

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5783	RW01	19

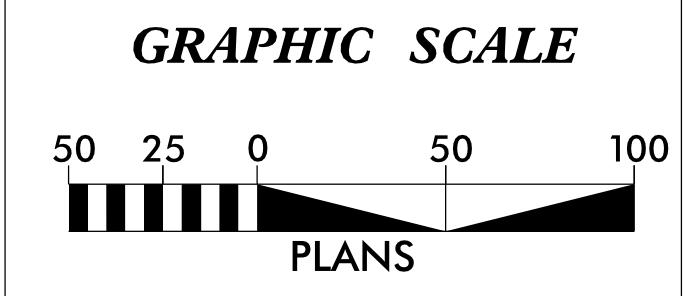
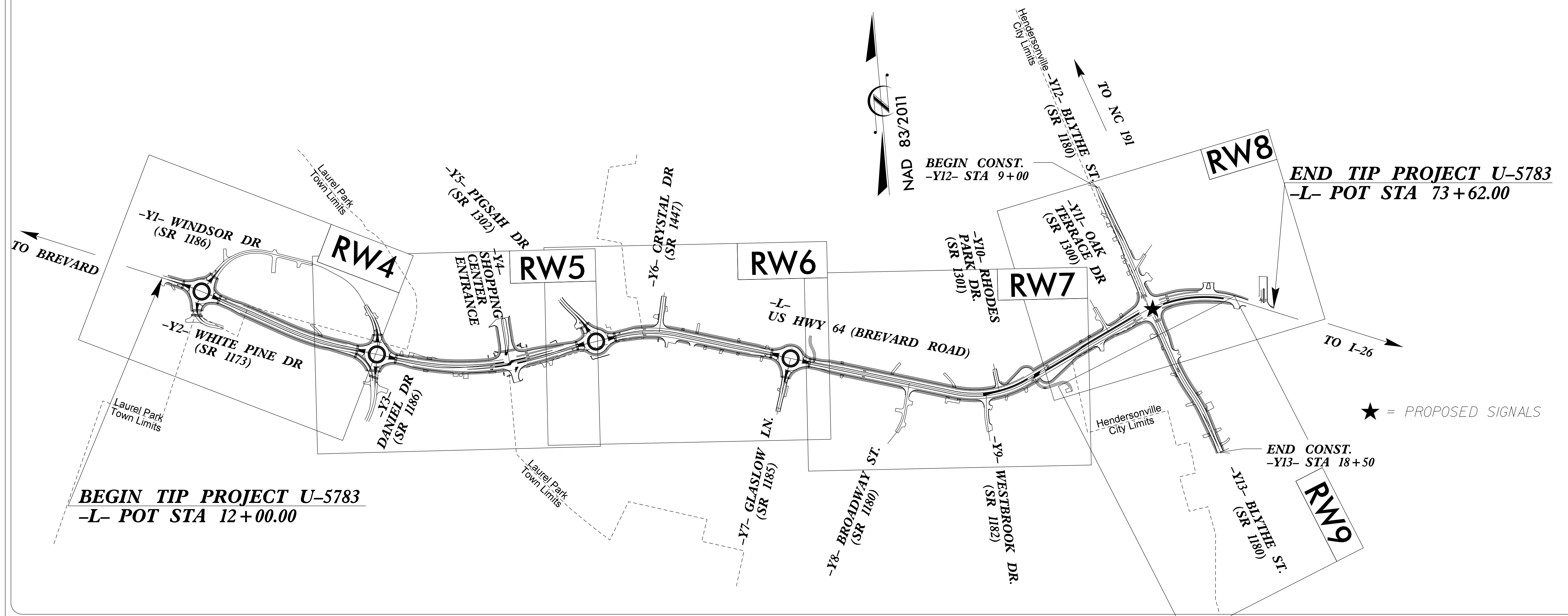
TIP PROJECT: U-5783

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

HENDERSON COUNTY

**US 64 (BREVARD ROAD) FROM SR 1173 (WHITE PINE DRIVE)
TO SR 1180 (BLYTHE STREET)**



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U5783-GPS103" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 589788.147(ft) EASTING: 958957.346(ft) ELEVATION: 2203.23(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999767218

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U5783-GPS 103" TO -L- STATION 12+00.00 IS N68°24'25.2"W 1922.74(ft)

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

Prepared in the Office of:

Mattern & Craig
ENGINEERS SURVEYORS

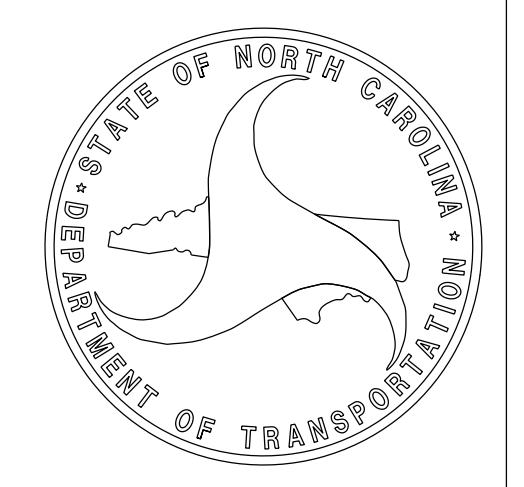
12 BROAD STREET
ASHEVILLE, NORTH CAROLINA 28801
(828) 254-2201
FAX (828) 254-4562
NC LIC. NO. C-1154

2018 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: June 29, 2021	LETTING DATE: July 16, 2024

PROFESSIONAL LAND SURVEYOR

DocuSigned by:
Ron L. Zietlow
-84E55C884005472-
SIGNATURE: _____

March 29, 2024
Date: _____



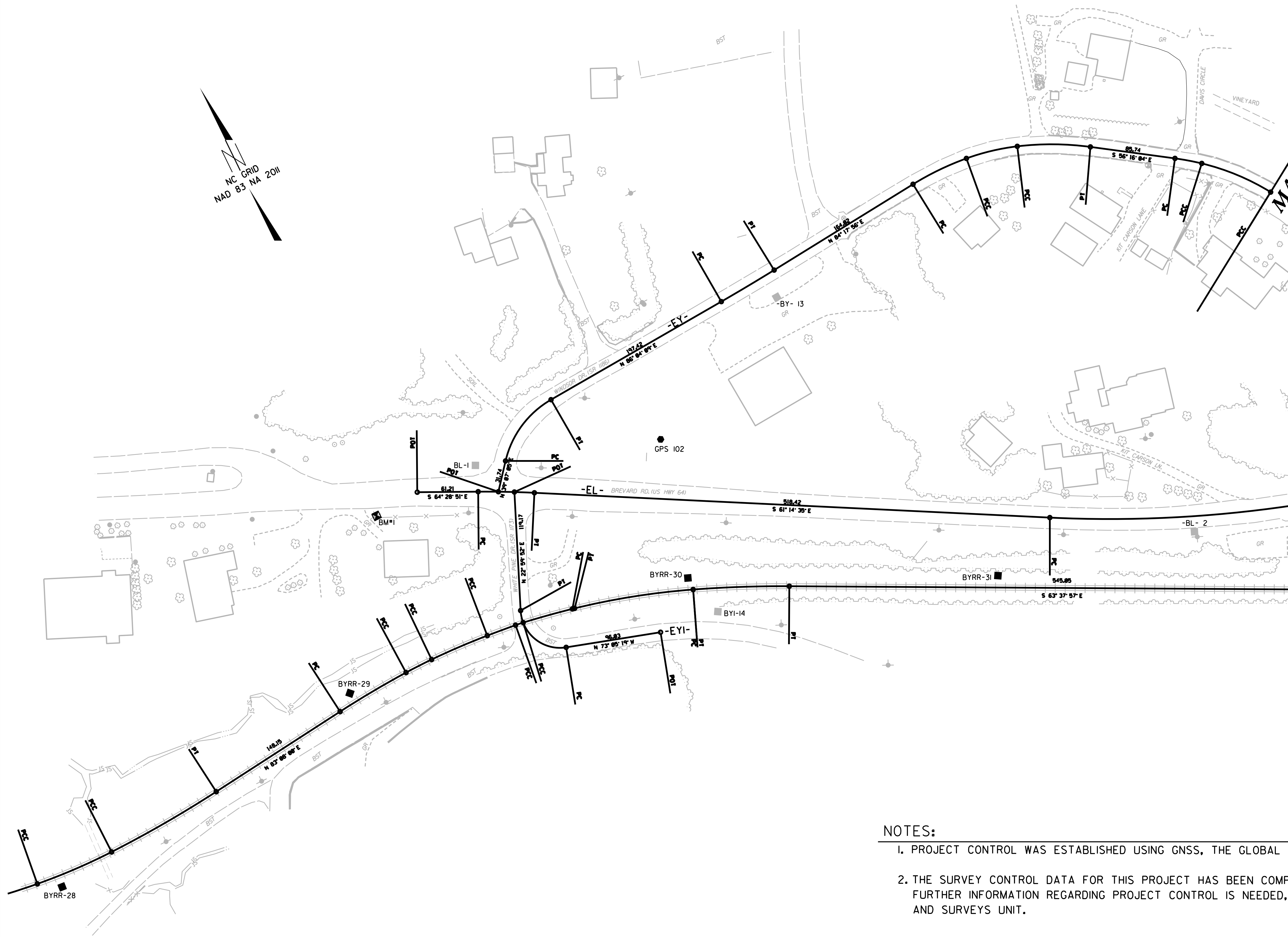
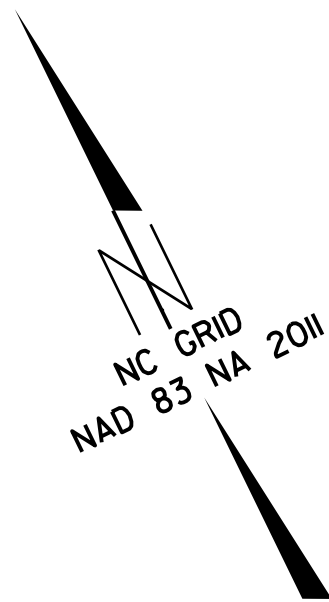
6/2/09

PROJECT REFERENCE NO.	SHEET NO.
U-5783	RW02C-1
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

SEE SHEETS RW02C-7 -
RW02C-9 FOR FURTHER
ALIGNMENT DETAILS



MATCHLINE SEE SHEET RW02C-2

REVISIONS

09-APR-2019 10:33
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 bobor-watt AT LSD14-27911

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.

