.00	-118.00	715387.4944	2101890.5230
L	63+02.00	-103.00	715381.9875	2101904.4755
L	63+07.00	117.00	715305.8693	2102110.9483
L	63+07.00	92.98	715314.6913	2102088.6059
L	63+80.00	82.00	715386.6213	2102105.1930
L	63+80.00	75.01	715389.1882	2102098.6895
L	64+00.00	82.00	715405.2246	2102112.5357
L	64+00.00	75.00	715407.7952	2102106.0228
L	64+56.99	87.00	715456.3713	2102138.1001
L	64+56.99	74.97	715460.7935	2102126.9104
L	64+77.00	87.00	715474.9572	2102145.4464
L	64+77.00	74.95	715479.3887	2102134.2391
L	65+75.00	-75.24	715625.8369	2102030.7276
L	65+75.00	-102.00	715635.7170	2102005.8623
L	65+76.00	85.00	715567.5929	2102180.0148
L	65+76.00	74.75	715571.3765	2102170.4931
L	65+84.00	-112.00	715647.7892	2101999.8993
L	65+84.00	-102.00	715644.0948	2102009.1929
L	65+96.00	85.00	715586.1512	2102187.3929
L	65+96.00	-75.31	715645.3993	2102126.9104
L	65+96.00	-102.00	715655.2653	2102013.6337
L	65+96.00	74.69	715589.9599	2102177.8172
L	66+04.00	-119.00	715668.9968	2102000.8007
L	66+10.00	-102.00	715668.2959	2102018.8186
L	66+17.00	85.00	715605.6346	2102195.1466
L	66+17.00	74.62	715609.4726	2102185.5075
L	66+46.00	107.00	715624.3874	2102226.3009
L	66+66.00	90.00	715649.2318	2102217.9095
L	66+66.00	101.00	715645.1541	2102228.1258
L	67+46.00	-198.95	715830.6774	2101979.2546
L	67+50.00	-100.00	715797.6830	2102072.6260
L	67+64.00	-205.00	715849.5823	2101980.2871
L	67+73.00	-98.98	715818.6324	2102082.0826
L	67+81.61	-76.10	715818.1468	2102106.5204
L	68+04.00	-100.00	715847.7584	2102092.5975
L	68+12.00	-76.22	715846.3809	2102117.6479
L	69+50.00	-100.00	715983.2359	2102146.3715
L	69+75.64	-100.00	716007.0386	2102155.7799
L	70+03.34	93.00	715961.9117	2102345.4622
L	71+24.00	-100.00	716145.0157	2102210.2531
L	72+83.00	-75.00	716283.7279	2102291.8922
L	72+83.00	-100.00	716292.9080	2102268.6387
L	73+50.62	101.00	716281.9918	2102480.4256
L	73+55.71	-100.00	716360.5415	2102295.3393
L	73+59.56	-75.00	716354.9355	2102320.0038
L	75+00.00	-93.00	716492.1780	2102354.8331
L	75+00.00	95.00	716423.1435	2102529.6994
L	75+50.00	95.00	716469.6505	2102548.0597
L	75+79.99	75.00	716504.8859	2102540.4679
L	75+90.00	119.00	716498.0432	2102585.0712
L	76+06.00	75.00	716529.0824	2102550.0203
L	76+18.00	112.00	716526.6575	2102588.8420
L	76+36.00	112.00	716543.4001	2102595.4517
L	76+36.00	95.00	716549.6425	2102579.6393
L	76+38.85	-94.00	716621.6927	2102404.8884
L	77+36.21	95.00	716642.8548	2102616.4380
L	77+78.00	-80.00	716745.9833	2102469.0078
L	77+78.00	-113.00	716758.1010	2102438.3132
L	77+95.36	83.00	716702.2781	2102626.9961
L	77+99.19	95.00	716701.4288	2102639.5621

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

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

Witness my original signature, registration number and seal this 2nd day of April, 2025.

Timothy J. Griffith
 Professional Land Surveyor

L-5550
 PLS #

Seal

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.

