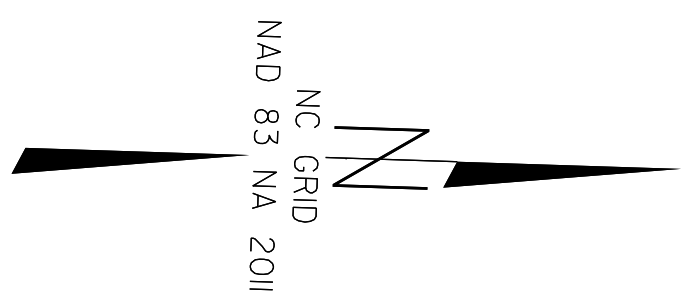


6/2/19

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



PROJECT REFERENCE NO. U-5839	SHEET NO. RW02C-1
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR Brian Barrott	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SEE SHEETS RW02C-8
THROUGH RW02C-11
FOR FURTHER
ALIGNMENT DETAILS



MATCHLINE SHEET RW02C-2

NOTES:

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MATCHLINE SHEET RW02C-2

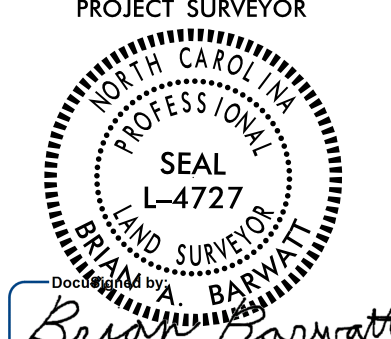
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REVISIONS

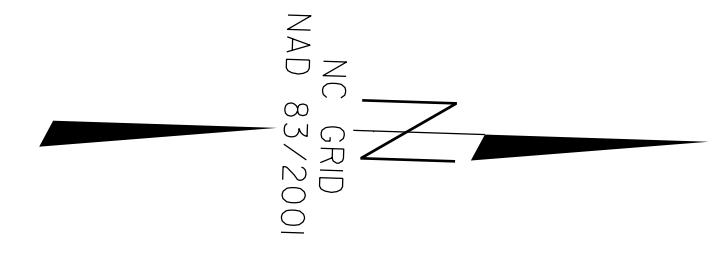
6/2/09

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5839	SHEET NO. RW02C-2
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS



NOTES:

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**SEE SHEETS RW02C-8
THROUGH RW02C-11
FOR FURTHER
ALIGNMENT DETAILS**