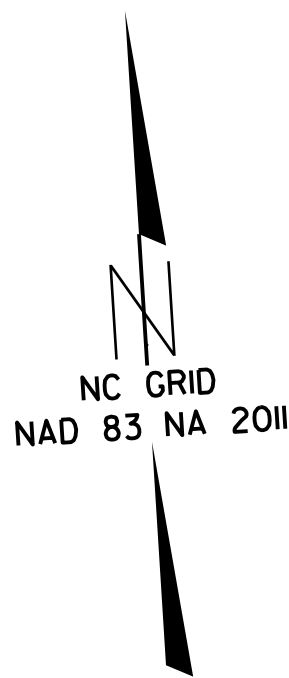
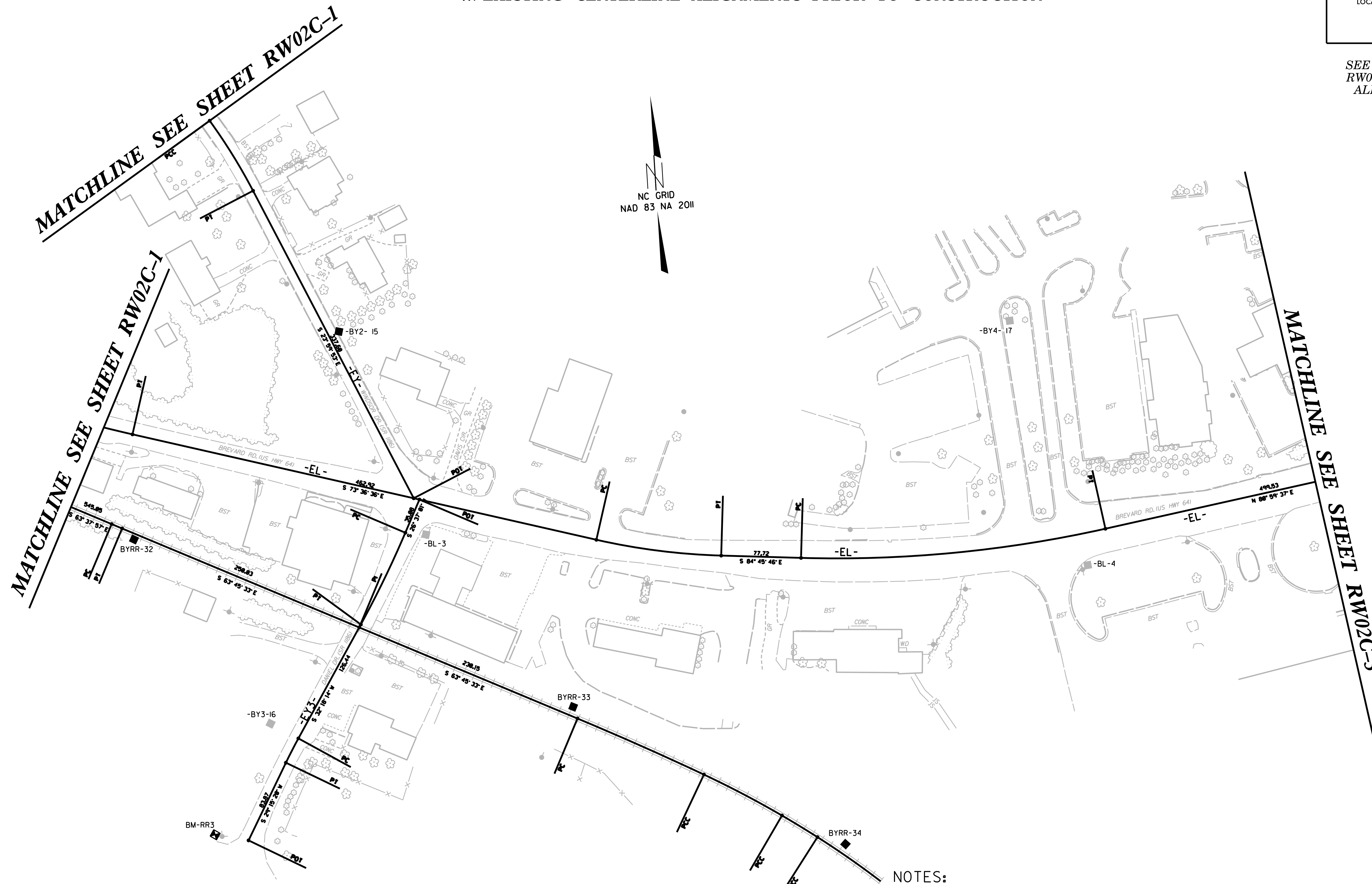
6/2/09

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-5783	RW02C-2
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	

SEE SHEETS RW02C-7 -
RW02C-9 FOR FURTHER
ALIGNMENT DETAILS



REVISIONS

09-APR-2019 10:31
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 bobarwatt AT LSD14-279511

- 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.

6/2/09

PROJECT REFERENCE NO.	SHEET NO.
U-5783	RW02C-3
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

SEE SHEETS RW02C-7 &
RW02C-8 FOR FURTHER
ALIGNMENT DETAILS



MATCHLINE SEE SHEET RW02C-2

MATCHLINE SEE SHEET RW02C-4

NOTES:

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REVISIONS

09-APR-2019 10:35
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bob.watt AT LSD14-27911

6/2/09

PROJECT REFERENCE NO.	SHEET NO.
U-5783	RW02C-4
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	

SURVEY CONTROL SHEET

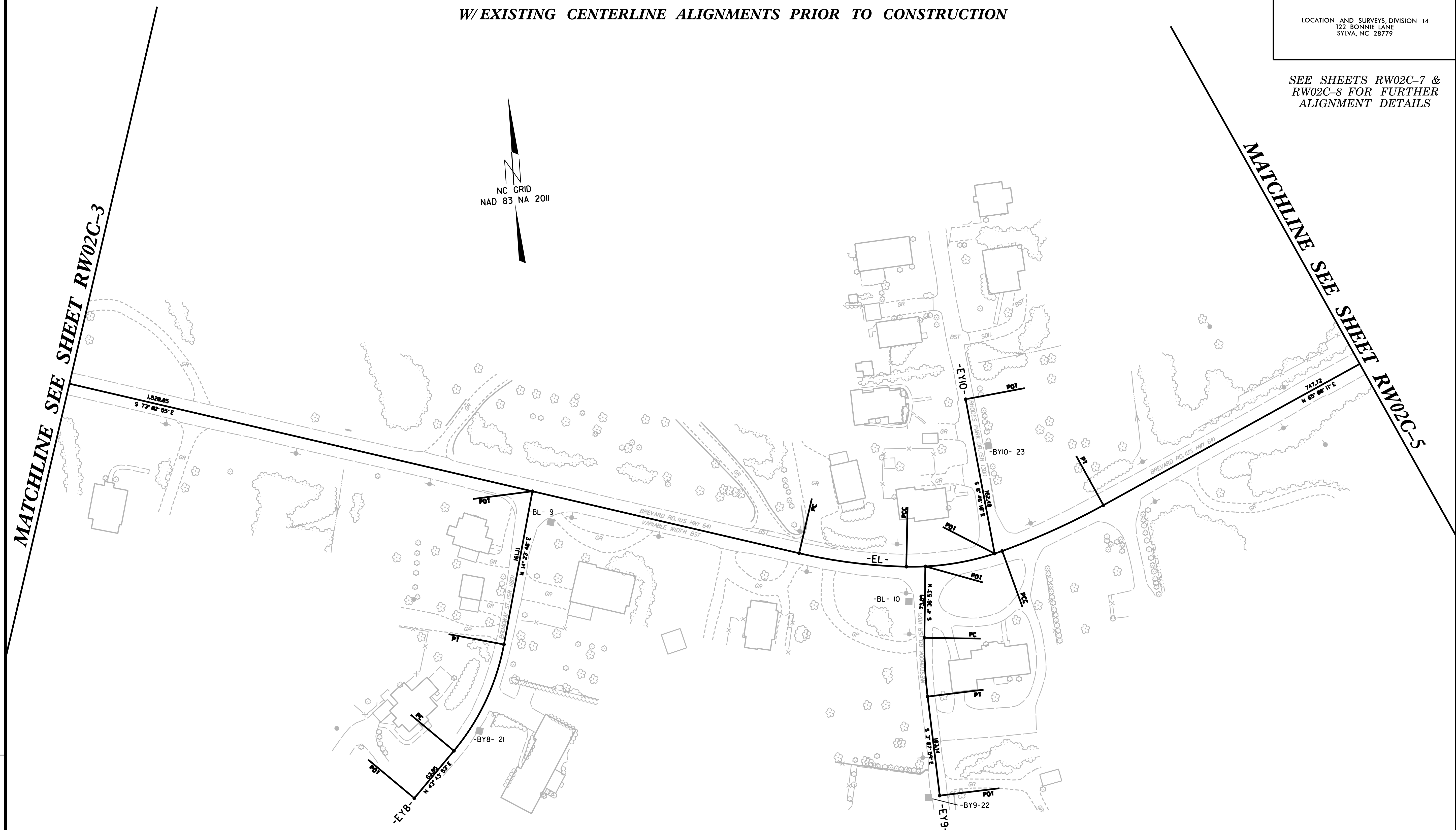
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

SEE SHEETS RW02C-7 & RW02C-8 FOR FURTHER ALIGNMENT DETAILS



MATCHLINE SEE SHEET RW02C-3

MATCHLINE SEE SHEET RW02C-5



REVISIONS

09-APR-2019 10:37
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bob.watt AT LSD14-279511

NOTES:

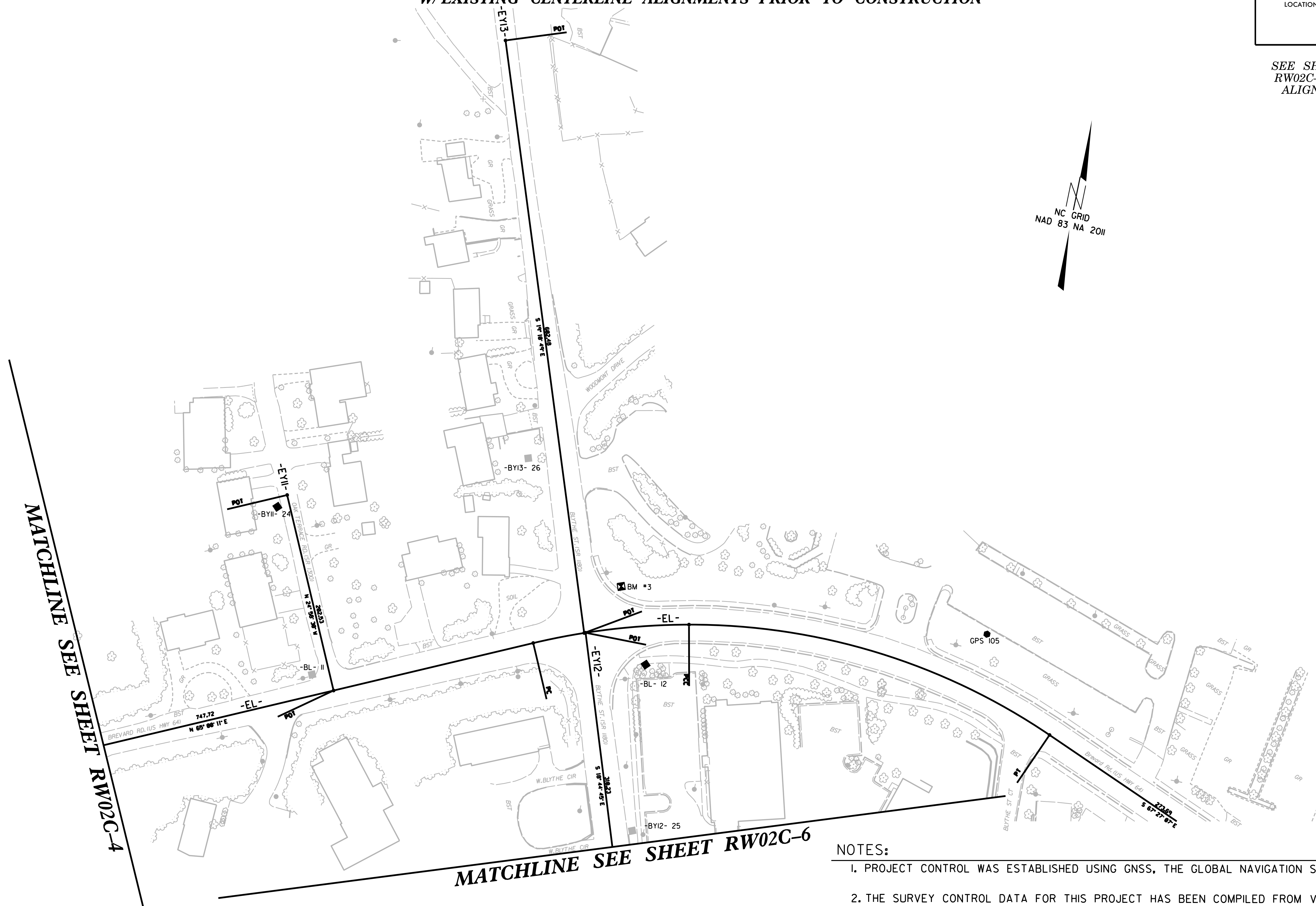
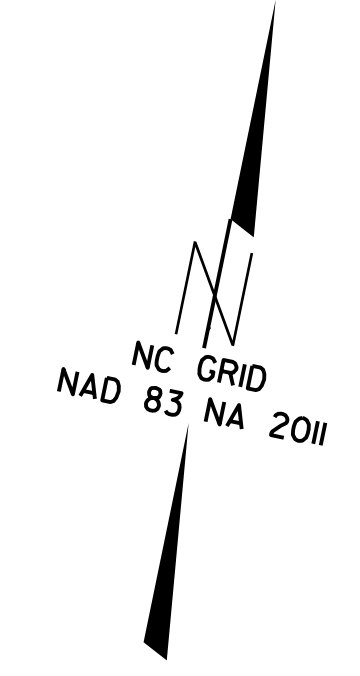
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PROJECT REFERENCE NO.	SHEET NO.
U-5783	RW02C-5
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

SEE SHEETS RW02C-7 & RW02C-8 FOR FURTHER ALIGNMENT DETAILS



MATCHLINE SEE SHEET RW02C-4

MATCHLINE SEE SHEET RW02C-6

- NOTES:
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REVISIONS

6/2/09

REVISIONS

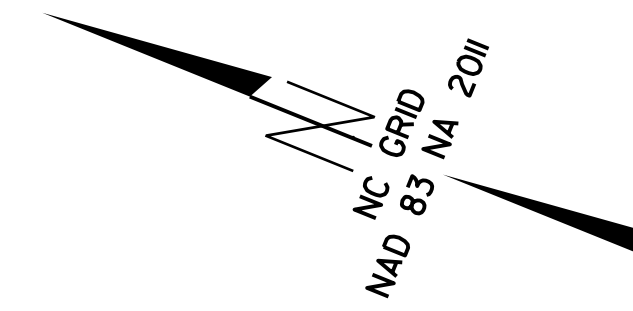
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babar-watt AT LSD14-27911

SURVEY CONTROL SHEET

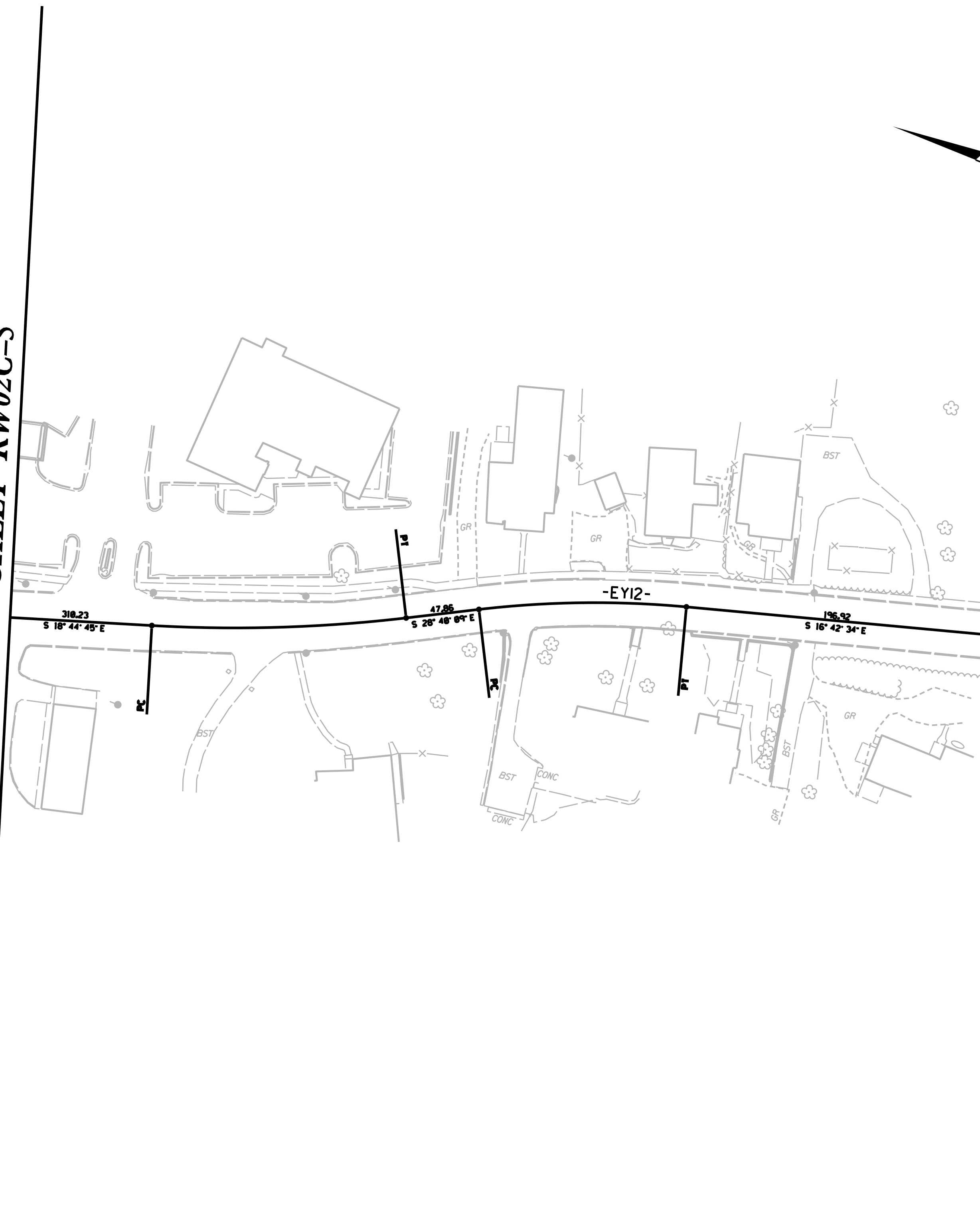
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-5783	RW02C-6
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	