REVISIONS

6/2/09

S:\2025\NCDOT\AG1703_US_401\South\RW_Stacking\U5302_rdw_tsh.dgn 4/2/2025 10:52:33 AM

PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW03E-3
Location and Surveys	
PENNONI ASSOCIATES INC. 5430 Wade Park Boulevard, Suite 106 Raleigh, NC 27607 T 919.929.1173 F-1267	
PROJECT SURVEYOR	
	

ROW MARKER PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	78+00.00	-126.00	716783.3378	2102434.2999
L	78+13.00	75.00	716721.6214	2102626.0317
L	78+13.00	83.00	716718.6838	2102633.4728
L	78+27.98	-126.39	716809.5101	2102444.2079
L	78+44.59	-80.00	716807.9210	2102493.4599
L	78+44.59	-86.58	716810.3383	2102497.3369
L	78+90.00	-88.00	716853.0966	2102502.6936
L	78+90.00	-75.00	716848.3229	2102514.7854
L	79+10.00	-75.00	716866.9257	2102522.1295
L	79+10.00	-88.00	716871.6994	2102510.0377
L	79+17.96	84.00	716815.9441	2102672.9448
L	79+18.00	75.00	716819.2862	2102664.5882
L	79+39.00	84.00	716835.5143	2102680.6707
L	79+39.00	75.00	716838.8191	2102672.2995
L	82+00.00	75.00	717081.5857	2102768.1399
L	82+27.00	-112.70	717175.6238	2102603.4671
L	82+27.00	-147.00	717188.2189	2102571.5633
L	82+50.62	79.60	717126.9828	2102791.0101
L	82+50.85	85.10	717125.1703	2102796.2075
L	82+60.00	-116.00	717207.5302	2102612.5154
L	82+60.00	-148.00	717219.2807	2102582.7509
L	83+40.00	-115.00	717281.5742	2102642.8219
L	83+40.00	-93.00	717273.4957	2102663.2850
L	83+58.90	79.57	717227.7051	2102830.7421
L	83+60.52	85.07	717227.1893	2102836.4511
L	83+60.91	86.40	717227.0644	2102837.8338
L	83+75.00	-115.00	717314.1291	2102655.6741
L	83+75.00	-102.00	717309.3554	2102667.7659
L	84+26.00	-92.30	717353.2299	2102695.5178
L	84+26.00	-102.00	717356.7926	2102686.4934
L	85+23.00	87.00	717377.6160	2102897.9050
L	85+40.00	98.00	717389.3876	2102914.3827
L	85+57.15	102.00	717403.8664	2102924.3991
L	86+20.00	-88.00	717532.0989	2102770.7530
L	86+20.00	-75.00	717527.3262	2102782.8452
L	86+26.31	86.00	717474.0709	2102934.9130
L	86+40.00	-108.00	717558.0458	2102759.4943
L	86+40.00	86.00	717486.8081	2102939.9415
L	86+40.00	101.00	717481.3000	2102953.8936
L	86+61.00	-93.00	717572.0707	2102781.1577
L	86+61.00	101.00	717500.8330	2102961.6049
L	86+61.00	-108.00	717577.5788	2102767.2056
L	86+61.00	81.00	717508.1771	2102943.0021
L	86+81.00	81.00	717526.7799	2102950.3462
L	86+81.00	75.00	717528.9831	2102944.7654
L	87+48.00	98.00	717582.8568	2102990.7613
L	87+61.00	75.00	717603.3943	2102974.1417
L	87+67.00	108.00	717596.8574	2103007.0396
L	87+85.00	75.00	717625.7177	2102982.9546
L	88+55.00	-93.00	717752.5179	2102852.3954
L	88+66.00	-110.00	717768.9919	2102840.6223
L	88+82.00	-93.00	717777.6317	2102862.3099
L	88+82.00	-100.00	717780.2021	2102855.7990
L	90+31.00	103.00	717844.2504	2103099.3309
L	90+38.00	75.23	717860.9583	2103076.0724
L	90+52.00	108.00	717861.9474	2103111.6929
L	90+59.00	75.38	717880.4350	2103083.9262
L	90+79.00	-93.00	717960.8693	2102934.6493
L	90+79.00	-110.00	717967.1118	2102918.8369
L	91+03.00	-105.00	717987.5991	2102932.3805
L	91+03.00	-93.00	717983.1926	2102943.4622
L	92+66.00	-93.00	718136.6979	2103006.4967
L	92+67.00	-108.00	718143.5865	2102993.1328
L	92+87.00	-107.00	718161.9762	2103002.2214
L	93+07.00	-89.00	718173.4340	2103026.9344
L	94+39.00	77.99	718223.5517	2103233.9077
L	94+39.00	85.00	718220.5210	2103240.2335
L	94+50.00	-72.60	718298.5949	2103102.8875
L	94+50.00	-75.00	718299.6328	2103100.7264
L	94+60.00	85.00	718239.3196	2103249.2600
L	94+60.00	78.22	718242.2606	2103243.1487