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 bobbarwatt AT LS-317902

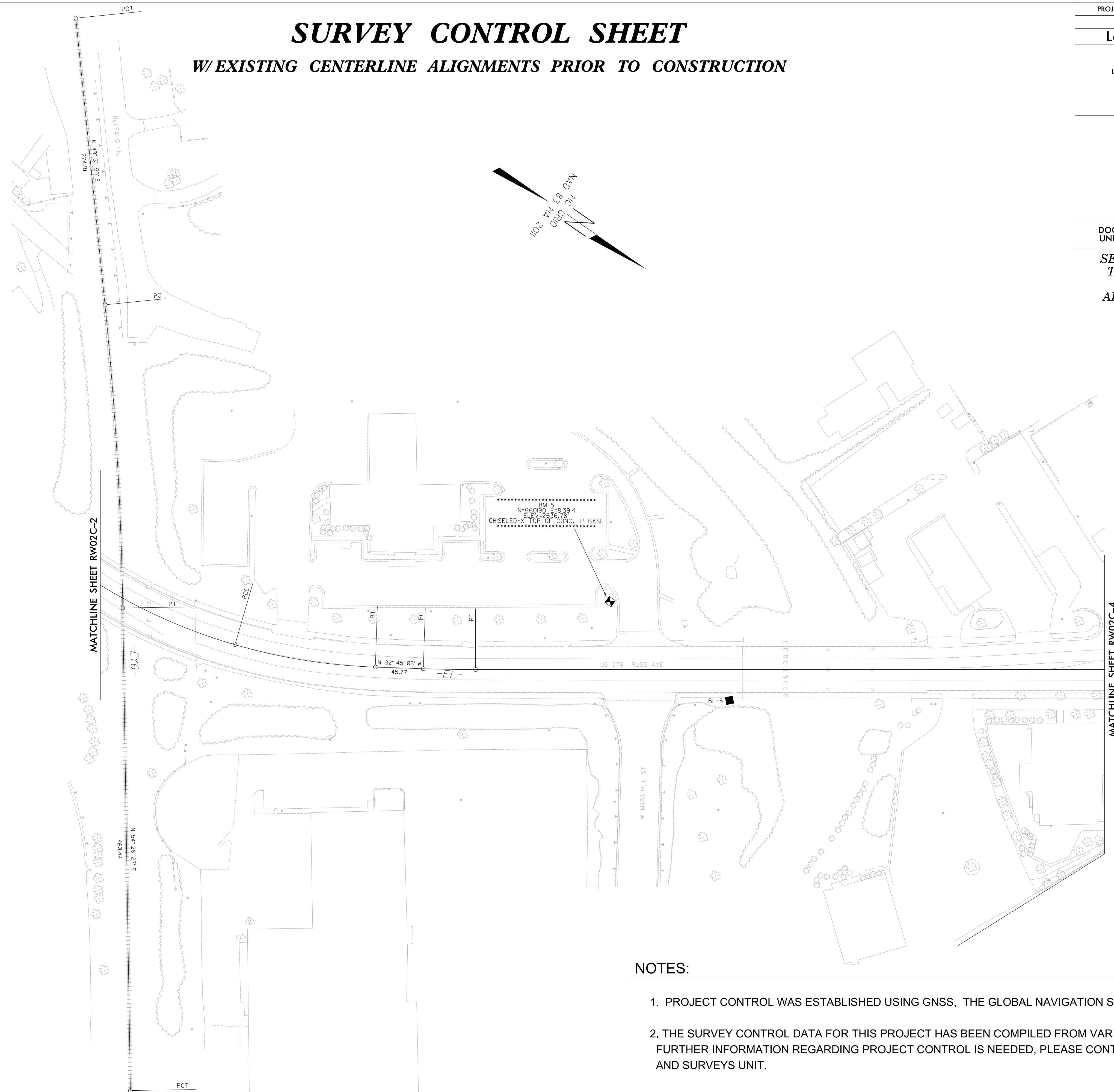
BM-3
 N=658796 E=814715
 ELEV=2656.62'
 RR SPIKE IN BASE OF 24" OAK

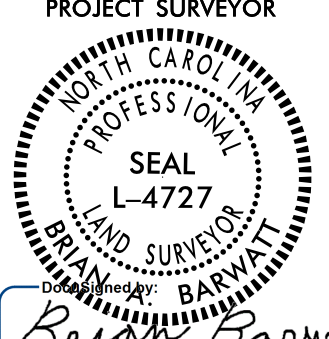
BM-4
 N=659831 E=814943
 ELEV=2642.04'
 CHISELED-X TOP OF CONC. LP. BASE

REVISIONS

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



PROJECT REFERENCE NO. U-5839	SHEET NO. RW02C-3
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR  <i>Brian Barwatt</i>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

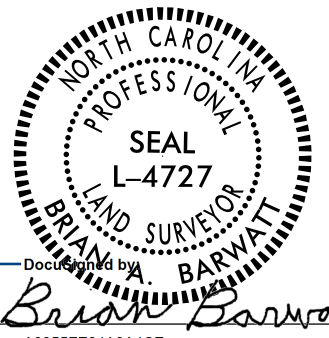
**SEE SHEETS RW02C-8
THROUGH RW02C-11
FOR FURTHER
ALIGNMENT DETAILS**