SEE SHEETS RW02C-7 & RW02C-8 FOR FURTHER ALIGNMENT DETAILS



MATCHLINE SEE SHEET RW02C-5



NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

REVISIONS

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		BL -1	590445.8380	957346.7560	2216.08
2		BL -2	590069.2650	957966.7870	2234.99
3		BL -3	589927.1070	958369.9490	2215.50
4		BL -4	589857.1330	959010.8390	2205.21
5		BL -5	589929.2410	959481.7610	2209.60
6		BL -6	590006.4940	959753.9220	2217.09
7		BL -7	589855.8610	960107.6170	2216.90
8		BL -8	589767.0700	960414.6010	2207.15
9		BL -9	589552.2540	961083.2360	2210.13
10		BL -10	589445.1870	961447.0660	2208.91
11		BL -11	589771.0260	962120.1600	2213.82
12		BL -12	589848.5620	962447.4070	2200.59
BY	POINT	DESC.	NORTH	EAST	ELEVATION
13		BY -13	590464.9200	957692.7990	2221.05
Y1		BL -1	590445.8380	957346.7560	2216.08
BY1	POINT	DESC.	NORTH	EAST	ELEVATION
YY1		BL -1	590445.8380	957346.7560	2216.08
14		BY1 -14	590207.0370	957501.2630	2220.25
BY2	POINT	DESC.	NORTH	EAST	ELEVATION
15		BY2 -15	590129.6390	958297.7650	2220.32
Y3		BL -3	589927.1070	958369.9490	2215.50
BY3	POINT	DESC.	NORTH	EAST	ELEVATION
YY3		BL -3	589927.1070	958369.9490	2215.50
16		BY3 -16	589752.9300	958207.5810	2220.00
BY4	POINT	DESC.	NORTH	EAST	ELEVATION
17		BY4 -17	590099.2790	958949.9300	2214.50
Y4		BL -4	589857.1330	959010.8390	2205.21
BY5	POINT	DESC.	NORTH	EAST	ELEVATION
18		BY5 -18	590169.8090	959258.5970	2222.82
Y5		BL -5	589929.2410	959481.7610	2209.60
BY6	POINT	DESC.	NORTH	EAST	ELEVATION
19		BY6 -19	590177.6210	959829.6850	2227.78
Y6		BL -6	590006.4940	959753.9220	2217.09

BY7	POINT	DESC.	NORTH	EAST	ELEVATION
Y8		BL -8	589767.0700	960414.6010	2207.15
20		BY7 -20	589564.0320	960393.2820	2199.06
BY8	POINT	DESC.	NORTH	EAST	ELEVATION
Y9		BL -9	589552.2540	961083.2360	2210.13
21		BY8 -21	589341.8380	960995.0710	2200.67
BY9	POINT	DESC.	NORTH	EAST	ELEVATION
Y10		BL -10	589445.1870	961447.0660	2208.91
22		BY9 -22	589241.7720	961453.5280	2200.76
BY10	POINT	DESC.	NORTH	EAST	ELEVATION
23		BY10 -23	589600.6460	961539.9020	2205.27
YY10		BL -10	589445.1870	961447.0660	2208.91
BY11	POINT	DESC.	NORTH	EAST	ELEVATION
24		BY11 -24	589929.6200	962051.8290	2207.29
Y11		BL -11	589771.0260	962120.1600	2213.82
BY12	POINT	DESC.	NORTH	EAST	ELEVATION
Y12		BL -12	589848.5620	962447.4070	2200.59
25		BY12 -25	589681.7890	962467.8860	2200.30
BY13	POINT	DESC.	NORTH	EAST	ELEVATION
26		BY13 -26	590028.5050	962289.6520	2194.55
YY12		BL -12	589848.5620	962447.4070	2200.59
BYRR	POINT	DESC.	NORTH	EAST	ELEVATION
27		RR27	590301.2830	956565.8360	2195.88
28		RR28	590247.3970	956787.9970	2197.22
29		RR29	590295.3940	957133.1090	2203.13
30		RR30	590250.6290	957489.0080	2210.83
31		RR31	590116.1590	957769.9960	2215.26
32		RR32	589940.1520	958086.1140	2216.97
33		RR33	589750.8330	958502.4490	2208.14
34		RR34	589600.9170	958758.5580	2204.90
35		RR35	589357.2140	958988.2090	2199.45
36		RR36	589020.8740	959248.9160	2193.79
37		RR37	588729.3840	959522.0830	2189.60
38		RR38	588479.4640	960017.5160	2181.47

.....
 BM1 ELEVATION = 2217.45
 N 590444 E 957235
 IS RR SPIKE SET IN THE BASE OF POWERPOLE

 BM2 ELEVATION = 2208.23
 N 589777 E 959615
 IS RR SPIKE SET IN BASE OF 24' BRADFORDPEAR

 BM3 ELEVATION = 2202.87
 N 589921 E 962407
 MARKED BOLT ON FIRE HYDRANT

.....
 RRB1 ELEVATION = 2191.28
 N 590511 E 956187
 BM-RR1 IS RR SPIKE SET IN BASE OF RRCROSSING SIGN

 RRB2 ELEVATION = 2217.45
 N 590444 E 957235
 BM-RR2 IS RR SPIKE SET IN BASE OF POWERPOLE

 RRB3 ELEVATION = 2230.29
 N 589649 E 958147
 BM-RR3 IS TOP DEAD CENTER OF FIRE HYDRANT

 RRB4 ELEVATION = 2193.68
 N 588487 E 959767
 BM-RR3 IS MARKED BOLT ON FIRE HYDRANT

 RRB5 ELEVATION = 2176.90
 N 588368 E 960213
 PAINTED CORNER CONC HEAD WALL

NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5783	SHEET NO. RW02C-8
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	590447.273	957282.433							
LINE			S 64°28'50.7" E	61.21					
PC	590420.902	957337.674							
CURVE			S 62°51'42.6" E	56.50	03°14'16.2"(RT)	05°43'46.5"	56.51	28.26	1000.00
PT	590395.128	957387.957							
LINE			S 61°14'34.5" E	518.42					
PC	590145.720	957842.436							
CURVE			S 67°25'35.1" E	269.28	12°22'01.1"(LT)	04°35'01.2"	269.81	135.43	1250.00
PT	590042.351	958091.088							
LINE			S 73°36'35.6" E	462.92					
PC	589911.725	958535.200							
CURVE			S 79°11'10.6" E	122.44	11°09'09.9"(LT)	09°05'40.4"	122.63	61.51	630.00
PT	589888.753	958655.463							
LINE			S 04°45'45.6" E	77.72					
PC	589881.659	958732.854							
CURVE			N 88°06'55.5" E	297.56	14°14'37.9"(LT)	04°46'28.7"	298.32	149.93	1200.00
PT	589891.445	959030.248							
LINE			N 80°59'36.5" E	499.53					
PC	589969.644	959523.617							
CURVE			N 85°16'47.5" E	149.48	08°34'22.1"(RT)	05°43'46.5"	149.62	74.95	1000.00
PT	589981.945	959672.594							
LINE			S 05°04'03.1" E	97.45	10°43'56.7"(RT)	10°59'50.2"	97.59	48.94	521.00
PC	589973.566	959769.682							
CURVE			S 76°22'30.0" E	116.04	06°39'09.4"(RT)	05°43'46.5"	116.11	58.12	1000.00
PT	589946.230	959882.461							
LINE			S 73°02'55.3" E	1520.85					
PC	589502.814	961337.230							
CURVE			S 78°58'16.8" E	111.65	11°50'42.9"(LT)	10°35'26.6"	111.85	56.12	541.00
PT	589481.456	961446.815							
LINE			N 84°34'34.0" E	100.51	21°03'35.5"(LT)	20°50'05.4"	101.08	51.12	275.00
PC	589490.957	961546.877							
CURVE			N 69°31'28.6" E	114.78	09°02'35.4"(LT)	07°52'13.1"	114.90	57.57	728.00
PT	589531.109	961654.408							
LINE			N 65°00'10.9" E	747.72					
PC	589847.072	962332.088							
CURVE			N 71°37'45.5" E	158.09	13°15'09.2"(RT)	08°21'51.7"	158.44	79.58	685.00
PT	589896.896	962482.120							
LINE			S 78°15'20.2" W	0.00					
PC	589896.895	962482.117							
CURVE			S 84°35'53.3" E	380.00	34°17'33.1"(RT)	08°53'25.3"	385.73	198.83	644.47
PT	589861.123	962660.425							
LINE			S 67°27'06.8" E	273.69					
POT	589756.172	963113.197							

EY POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	590411.965	957355.915							
LINE			N 39°07'05.0" E	31.74					
PC	590436.593	957375.942							
CURVE			N 62°35'36.9" E	76.60	46°57'03.8"(RT)	59°35'28.4"	78.79	41.76	96.15
PT	590471.853	957443.947							
LINE			N 86°04'08.8" E	197.42					
PC	590485.387	957640.905							
CURVE			N 85°11'02.3" E	61.79	01°46'13.1"(LT)	02°51'53.2"	61.80	30.90	2000.00
PT	590490.575	957702.479							
LINE			N 84°17'55.7" E	164.02					
PC	590506.868	957865.688							
CURVE			S 89°48'24.6" E	59.56	11°47'19.3"(RT)	19°45'25.8"	59.67	29.94	290.00
PT	590506.668	957925.251							
LINE			S 77°21'56.6" E	52.54	13°05'36.6"(RT)	24°52'03.0"	52.65	26.44	230.40
PC	590495.176	957976.517							
CURVE			S 63°32'35.9" E	73.45	14°33'04.8"(RT)	19°45'25.8"	73.65	37.02	290.00
PT	590462.451	958042.278							
LINE			S 56°16'03.6" E	85.74					
PC	590414.839	958113.582							
CURVE			S 53°21'33.4" E	27.40	05°49'00.3"(RT)	21°13'14.4"	27.41	13.72	270.00
PT	590398.488	958135.567							
LINE			S 41°24'22.3" E	74.94	18°05'21.8"(RT)	24°02'20.9"	75.25	37.94	238.34
PC	590342.281	958185.130							
CURVE			S 32°21'41.5" E	0.00					
PT	590342.281	958185.130							
LINE			S 28°10'47.3" E	80.21	08°21'48.2"(RT)	10°25'02.7"	80.28	40.21	550.00
PC	590271.577	958223.009							
CURVE			S 23°59'53.2" E	337.60					
PT	589963.164	958360.311							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	590213.697	957440.454							
LINE			N 73°05'18.9" W	96.03					
PC	590241.632	957346.575							
CURVE			N 25°02'43.3" W	58.82	96°05'11.2"(RT)	144°52'09.2"	66.33	43.99	39.55
PT	590294.924	957323.673							
LINE			N 22°59'52.3" E	119.17					
POT	590404.624	957370.233							