ROW MARKER PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	11+03.00	-129.00	714387.6718	2101780.5578
Y3	11+13.00	-138.00	714383.4983	2101798.0421
Y3	11+16.00	-116.00	714364.7016	2101785.7250
Y3	11+21.00	-121.00	714362.8068	2101794.5107
Y3	11+42.00	-91.00	714320.3059	2101791.6925
Y3	11+60.00	-82.00	714295.2474	2101798.9253
Y3	12+20.00	-69.00	714219.2798	2101823.0960
Y3	12+26.00	-86.00	714217.3361	2101841.7555
Y3	12+36.00	-61.00	714197.4770	2101821.7317
Y3	12+40.00	-78.00	714197.0498	2101839.4913
Y3	12+50.00	36.00	714159.2449	2101731.4201
Y3	12+50.00	56.00	714154.8695	2101711.9045
Y3	12+57.00	-40.00	714167.8778	2101807.2492
Y3	13+12.00	36.00	714100.5180	2101740.8443
Y3	13+12.00	56.00	714097.5140	2101721.0712
Y3	13+40.00	36.00	714072.8356	2101745.0500
Y3	13+40.00	52.00	714070.4324	2101729.2315
Y3	13+60.00	90.00	714044.9517	2101694.6666
Y3	13+64.00	73.00	714043.5505	2101712.0745
Y3	13+80.00	95.00	714024.4276	2101692.7273
Y3	13+85.00	78.00	714022.0377	2101710.2855
Y3	14+02.00	52.00	714009.1358	2101738.5439
Y3	14+02.00	40.00	714010.9341	2101750.4084
Y3	16+48.00	-40.00	713779.7450	2101866.4497
Y3	16+50.00	62.00	713762.4472	2101765.9073
Y3	16+59.00	-74.00	713773.9767	2101901.7162
Y3	16+80.00	-40.00	713748.1081	2101871.2562
Y3	16+80.00	-72.00	713752.9145	2101902.8931
Y3	18+00.00	58.00	713614.7497	2101792.3921
Y3	18+80.00	-53.00	713552.3296	2101914.1489
Y3	18+80.00	-40.00	713550.3770	2101901.2964
Y3	19+04.00	-53.00	713528.6019	2101917.7537
Y3	19+04.00	-40.00	713526.6492	2101904.9012
Y3	20+40.00	58.00	713377.4724	2101828.4403
Y3	20+40.00	73.00	713375.2194	2101813.6105
Y3	20+62.00	58.00	713355.7220	2101831.7448
Y3	20+62.00	73.00	713353.4690	2101816.9149
Y3	20+72.00	-53.81	713362.6329	2101943.7853
Y3	21+48.01	55.08	713271.1263	2101847.5504
Y3	23+25.00	-62.00	713113.7297	2101989.8863
Y3	23+25.11	-40.00	713110.3144	2101968.1527
Y3	23+31.00	50.00	713090.9753	2101880.0581
Y3	23+40.00	40.00	713083.5794	2101891.2965
Y3	23+40.00	50.00	713082.0774	2101881.4099
Y3	23+50.00	-58.00	713088.4125	2101989.6867

ROW MARKER PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3A	11+00.00	64.00	713367.2310	2101978.8162
Y3A	11+18.00	60.00	713371.2032	2101996.8223
Y3A	12+84.00	-124.00	713554.8040	2102163.7403
Y3A	12+96.00	-24.31	713455.0289	2102175.1032
Y3A	13+05.00	-126.00	713556.6415	2102185.0003
Y3A	13+17.00	-24.10	713454.6360	2102196.1481
Y3A	13+30.00	38.00	713392.4037	2102208.4961
Y3A	13+30.00	35.00	713395.4035	2102208.5289

ROW MARKER PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	11+02.00	29.15	714517.4533	2101787.9268
Y4	11+34.80	-75.81	714620.4567	2101826.4444
Y4	11+60.00	-31.62	714574.9508	2101849.1773
Y4	11+60.00	-43.00	714586.3107	2101849.8022
Y4	11+77.00	67.00	714475.5430	2101860.7347
Y4	11+90.20	38.30	714503.4714	2101875.4957
Y4	11+96.00	75.00	714466.5115	2101879.2666
Y4	12+12.07	41.85	714498.7323	2101897.1349
Y4	13+62.60	24.99	714507.2980	2102048.3608
Y4	13+62.89	37.91	714494.3750	2102047.9386
Y4	13+82.59	24.57	714506.6131	2102068.3491
Y4	13+82.88	37.48	714493.7063	2102067.9274