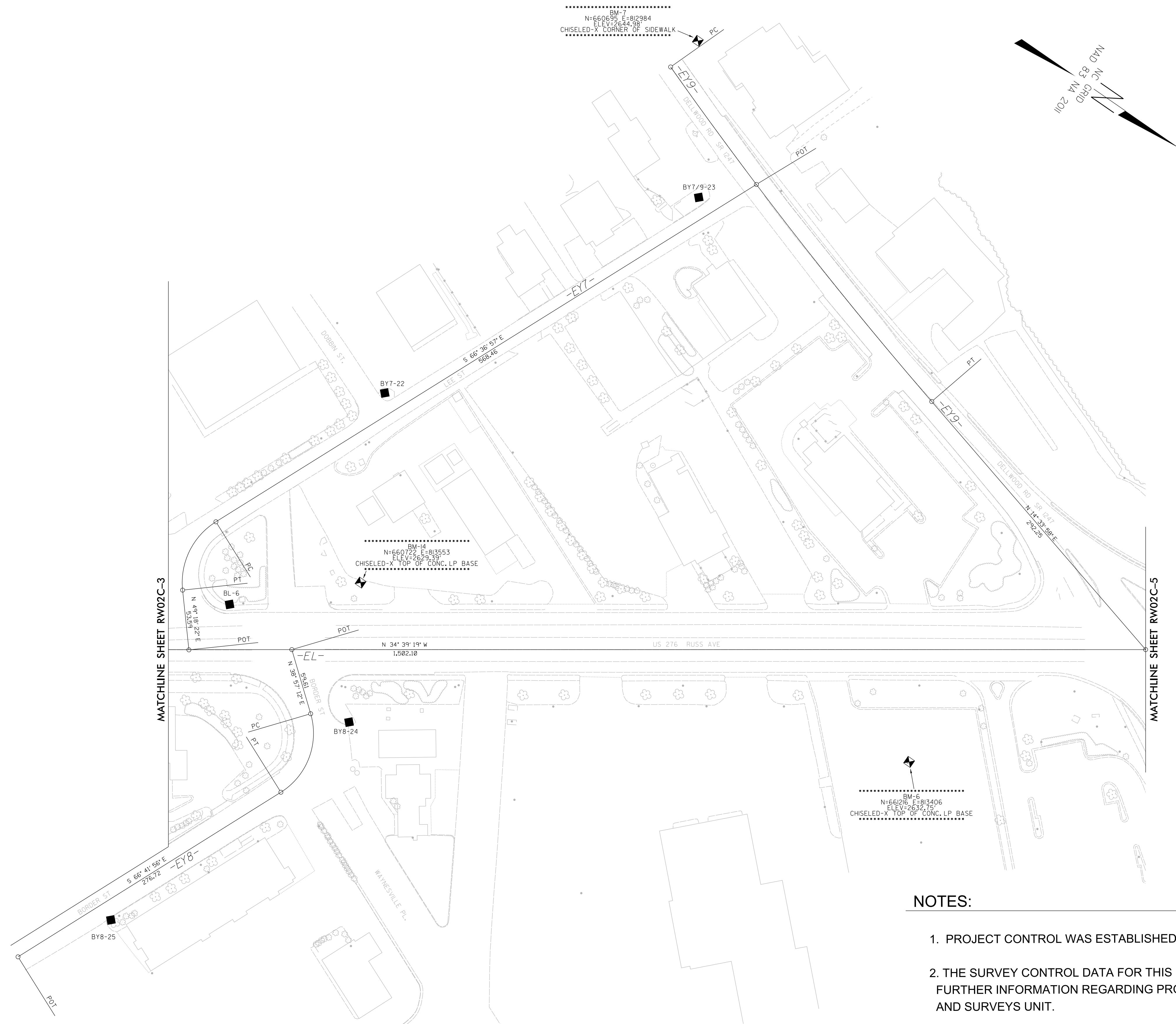
NOTES:

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

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5839	SHEET NO. RW02C-4
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR  BRADLY BARWATT	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