EY3 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	589961.555	958365.783							
LINE			S 26°37'00.5" W	35.08					
PC	589930.192	958350.066							
CURVE			S 29°27'37.3" W	99.22	05°41'13.6"(RT)	05°43'46.5"	99.26	49.67	1000.00
PT	589843.803	958301.269							
LINE			S 32°18'14.1" W	126.44					
PC	589736.931	958233.697							
CURVE			S 30°46'47.3" W	26.60	03°02'53.7"(LT)	11°27'33.0"	26.60	13.30	500.00
PT	589714.080	958220.086							
LINE			S 29°15'20.4" W	83.87					
POT	589640.904	958179.096							

EY5 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	589954.720	959429.459							
LINE			N 36°12'10.5" W	83.73					
PC	590022.283	959380.005							
CURVE			N 34°54'15.1" W	90.66	02°35'50.8"(RT)	02°51'53.2"	90.67	45.34	2000.00
PT	590096.634	959328.129							
LINE			N 33°36'19.7" W	101.45					
POT	590181.128	959271.980							

EY6 POINT	N	E	BEARING	DIST
POT	590181.168	959815.615		
LINE			S 12°28'34.4" W	212.62
POT	589973.566	959769.682		

EY7 POINT	N	E	BEARING	DIST
POT	589544.449	960373.146		
LINE			N 18°21'18.3" E	241.33
POT	589773.505	960449.143		

EY8 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	589276.923	960923.227							
LINE			N 43°43'52.9" E	63.85					
PC	589323.061	960967.366							
CURVE			N 29°03'50.6" E	121.54	29°20'04.5"(LT)	23°52'23.7"	122.88	62.82	240.00
PT	589429.295	961026.408							
LINE			N 14°23'48.4" E	161.11					
POT	589585.344	961066.465							

EY9 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	589480.407	961466.489							
LINE			S 04°36'53.0" W	73.89					
PC	589406.756	961460.544							
CURVE			S 00°44'27.1" W	60.80	07°44'51.9"(LT)	12°43'56.6"	60.85	30.47	450.00
PT	589345.957	961459.758							
LINE			S 03°07'58.9" E	103.14					
POT	589242.969	961465.395							

EY10 POINT	N	E	BEARING	DIST
POT	589650.060	961519.709		
LINE			S 06°46'10.5" E	162.40
POT	589488.794	961538.852		

EY11 POINT	N	E	BEARING	DIST
POT	589759.676	962144.640		
LINE			N 24°58'30.4" W	202.53
POT	589943.265	962059.128		

EY12 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	589867.871	962381.696							
LINE			S 18°44'44.8" E	310.23					
PC	589574.097	962481.394							
CURVE			S 23°42'26.8" E	166.06	09°55'23.9"(LT)	05°58'05.9"	166.27	83.34	960.00
PT	589422.052	962548.161							
LINE			S 28°40'08.8" E	47.86					
PC	589380.063	962571.120							
CURVE			S 22°41'21.3" E	135.43	11°57'34.8"(RT)	08°48'53.0"	135.68	68.09	650.00
PT	589255.112	962623.361							
LINE			S 16°42'33.9" E	196.92					
POT	589066.511	962679.978							

EY13 POINT	N	E	BEARING	DIST
POT	590436.402	962182.420		
LINE			S 19°10'48.9" E	602.48
POT	589867.370	962380.358		

NOTES:

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

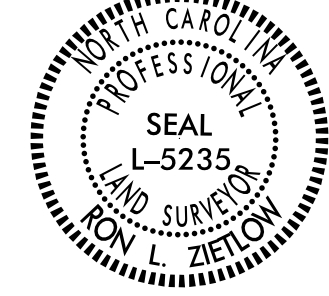
REVISIONS

RR POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	590327.266	956535.530							
CURVE			S 74°02'05.0" E	240.70	18°58'41.9"(L T)	07°50'55.5"	241.80	122.02	730.00
PCC	590261.061	956766.943							
CURVE			S 87°15'37.1" E	81.22	07°28'22.4"(L T)	09°11'41.4"	81.27	40.69	623.13
PT	590257.180	956848.065							
LINE			S 89°00'11.7" W	0.00					
PC	590257.180	956848.065							
CURVE			N 86°04'06.0" E	121.29	05°52'11.2"(L T)	04°50'13.9"	121.35	60.73	1184.48
PT	590265.496	956969.073							
LINE			N 83°08'00.4" E	148.15					
PC	590283.209	957116.162							
CURVE			N 85°22'33.3" E	76.98	04°29'05.8"(RT)	05°49'29.0"	77.00	38.52	983.67
PT	590289.415	957192.890							
LINE			S 87°37'06.2" W	0.00					
PC	590289.415	957192.890							
CURVE			N 89°00'48.5" E	28.85	02°47'24.6"(RT)	09°40'15.6"	28.85	14.43	592.45
PT	590289.911	957221.734							
LINE			S 89°35'29.2" E	0.00					
PC	590289.911	957221.734							
CURVE			S 87°14'21.2" E	60.85	04°42'16.0"(RT)	07°43'46.4"	60.86	30.45	741.25
PT	590286.981	957282.510							
LINE			N 84°53'13.2" W	0.00					
PC	590286.981	957282.507							
CURVE			S 84°18'57.7" E	30.28	01°08'31.0"(RT)	03°46'18.0"	30.28	15.14	1519.11
PT	590283.982	957312.635							
LINE			N 83°44'42.2" W	0.00					
PC	590283.982	957312.632							
CURVE			S 82°24'49.3" E	8.12	02°39'45.7"(RT)	32°47'49.6"	8.12	4.06	174.70
PCC	590282.911	957320.679							
CURVE			S 79°29'03.0" E	53.63	03°11'47.0"(RT)	05°57'32.6"	53.64	26.83	961.49
PT	590273.122	957373.411							
LINE			N 77°53'09.4" W	2.29					
PC	590273.603	957371.172							
CURVE			S 73°05'55.7" E	122.84	09°34'27.4"(RT)	07°47'05.1"	122.99	61.64	736.00
PT	590237.889	957488.711							
LINE			N 68°18'42.0" W	0.02					
PC	590237.896	957488.695							
CURVE			S 65°58'19.7" E	96.68	04°40'44.6"(RT)	04°50'17.4"	96.71	48.38	1184.24
PT	590198.528	957577.002							
LINE			S 63°37'57.4" E	545.05					
PC	589956.458	958065.345							
CURVE			S 63°41'45.3" E	11.05	00°07'35.7"(L T)	01°08'45.3"	11.05	5.52	5000.00
PT	589951.563	958075.248							
LINE			S 63°45'33.1" E	250.03					
POT	589841.016	958299.507							
LINE			S 63°45'33.1" E	230.15					
PC	589739.256	958505.938							
CURVE			S 62°29'56.7" E	134.62	02°31'12.8"(RT)	01°52'19.3"	134.63	67.32	3060.64
PT	589677.096	958625.342							
LINE			S 61°14'20.3" E	0.00					
PC	589677.095	958625.343							
CURVE			S 58°43'23.9" E	85.78	05°01'52.8"(RT)	05°51'49.4"	85.80	42.93	977.12
PT	589632.562	958698.654							
LINE			N 56°12'27.5" W	0.00					
PC	589632.563	958698.654							
CURVE			S 55°05'02.4" E	40.42	02°14'50.2"(RT)	05°33'35.9"	40.42	20.21	1030.50
PT	589609.429	958731.795							
LINE			N 53°57'37.3" W	0.00					
PC	589609.430	958731.794							
CURVE			S 47°06'24.2" E	206.45	13°42'26.3"(RT)	05°37'25.6"	206.94	103.97	865.00
PT	589468.914	958883.042							
LINE			S 40°15'11.0" E	0.00					
PC	589468.914	958883.042							
CURVE			S 38°57'04.9" E	83.59	02°36'12.2"(RT)	03°06'50.9"	83.60	41.81	1839.87
PT	589403.906	958935.593							
LINE			S 37°38'58.8" E	147.49					
PC	589287.130	959025.684							
CURVE			S 47°41'11.4" E	974.58	20°04'25.2"(L T)	02°02'57.1"	979.58	494.86	2796.00
PT	588631.056	959746.360							
LINE			S 57°43'24.0" E	2.85					
PC	588629.533	959748.771							
CURVE			S 58°56'20.7" E	178.23	02°25'53.5"(L T)	01°21'51.1"	178.24	89.13	4200.00
PT	588537.577	959901.443							
LINE			S 60°09'17.5" E	187.11					
POT	588444.463	960063.734							

NOTES:

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

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5783	RW02D-1
Location and Surveys	
MATTERN AND CRAIG ENGINEERS & SURVEYORS 12 BROAD STREET ASHEVILLE NORTH CAROLINA 28801 (828) 254-2201 FAX (828) 254-4562 NC LIC. NO. C-1154	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, R.L. Zietlow, 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 29th day of March, 2024.