ROW MARKER PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y9	10+87.00	47.00	716982.5137	2102752.2273
Y9	10+99.20	-38.82	717066.7459	2102772.6822
Y9	11+02.97	-29.72	717057.3275	2102775.5573
Y9	11+34.00	30.15	716994.7295	2102800.6385
Y9	12+06.00	-30.14	717047.7655	2102878.1411
Y9	12+06.00	-45.00	717062.5524	2102879.5804
Y9	12+27.86	-49.00	717064.4155	2102901.7291
Y9	12+27.93	-30.23	717045.7303	2102899.9747
Y9	12+27.93	-30.23	717045.7303	2102899.9747

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

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

Witness my original signature, registration number and seal this 2nd day of April, 2025.

Tim Griffith
Professional Land Surveyor

L-5550
PLS #

Seal

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.

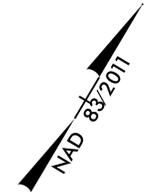
REVISIONS

6/2/09

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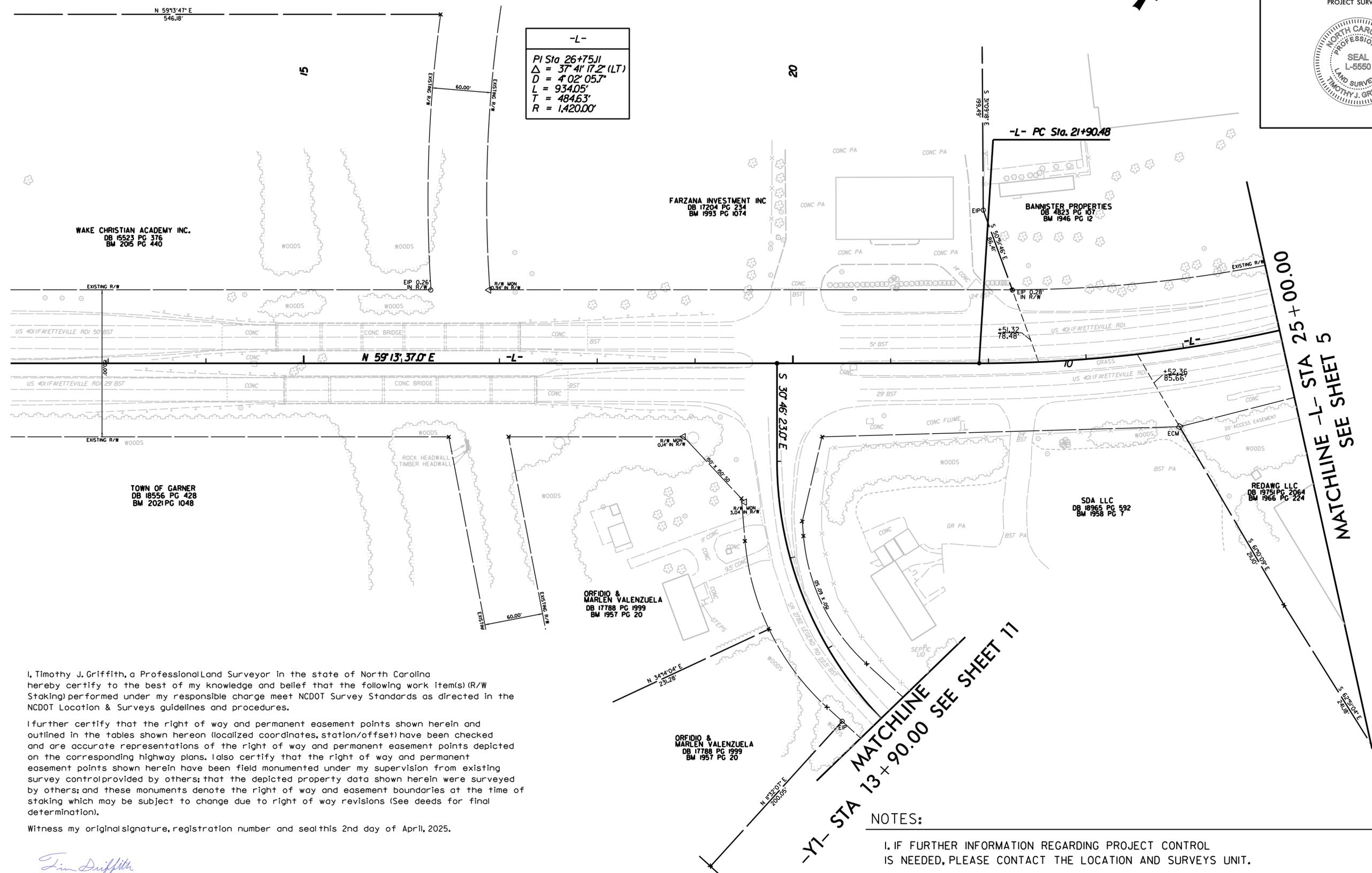
6/2/2019