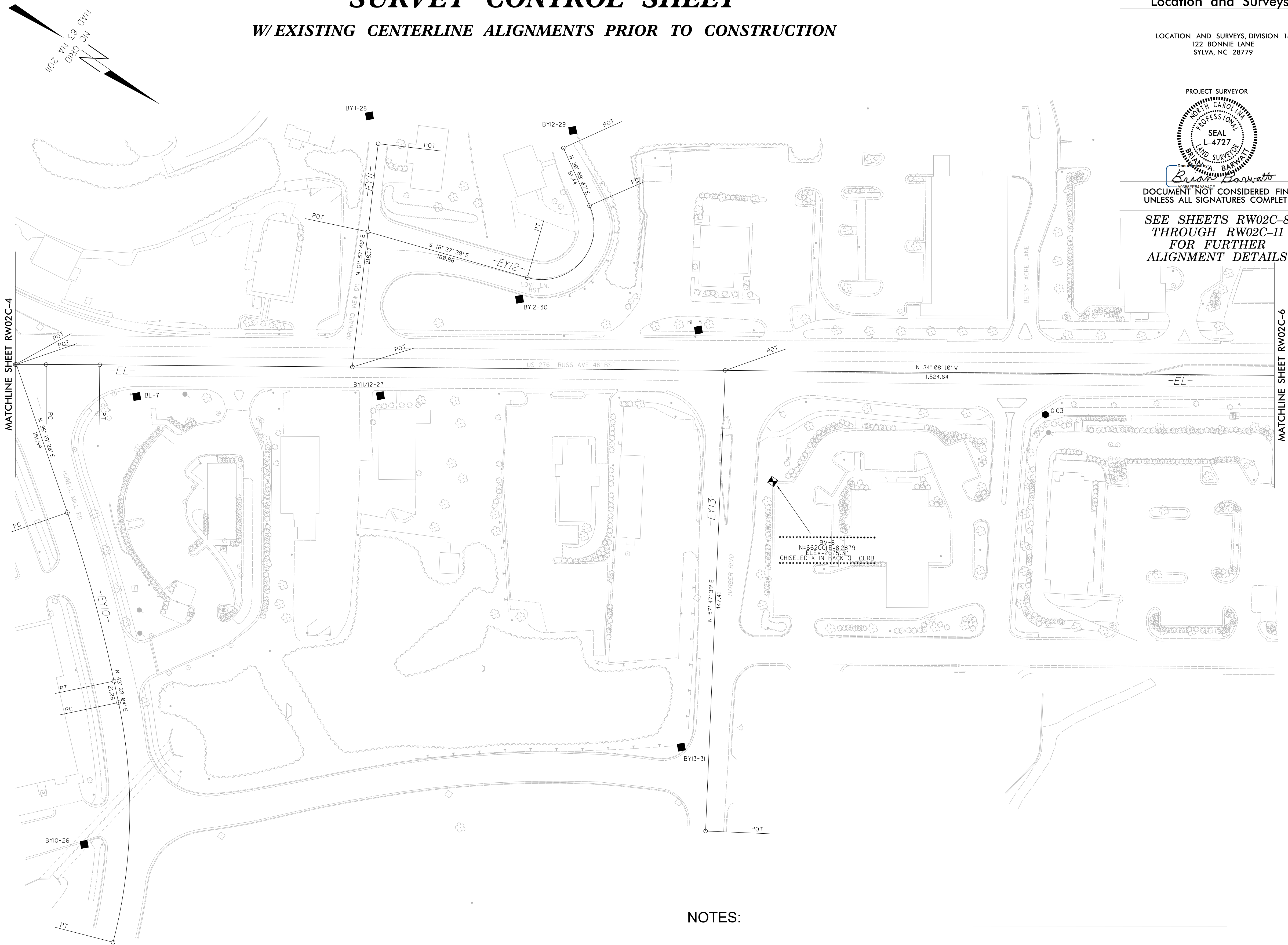


NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



PROJECT REFERENCE NO. U-5839	SHEET NO. RW02C-5
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR NORTH CAROLINA PROFESSIONAL SURVEYORS SEAL L-4727 <i>Brusk Barrett</i>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**SEE SHEETS RW02C-8
THROUGH RW02C-11
FOR FURTHER
ALIGNMENT DETAILS**

REVISIONS

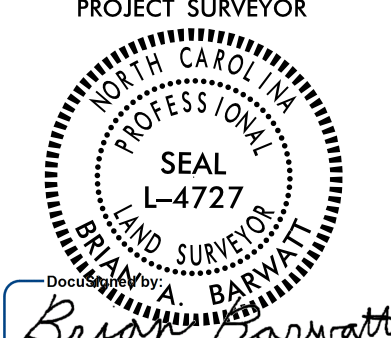
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 bobbarwatt AT LS-317902