DocuSigned by:

 54E55C84005472
 Professional Land Surveyor L-5235

-L- BREVARD RD. (US HWY 64)

TYPE	STATION	NORTH	EAST
POT	10+00.00	590573.0748	956985.1317
PC	12+54.41	590474.6897	957219.7532
PT	15+21.28	590357.7517	957459.4767
PC	18+96.32	590174.4611	957786.6777
PT	22+48.23	590037.0422	958109.8901
PC	26+11.68	589931.9288	958457.8118
PT	32+11.35	589892.5700	959051.0365
PC	37+13.13	589972.9575	959546.3337
PT	40+37.53	589951.2517	959867.1812
PC	55+32.23	589515.2569	961296.8857
PT	59+31.29	589543.8976	961685.8672
PC	66+34.21	589845.2002	962320.9380
PT	71+94.18	589858.8491	962864.5824
POT	75+04.43	589740.0944	963151.2092

-Y4- SHOPPING CENTER PRIVATE ENTRANCE

TYPE	STATION	NORTH	EAST
POT	10+00.00	590129.3048	958948.4806
POT	12+48.36	589881.4896	958964.9562

-Y5- PISGAH DR. (SR 1302)

TYPE	STATION	NORTH	EAST
PC	10+00.00	590197.0824	959261.3777
PRC	10+92.80	590123.9904	959318.4088
PT	12+32.30	590011.0502	959399.7749
POT	12+97.30	589954.3206	959431.5045

-Y6- CHRYSTAL DR. (SR 1447)

TYPE	STATION	NORTH	EAST
POT	10+00.00	590181.1675	959815.6155
POT	12+12.62	589973.5665	959769.6818

-Y10- RHODES PARK DR. (SR 1301)

TYPE	STATION	NORTH	EAST
POT	10+00.00	589650.0605	961519.7090
POT	11+52.88	589498.2418	961537.7305

-Y7- GLASGOW LN. (SR 1185)

TYPE	STATION	NORTH	EAST
POT	10+00.00	589773.1921	960451.0702
POT	10+47.00	589728.7028	960435.9144
POT	12+41.65	589544.4485	960373.1461
POT	13+07.67	589481.9545	960351.8568

-Y11- OAK TERRACE RD. (SR 1300)

TYPE	STATION	NORTH	EAST
POT	10+00.00	589942.5152	962059.4774
POT	11+00.00	589851.8660	962101.6998
POT	12+00.00	589761.2169	962143.9223

-Y1- WINDSOR DR. (SR 1186)

TYPE	STATION	NORTH	EAST
POT	10+00.00	590404.6649	957371.3939
PC	11+51.86	590514.3646	957476.4018
PT	14+36.69	590577.8329	957738.5029
PC	16+78.06	590499.1419	957966.6851
PT	17+67.89	590459.3390	958046.9385
PC	18+43.61	590417.2889	958109.9129
PT	19+98.82	590300.5814	958209.1969
PC	21+15.46	590194.4518	958257.5820
PT	22+60.12	590053.1608	958277.2658
POT	23+24.61	589989.4041	958267.5707

-Y8- BROADWAY ST. (SR 1180)

TYPE	STATION	NORTH	EAST
POT	10+00.00	589585.3442	961066.4647
PC	11+58.43	589431.8876	961027.0928
PT	12+86.45	589321.1977	960965.5832
POT	13+47.73	589276.9233	960923.2273

-Y12- BLYTHE ST. (SR 1180)

TYPE	STATION	NORTH	EAST
POT	7+60.00	590664.9674	962109.0615
PC	9+00.00	590531.9555	962152.7401
PRC	12+72.87	590178.7476	962272.2111
PT	16+00.54	589865.8390	962369.2437

-Y2- WHITE PINE DR. (SR 1173)

TYPE	STATION	NORTH	EAST
POT	10+00.00	590404.6649	957371.3939
PC	10+62.05	590347.9631	957346.1982
PRC	12+15.18	590225.1103	957402.9254
PT	12+87.54	590201.1430	957471.1713

-Y9- WESTBROOK RD. (SR 1182)

TYPE	STATION	NORTH	EAST
POT	10+00.00	589491.9304	961467.4194
PC	10+85.45	589406.7561	961460.5444
PT	11+46.30	589345.9569	961459.7582
POT	12+49.44	589242.9689	961465.3954

-Y13- BLYTHE ST. (SR 1180)

TYPE	STATION	NORTH	EAST
POT	10+00.00	589869.6776	962379.5557
PC	13+17.04	589569.9256	962482.8208
PT	14+78.90	589422.0518	962548.1612
PC	15+26.76	589380.0625	962571.1202
PT	16+62.43	589255.1116	962623.3608
POT	18+59.35	589066.5110	962679.9775

-Y3- DANIEL DR. (SR 1186)

TYPE	STATION	NORTH	EAST
POT	10+00.00	589989.4041	958267.5707
PC	11+98.15	589793.3270	958239.0061
PT	13+39.71	589660.4675	958192.6890
POT	13+63.65	589639.7624	958180.6623


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.

REVISIONS

I:\MAR-2024\12-45-Additional Services Survey\03-Design\03-Survey\05-CAD\U5783-1.s-rw02d-1.dgn
 12-45-2024 12:45
 R.L. Zietlow
 Professional Land Surveyor L-5235

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5783	RW03E-2
Location and Surveys	
MATTEN AND CRAIG ENGINEERS & SURVEYORS 12 BROAD STREET ASHEVILLE NORTH CAROLINA 28801 (828) 254-2201 FAX (828) 254-4562 NC LIC. NO. C-1154	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BREVARD RD (US HWY 64) ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	12+42.43	-39.81	590516.0377	957224.0962
L	15+32.91	-51.19	590396.7275	957494.6332
L	25+31.43	-65.38	590017.7213	958399.8981
L	25+34.83	58.50	589898.1538	958367.3301
L	25+61.26	-62.00	590005.8609	958427.4774
L	27+14.61	55.51	589851.8036	958545.5368
L	27+31.67	40.00	589863.3094	958566.0448
L	29+25.86	-59.07	589936.5239	958769.7679
L	29+29.94	-74.53	589951.7525	958774.4651
L	29+46.16	-54.51	589931.0401	958788.9525
L	29+50.36	-69.50	589945.8728	958793.5275
L	29+91.47	-40.00	589915.5412	958832.2929
L	30+02.03	121.23	589754.2902	958842.9047
L	30+12.52	40.00	589835.5922	958853.5253
L	30+17.18	133.44	589742.2229	958859.6193
L	30+30.12	49.15	589826.7548	958871.8762
L	30+47.22	58.38	589818.0567	958889.9379
L	30+55.13	40.00	589836.7513	958897.4121
L	31+56.03	89.32	589796.1664	959006.8581
L	31+61.41	66.26	589819.7483	959009.7344
L	31+74.16	94.23	589793.7319	959026.7094
L	31+79.78	71.46	589817.0906	959029.5741
L	34+78.15	73.45	589862.8124	959326.1514
L	35+85.70	110.13	589843.8356	959438.1900
L	35+86.47	98.72	589855.2195	959437.1225
L	36+05.65	111.48	589845.7029	959458.1026
L	36+06.49	99.03	589858.1255	959456.9377
L	36+47.27	91.19	589872.3955	959495.9276
L	36+79.05	-75.77	590042.2872	959500.5535
L	36+91.57	-40.00	590008.9867	959518.6430
L	36+98.58	-71.44	590041.1452	959520.5209
L	37+01.49	88.75	589883.4848	959549.0622
L	38+22.00	-54.00	590036.1063	959654.3013
L	38+22.00	-40.00	590022.1067	959654.4072
L	38+24.28	40.00	589942.1218	959657.1620
L	38+25.57	67.46	589914.6662	959658.4546
L	38+45.51	40.00	589941.9095	959677.1941
L	38+47.61	66.26	589915.6068	959678.4325
L	39+13.94	-72.58	590048.8967	959755.2586
L	39+67.31	63.99	589905.6303	959786.5845
L	39+72.30	-40.00	590006.5561	959812.1172
L	43+91.86	60.64	589789.8890	960188.4111
L	43+98.87	77.36	589771.8581	960190.2511
L	44+17.36	70.16	589773.3433	960210.0338
L	45+02.21	-111.62	589922.4763	960344.2181
L	45+17.77	-71.37	589879.4319	960347.3599
L	45+26.08	72.08	589739.7965	960313.4650
L	45+55.00	-85.00	589881.6121	960386.9444
L	46+45.00	-102.00	589871.6205	960477.9892
L	47+12.05	-103.77	589853.7544	960542.6443
L	47+99.40	72.87	589659.3180	960574.6649
L	49+79.75	81.54	589598.4176	960744.6422
L	49+82.46	67.52	589611.0336	960751.3249
L	49+99.38	85.34	589589.0558	960762.3158
L	50+02.72	68.09	589604.5832	960770.5407
L	50+10.00	-40.00	589705.8489	960809.0312
L	50+10.00	-70.00	589734.5443	960817.7820
L	50+30.00	-40.00	589700.0151	960828.1614
L	50+30.00	-70.00	589728.7104	960836.9122
L	50+90.00	40.00	589605.9925	960862.2167
L	50+90.00	75.00	589572.5146	960852.0075
L	51+10.00	40.00	589600.1587	960881.3470
L	51+10.00	75.00	589566.6808	960871.1377
L	52+51.93	62.69	589537.0511	961010.4885
L	52+61.40	64.51	589532.5559	961019.0132
L	55+73.07	55.61	589450.5674	961324.2017
L	55+77.71	74.11	589431.3796	961325.3175
L	55+90.34	49.06	589453.1393	961344.0860
L	55+94.81	69.09	589432.5407	961345.2838
L	56+74.19	-40.00	589532.0475	961437.8474
L	57+13.18	-76.07	589568.2021	961472.5285
L	57+36.37	-78.30	589571.6249	961492.2334
L	57+52.84	-69.13	589563.8850	961507.2804
L	57+53.02	-40.00	589534.9549	961510.7146
L	58+05.64	-79.78	589581.6946	961550.4823
L	58+48.06	-84.90	589595.5284	961584.0398
L	58+57.00	70.00	589450.0046	961637.8254
L	58+57.00	40.00	589478.6161	961628.8045
L	58+85.00	70.00	589460.2932	961667.7312
L	58+85.00	40.00	589488.3987	961657.2395
L	59+30.54	72.52	589478.0138	961716.1841
L	59+70.07	-134.12	589681.6950	961663.4130
L	59+90.50	-117.95	589675.8435	961688.8127
L	60+74.92	-40.00	589641.6026	961798.4873
L	60+98.69	-81.54	589689.3266	961802.1599