PROJECT REFERENCE NO.	SHEET NO.
U-5302	RW04
Location and Surveys	
PENNONI ASSOCIATES INC.	
5430 Wade Park Boulevard, Suite 106 Raleigh, NC 27607	
T 919.929.1173 F-1267	
PROJECT SURVEYOR	
	



-L-

PI Sta 26+75.11
 $\Delta = 37' 41" 17.2" (LT)$
 $D = 4' 02" 05.7"$
 $L = 934.05'$
 $T = 484.63'$
 $R = 1,420.00'$



REVISIONS

MATCHLINE -L- STA 25+00.00
SEE SHEET 5

-YI- STA 13+90.00 SEE SHEET 11

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

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Tim Griffith

Professional Land Surveyor L-5550 Seal
 PLS #

NOTES:

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

Location and Surveys

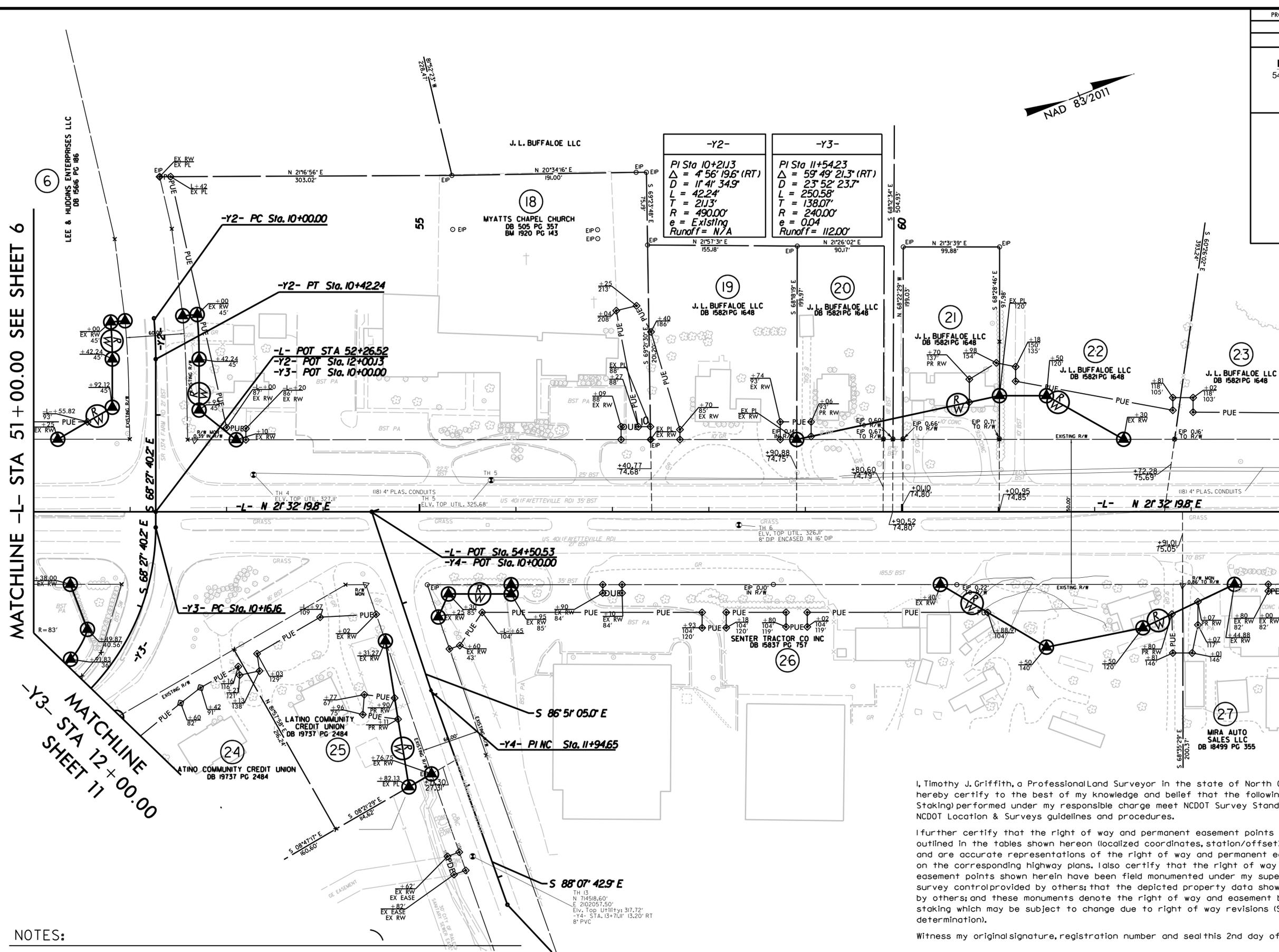
PENNONI ASSOCIATES INC.
 5430 Wade Park Boulevard, Suite 106
 Raleigh, NC 27607
 T 919.929.1173 F-1267