NOTES:

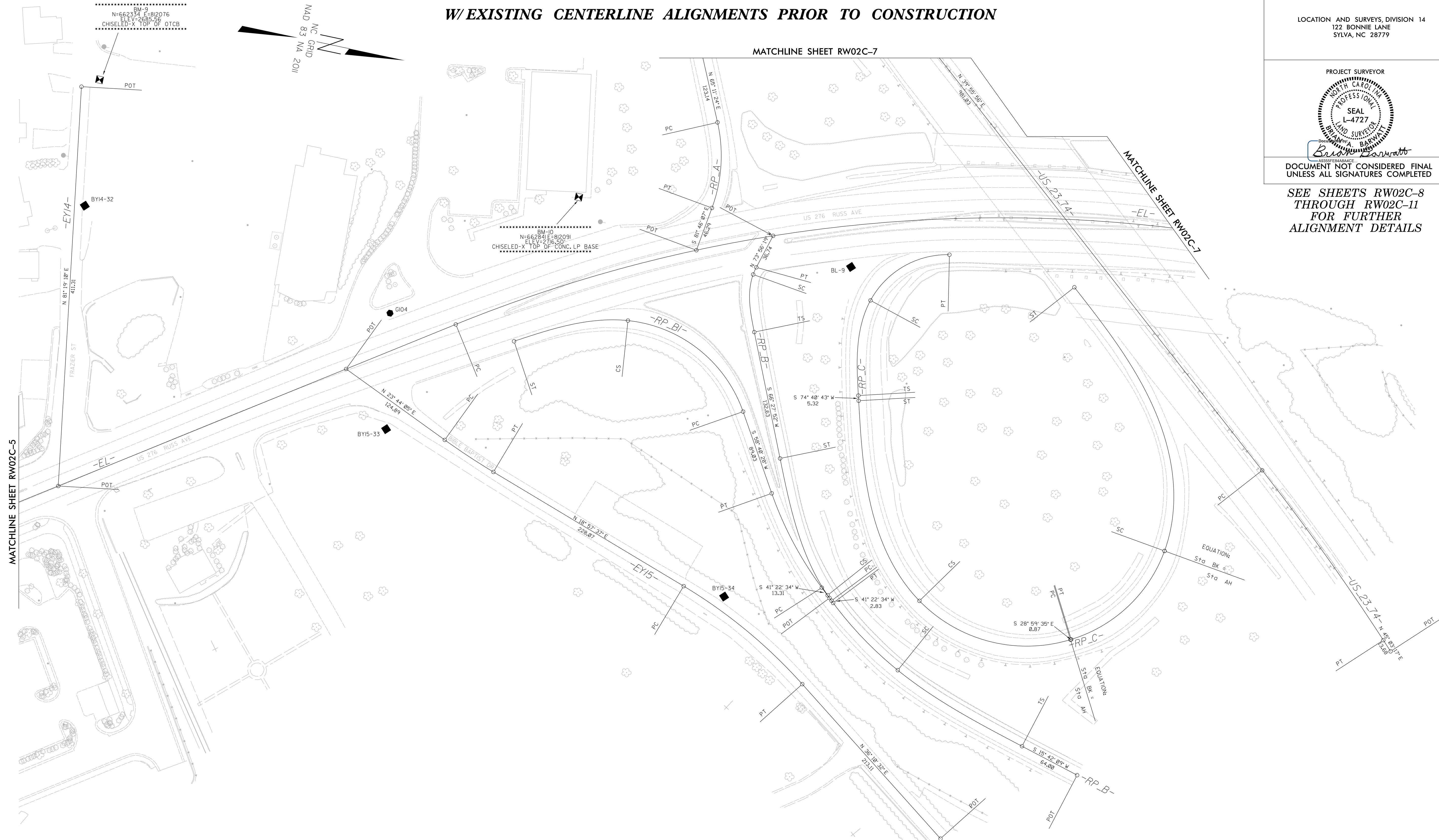
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5839	SHEET NO. RW02C-6
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR  BROOKS BARLETT PROFESSIONAL SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SEE SHEETS RW02C-8
THROUGH RW02C-11
FOR FURTHER
ALIGNMENT DETAILS