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MAG NAIL SET

BREVARD RD (US HWY 64) ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	61+05.14	-57.13	589670.0332	961818.4563
L	61+18.03	-86.65	589702.2321	961817.4389
L	61+24.51	-62.14	589682.8601	961833.8017
L	61+51.77	111.31	589537.8426	961932.7832
L	62+22.49	-60.65	589723.5159	961922.9668
L	62+37.76	-80.53	589748.0213	961928.2400
L	62+49.52	66.76	589619.9899	962001.9998
L	62+51.13	-73.13	589747.0646	961943.4964
L	62+51.13	-60.21	589735.4000	961949.0305
L	63+22.90	59.70	589657.8252	962065.2667
L	63+22.90	42.00	589673.8135	962057.6812
L	64+08.69	-57.82	589800.7726	962092.4035
L	64+68.73	-56.90	589825.6733	962147.0457
L	64+71.87	44.66	589735.2709	962193.4157
L	64+73.59	84.08	589700.3853	962211.8677
L	64+77.92	-56.77	589829.4988	962155.4050
L	64+91.80	48.04	589740.7514	962212.8695
L	64+93.39	83.22	589709.6544	962229.3880
L	66+02.85	-85.00	589908.5549	962256.1740
L	67+64.80	-97.03	589983.4212	962419.7907
L	68+00.12	54.73	589843.4415	962488.6946
L	68+01.75	-64.00	589960.2532	962467.4035
L	68+17.96	54.98	589846.1577	962504.8506
L	68+18.00	40.00	589860.9318	962502.3667
L	69+09.17	-72.54	589982.0169	962583.9263
L	69+09.42	-81.58	589991.0671	962583.9105
L	69+27.21	-71.40	589981.2579	962603.9263
L	69+27.25	-81.22	589991.0825	962603.9105
L	70+40.61	-72.41	589972.3726	962729.0346
L	71+93.31	-47.19	589902.7982	962881.7817
L	71+94.18	-40.00	589895.8029	962879.8930

NOT SET NO ACCESS

MAG NAIL SET
CHISEL X IN BRICK

WINDSOR DR. (SR 1186) ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+41.86	-30.00	590527.8902	957447.8199
Y1	11+78.80	83.24	590469.0917	957549.6366
Y1	16+18.61	-30.00	590546.8855	957920.2613
Y1	16+64.41	-71.89	590571.5585	957977.2195
Y1	16+99.88	-68.80	590554.9058	958013.5086
Y1	17+16.66	-30.68	590512.3053	958015.5410
Y1	18+42.45	37.46	590386.7795	958088.1476
Y1	20+29.26	30.04	590260.4159	958194.4932
Y1	21+59.95	53.89	590139.2184	958220.1336
Y1	22+57.73	-75.43	590044.9028	958352.2871

DANIEL DR. (SR 1186) ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	11+81.98	49.03	589816.3950	958192.8176

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y6	10+00.00	-34.12	590173.7974	959848.9255
Y6	10+00.00	-30.15	590174.6537	959845.0551

GLASGOW LN. (SR 1185) ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y7	11+03.83	-94.54	589644.4252	960507.0756
Y7	11+10.00	55.00	589686.8037	960363.5372
Y7	11+31.52	-84.10	589621.5796	960488.2677
Y7	11+43.33	-29.22	589627.4316	960438.2309
Y7	12+90.00	29.62	589508.2333	960329.5223

BROADWAY ST. (SR 1180) ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y8	10+79.29	29.99	589515.9926	961017.7053
Y8	10+61.39	-30.00	589518.4245	961080.2670

NOT SET FALLS IN HOUSE

WESTBROOK RD. (SR 1182) ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y9	10+67.14	-22.50	589423.1968	961484.4446
Y9	10+69.40	52.45	589426.9771	961409.5604
Y9	10+88.92	53.99	589407.2227	961406.4355
Y9	10+90.22	37.34	589404.6101	961422.9383
Y9	12+08.87	22.50	589282.2526	961440.7114
Y9	12+09.12	27.68	589281.7231	961435.5533

MAG NAIL SET

BLYTHE ST. (SR 1180) ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y12	8+60.82	30.00	590559.8234	962112.0127
Y12	8+90.00	65.00	590521.1770	962087.8647
Y12	12+15.00	65.00	590212.2235	962191.8135
Y12	12+82.64	-35.48	590181.1136	962308.9445
Y12	13+63.47	-64.68	590113.0082	962362.6674
Y12	13+63.92	-54.50	590109.4119	962353.1320
Y12	13+83.18	-65.75	590094.3435	962369.8528
Y12	13+83.58	-58.45	590091.7172	962363.0307
Y12	13+90.00	-50.00	590082.9459	962356.9716
Y12	13+90.00	-36.96	590078.9631	962344.5591
Y12	14+44.32	79.77	589992.3516	962249.4350
Y12	14+75.00	-55.00	590002.3748	962387.2706

BLYTHE ST. (SR 1180) ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y13	11+25.00			

Location and Surveys

MATTER AND CRAIG
ENGINEERS & SURVEYORS
12 BROAD STREET
ASHEVILLE NORTH CAROLINA 28801
(828) 254-2201
FAX (828) 254-4562
NC LIC. NO. C-1154

PROJECT SURVEYOR

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, R.L. Zietlow, 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 7/01/19 to 3/29/24, and all coordinates are based on NAD83/2011; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 29th day of March, 2024.

DocuSigned by:

R.L. Zietlow
Professional Land Surveyor L-5235

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED 7/01/19 TO 3/29/24.

-ROUND- CURVE DATA

PI Sta 10+64.10 Δ = 107° 29' 52.5" (RT) D = 121' 54" 21.3" L = 88.8' T = 64.0' R = 47.00'	PI Sta 11+23.37 Δ = 73° 38' 52.9" (RT) D = 121' 54" 21.3" L = 60.4' T = 35.9' R = 47.00'
PI Sta 11+92.86 Δ = 86° 33' 43.2" (RT) D = 121' 54" 21.3" L = 71.0' T = 44.26' R = 47.00'	PI Sta 12+68.52 Δ = 92° 17' 31.5" (RT) D = 121' 54" 21.3" L = 75.7' T = 48.92' R = 47.00'

-Y1- CURVE DATA

PI Sta 13+11.98 Δ = 65° 16' 44.8" (RT) D = 22° 55' 05.9" L = 284.83' T = 160.12' R = 250.00' SE = 04 RO = 73	PI Sta 17+23.22 Δ = 14° 42' 18.2" (RT) D = 16° 22' 12.8" L = 89.83' T = 45.16' R = 350.00'
PI Sta 19+23.26 Δ = 31° 45' 33.0" (RT) D = 20° 27' 46.0" L = 155.20' T = 79.65' R = 280.00'	

-DR5- CURVE DATA

PI Sta 11+70.56 Δ = 71° 50' 20.5" (RT) D = 114° 35' 29.6" L = 62.69' T = 36.22' R = 50.00' SE = 01 RO = 15	PI Sta 13+52.34 Δ = 12° 38' 34.2" (RT) D = 10° 13' 53.0" L = 123.57' T = 12.04' R = 560.00'	PI Sta 14+52.90 Δ = 3° 09' 22.1" (LT) D = 40° 55' 32.0" L = 76.13' T = 39.03' R = 140.00'
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-Y2- CURVE DATA

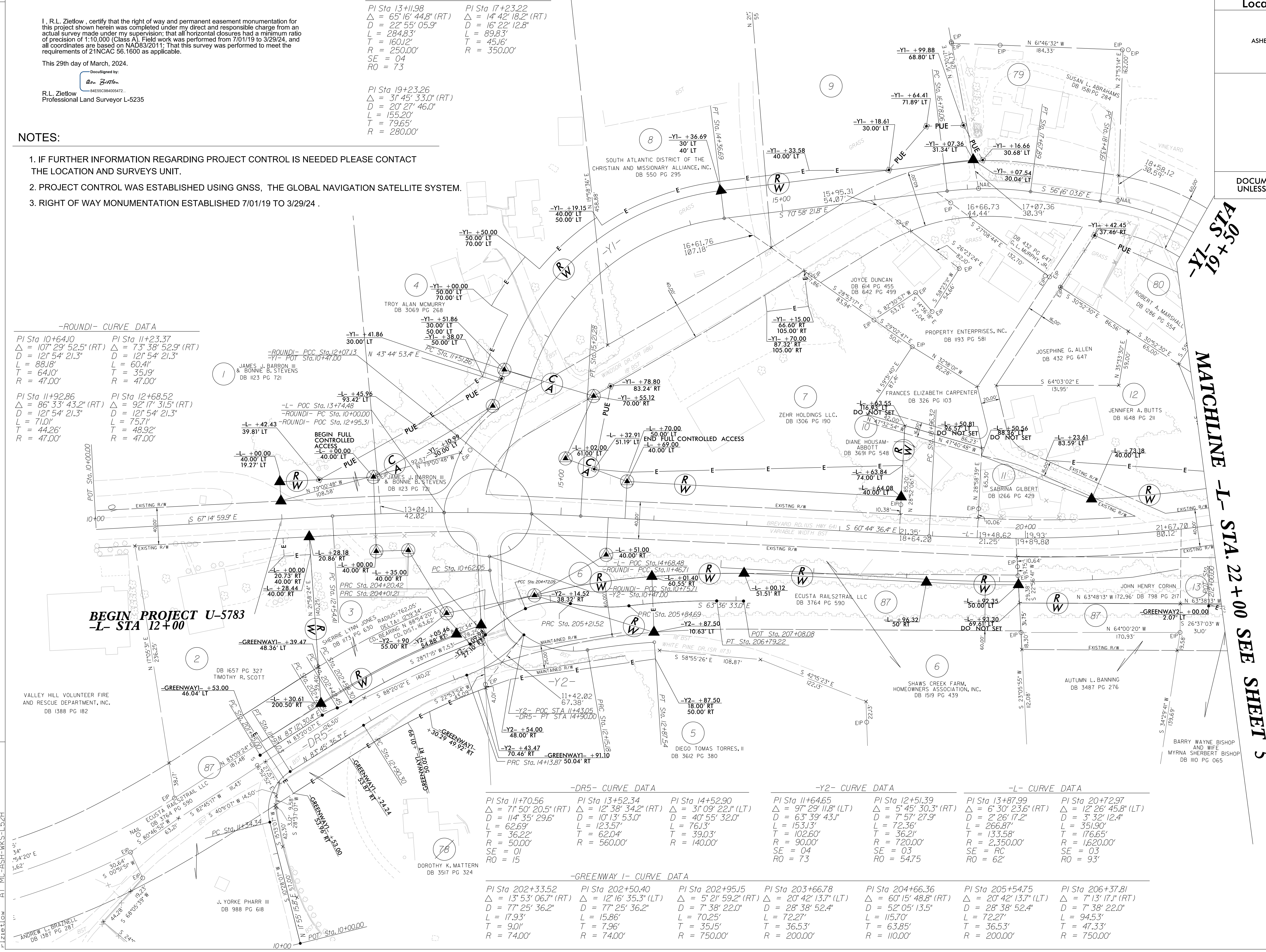
PI Sta 11+64.65 Δ = 97° 29' 11.8" (LT) D = 63° 39' 43.1" L = 153.13' T = 102.60' R = 90.00' SE = 04 RO = 73	PI Sta 12+51.39 Δ = 5° 45' 30.3" (RT) D = 7° 57' 27.9" L = 72.36' T = 36.21' R = 720.00' SE = 03 RO = 54.75
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-L- CURVE DATA