PROJECT SURVEYOR



MATCHLINE -L- STA 51+00.00 SEE SHEET 6

MATCHLINE -L- STA 64+00.00 SEE SHEET 8



-Y2-	-Y3-
PI Sta 10+21.13	PI Sta 11+54.23
$\Delta = 4^{\circ} 56' 19.6''$ (RT)	$\Delta = 59^{\circ} 49' 21.3''$ (RT)
$D = 11^{\circ} 41' 34.9''$	$D = 23^{\circ} 52' 23.7''$
$L = 42.24'$	$L = 250.58'$
$T = 21.13'$	$T = 138.07'$
$R = 490.00'$	$R = 240.00'$
$e = \text{Existing}$	$e = 0.04'$
$\text{Runoff} = N/A$	$\text{Runoff} = 112.00'$

NOTES:

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

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Tim Griffith
 Professional Land Surveyor

L-5550
 PLS #

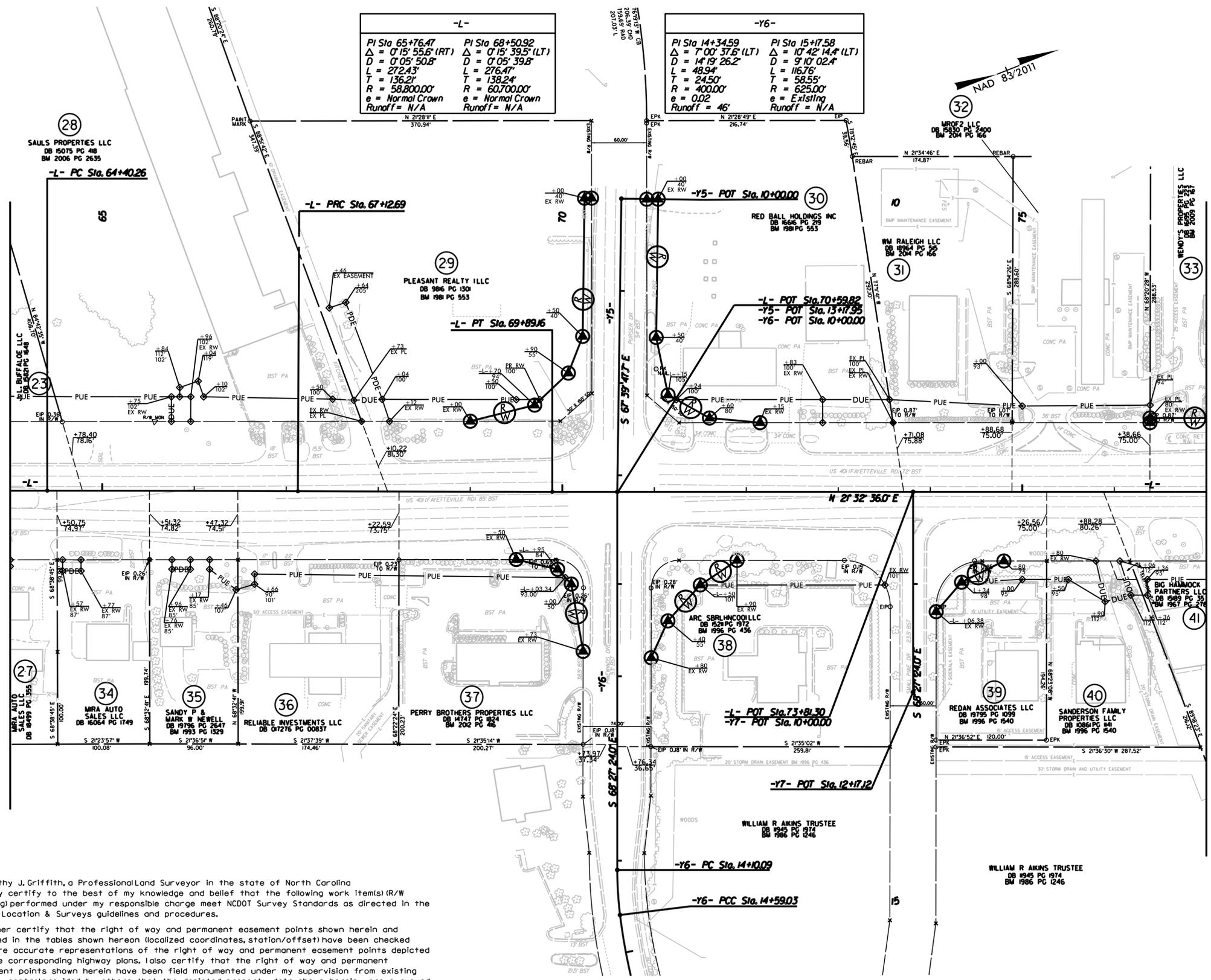
6/2/09

REVISIONS