NOTES:

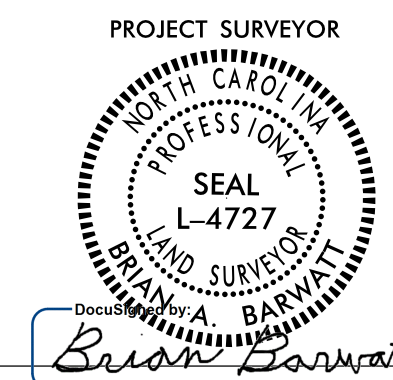
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

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Location and Surveys

LOCATION AND SURVEYS, DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779



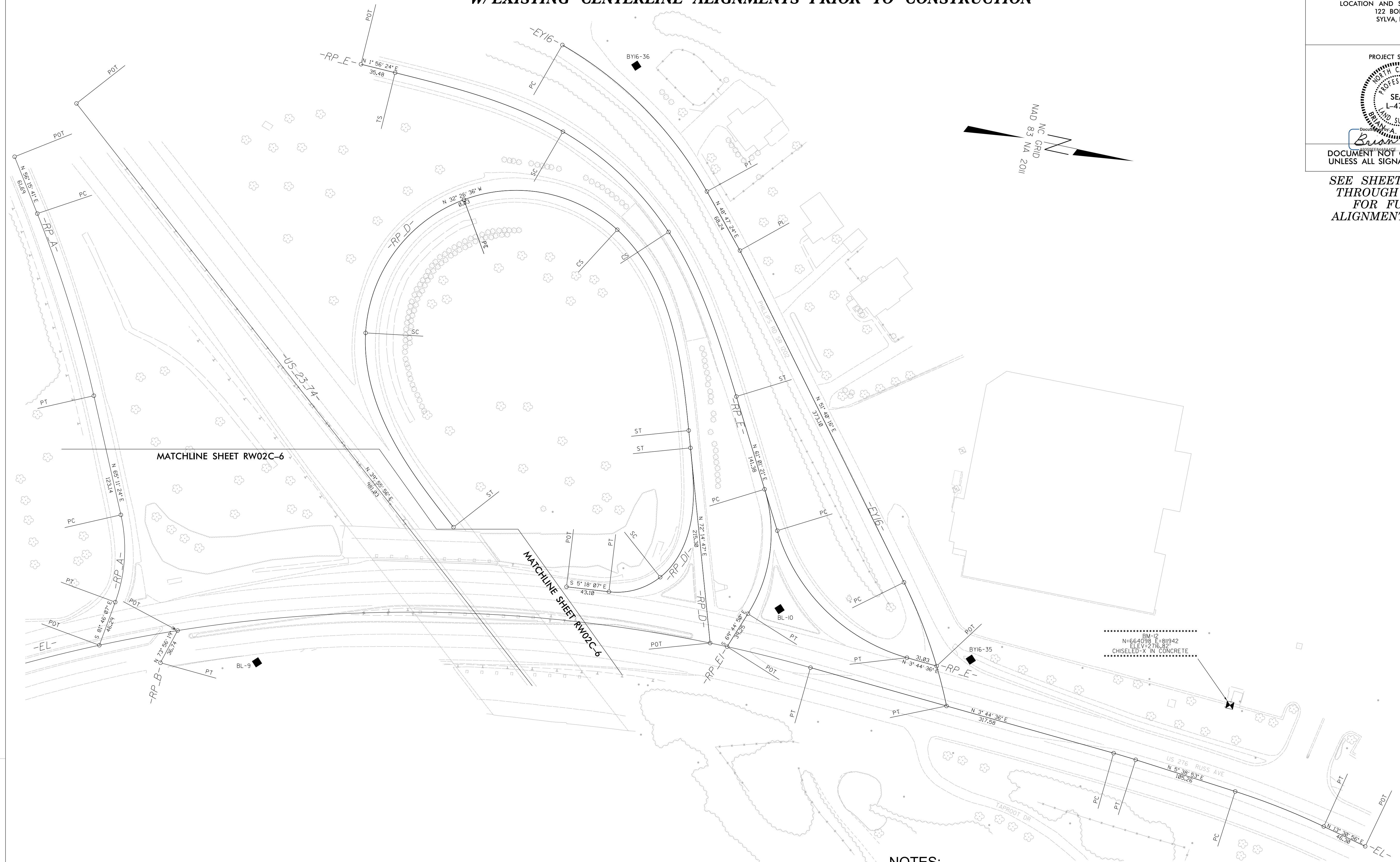
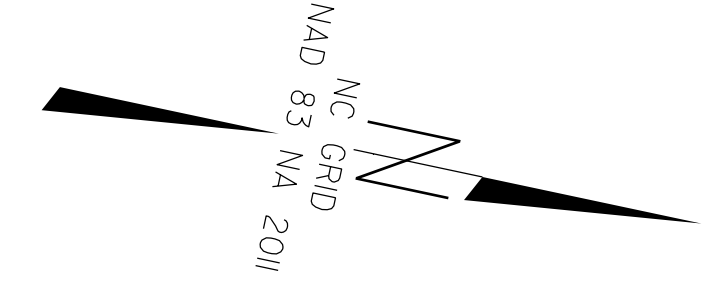
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SEE SHEETS RW02C-8
THROUGH RW02C-11
FOR FURTHER
ALIGNMENT DETAILS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BM-1
N=663280 E=811353
ELEV=2758.35'
RR SPIKE IN BASE OF 28' PINE