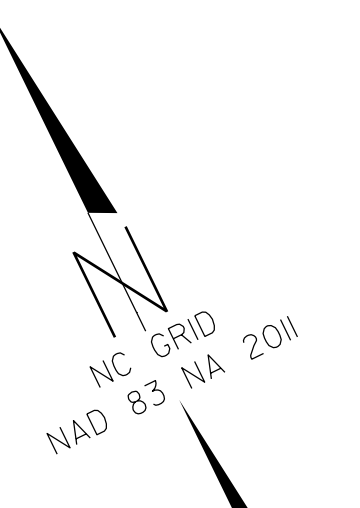
PI Sta 13+87.99 Δ = 6° 30' 23.6" (RT) D = 2° 26' 17.2" L = 266.87' T = 133.58' R = 2,350.00' SE = RC RO = 62	PI Sta 20+72.97 Δ = 12° 26' 45.8" (LT) D = 3° 32' 12.4" L = 351.90' T = 176.65' R = 1,620.00' SE = 03 RO = 93
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-GREENWAY I- CURVE DATA

PI Sta 202+33.52 Δ = 13° 53' 06.7" (RT) D = 77° 25' 36.2" L = 17.93' T = 9.01' R = 74.00'	PI Sta 202+50.40 Δ = 12° 16' 35.3" (LT) D = 77° 25' 36.2" L = 15.86' T = 7.96' R = 74.00'	PI Sta 202+95.15 Δ = 5° 21' 59.2" (RT) D = 7° 38' 22.0" L = 70.25' T = 35.15' R = 750.00'	PI Sta 203+66.78 Δ = 20° 42' 13.7" (LT) D = 28° 38' 52.4" L = 72.27' T = 36.53' R = 200.00'	PI Sta 204+66.36 Δ = 60° 15' 48.8" (RT) D = 52° 05' 13.5" L = 115.70' T = 63.85' R = 110.00'	PI Sta 205+54.75 Δ = 20° 42' 13.7" (LT) D = 28° 38' 52.4" L = 72.27' T = 36.53' R = 200.00'	PI Sta 206+37.81 Δ = 7° 13' 17.1" (RT) D = 7° 38' 22.0" L = 94.53' T = 47.33' R = 750.00'
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MATCHLINE -L- STA 22+00 SEE SHEET 5



REVISIONS


I:\MAR_2024\11839 - Additional Services Survey\03-Design\03-Survey\05-CAD\U5783-1s.rw-04.dgn
 11/15/2024 11:33 AM
 R.L. Zietlow

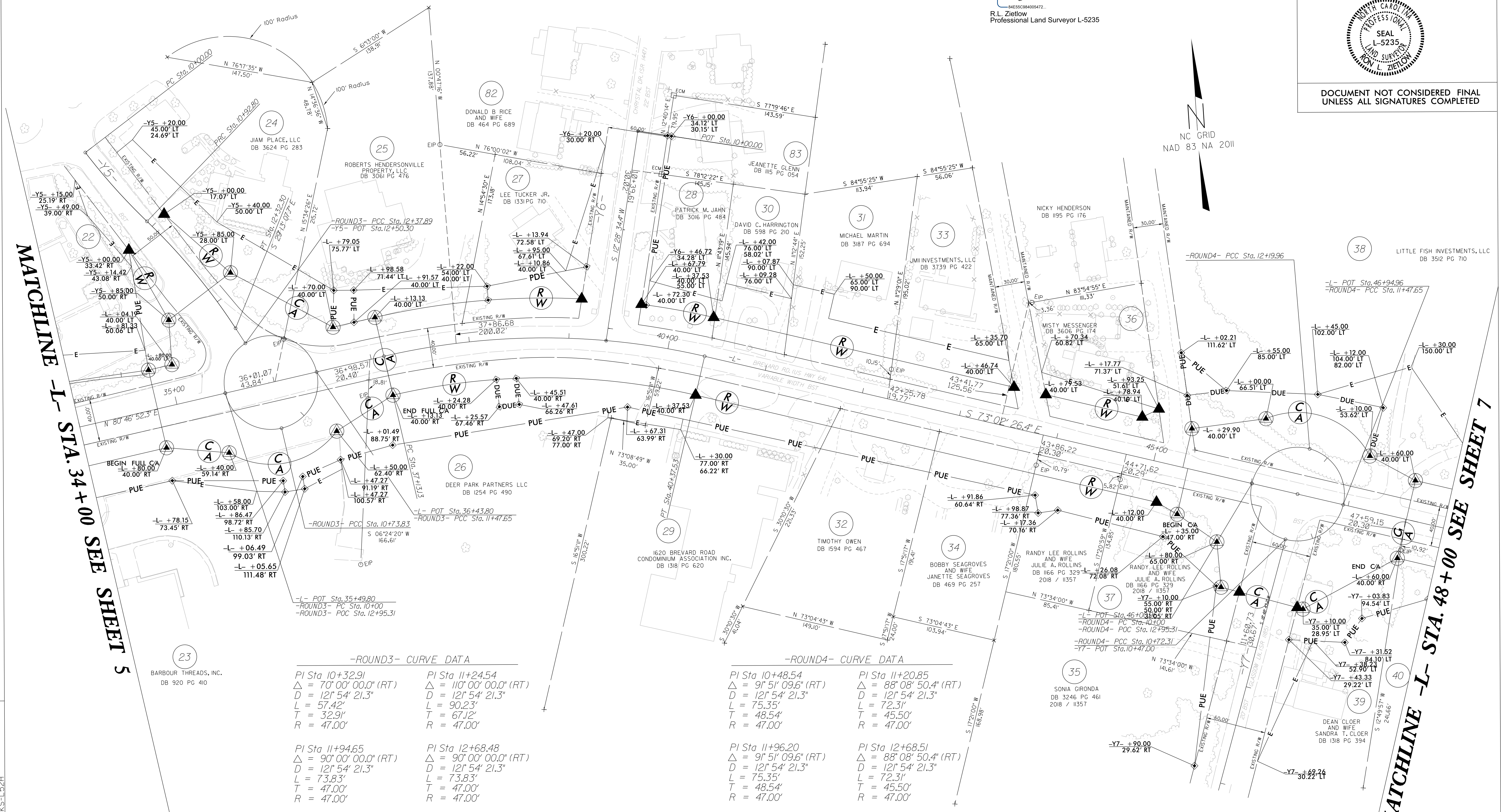
PROJECT REFERENCE NO.	SHEET NO.
U-5783	RW06
Location and Surveys	
MATTERN AND CRAIG ENGINEERS & SURVEYORS 12 BROAD STREET ASHEVILLE NORTH CAROLINA 28801 (828) 254-2201 FAX (828) 254-4562 NC LIC. NO. C-1154	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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 7/01/19 TO 3/29/24 .

I, R.L. Zietlow, 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 7/01/19 to 3/29/24, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 29th day of April, 2024.
 Documented by:

 R.L. Zietlow
 Professional Land Surveyor L-5235



MATCHLINE -L- STA. 34+00 SEE SHEET 5

MATCHLINE -L- STA. 48+00 SEE SHEET 7

-ROUND3- CURVE DATA

PI Sta 10+32.91 Δ = 70° 00' 00.0" (RT) D = 121' 54" 21.3" L = 57.42' T = 32.91' R = 47.00'	PI Sta 11+24.54 Δ = 110° 00' 00.0" (RT) D = 121' 54" 21.3" L = 90.23' T = 67.12' R = 47.00'
PI Sta 11+94.65 Δ = 90° 00' 00.0" (RT) D = 121' 54" 21.3" L = 73.83' T = 47.00' R = 47.00'	PI Sta 12+68.48 Δ = 90° 00' 00.0" (RT) D = 121' 54" 21.3" L = 73.83' T = 47.00' R = 47.00'

-ROUND4- CURVE DATA

PI Sta 10+48.54 Δ = 91° 51' 09.6" (RT) D = 121' 54" 21.3" L = 75.35' T = 48.54' R = 47.00'	PI Sta 11+20.85 Δ = 88° 08' 50.4" (RT) D = 121' 54" 21.3" L = 72.31' T = 45.50' R = 47.00'
PI Sta 11+96.20 Δ = 91° 51' 09.6" (RT) D = 121' 54" 21.3" L = 75.35' T = 48.54' R = 47.00'	PI Sta 12+68.51 Δ = 88° 08' 50.4" (RT) D = 121' 54" 21.3" L = 72.31' T = 45.50' R = 47.00'

-Y5- CURVE DATA

PI Sta 10+46.49 Δ = 8° 42' 58.8" (LT) D = 9° 23' 33.9" L = 92.80' T = 46.49' R = 610.00' SE = 03 RO = 30'	PI Sta 11+62.85 Δ = 13° 06' 10.8" (RT) D = 9° 23' 33.9" L = 139.50' T = 70.06' R = 610.00' SE = 036 RO = 62.1'
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-L- CURVE DATA

PI Sta 38+78.21 Δ = 26° 10' 41.3" (RT) D = 8° 04' 11.4" L = 324.40' T = 165.08' R = 710.00' SE = 04 RO = 124'
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REVISIONS

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 05 JUN 2024 10:59
 R.L. Zietlow
 Professional Land Surveyor L-5235