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MATCHLINE -L- STA 64 + 00.00 SEE SHEET 7

MATCHLINE -L- STA 77 + 00.00 SEE SHEET 9



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

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Witness my original signature, registration number and seal this 2nd day of April, 2025.

Tim Griffith
 Professional Land Surveyor

L-5550
 PLS #

NOTES:

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

6/2/09

REVISIONS

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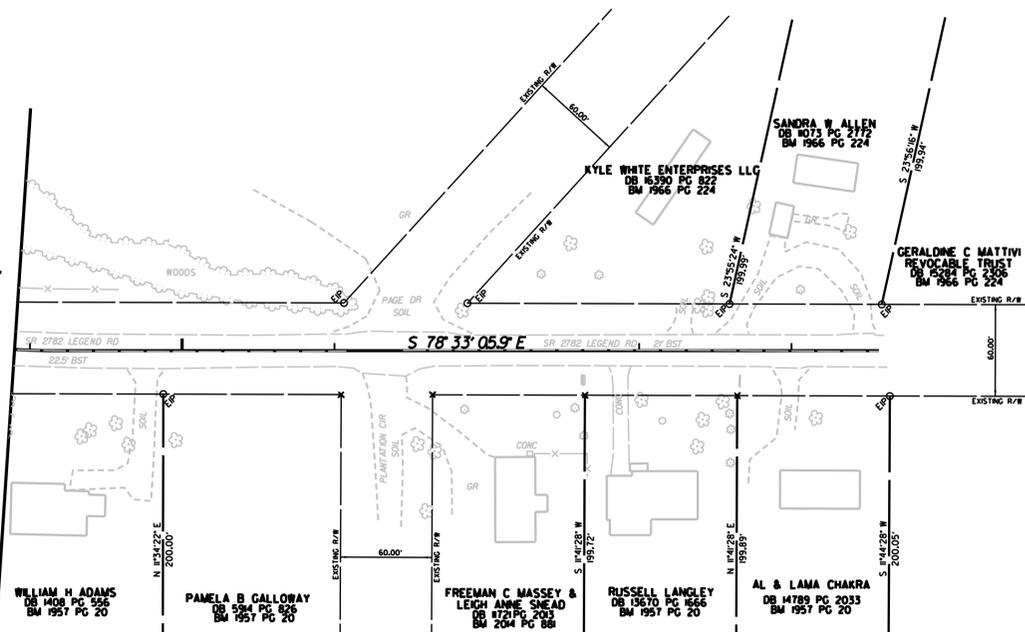
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Witness my original signature, registration number and seal this 2nd day of April, 2025.

Tim Griffith
 Professional Land Surveyor L-5550
 PLS #

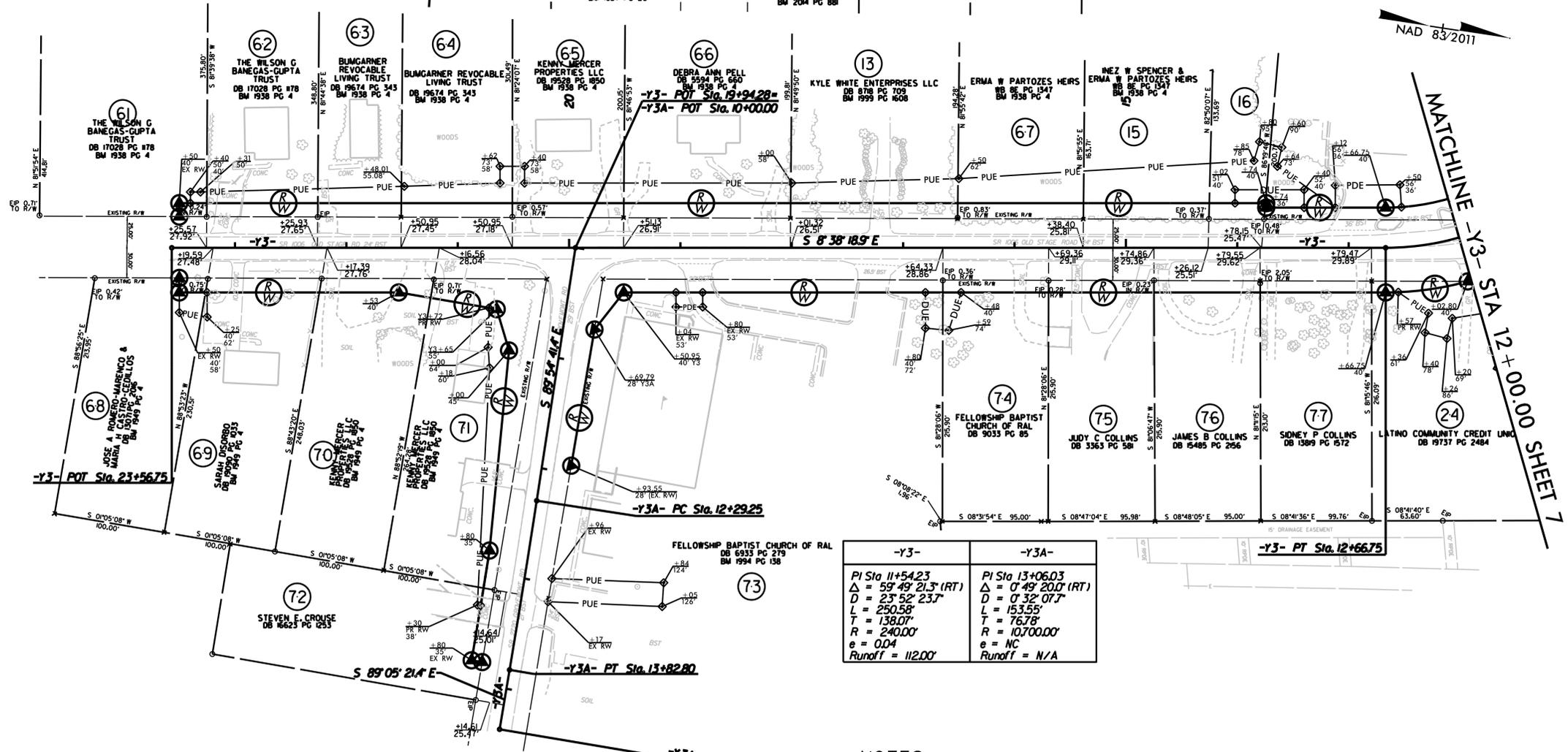
MATCHLINE -Y1- STA 13+90.00
SEE SHEET 4



NAD 83/2011

NAD 83/2011

MATCHLINE -Y3- STA 12+00.00 SHEET 7



-Y3-	-Y3A-
PI Sta 11+54.23	PI Sta 13+06.03
$\Delta = 59^{\circ} 49' 21.3''$ (RT)	$\Delta = 0^{\circ} 49' 20.0''$ (RT)
$D = 23^{\circ} 52' 23.7''$	$D = 0^{\circ} 32' 07.7''$
$L = 250.58'$	$L = 153.55'$
$T = 138.07'$	$R = 76.78'$
$R = 240.00'$	$R = 10,700.00'$
$e = 0.04$	$e = NC$
Runoff = 112.00'	Runoff = N/A

NOTES:

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

REVISIONS

6/2/09

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