REVISIONS

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 babar-watt AT LS-317902

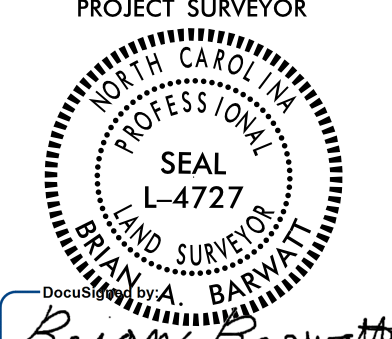
NOTES:

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BL-11

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-5839	RW02C-8
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BL	POINT	DESC.	NORTH	EAST	ELEVATION
102		G102	658396.5890	814126.4260	2697.91
3		BL-3	659127.3250	814015.3630	2657.83
4		BL-4	659731.4750	814225.7210	2657.86
5		BL-5	660337.4990	813927.1910	2627.75
6		BL-6	660637.0760	813635.3310	2625.57
7		BL-7	661447.0000	813162.2310	2649.64
8		BL-8	661858.5950	812799.2390	2671.51
103		G103	662182.2500	812675.3740	2671.53
104		G104	662676.1110	812248.4200	2695.24
9		BL-9	663129.8150	812103.3120	2724.07
10		BL-10	663634.0470	811941.2440	2734.37
11		BL-11	664404.5140	812048.5640	2702.30
105		G105	665253.1820	812764.9730	2669.61
106		G106	665649.0260	813164.4950	2670.61

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
12		BY1-12	658122.3280	813652.1340	2716.26
EQ102		G102	658396.5890	814126.4260	2697.91
101		G101	658367.8250	814621.1980	2656.37

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
EQ3		BL-3	659127.3250	814015.3630	2657.83
13		BY2-13	659005.0600	813962.4260	2657.71
14		BY2-14	658843.9260	814388.6070	2669.18
15		BY2-15	658769.2210	814682.9290	2658.62

BY2A	POINT	DESC.	NORTH	EAST	ELEVATION
16		BY2A-16	659086.7370	813464.3270	2630.69
EQ13		BY2-13	659005.0600	813962.4260	2657.71

BY3	POINT	DESC.	NORTH	EAST	ELEVATION
17		BY3-17	658646.1460	813572.3510	2653.41
EQBY313		BY2-13	659005.0600	813962.4260	2657.71

BY4	POINT	DESC.	NORTH	EAST	ELEVATION
EQBY43		BL-3	659127.3250	814015.3630	2657.83
18		BY4-18	659290.4030	814055.7990	2656.12
19		BY4-19	659208.6520	814776.9240	2655.56

BY5	POINT	DESC.	NORTH	EAST	ELEVATION
EQ4		BL-4	659731.4750	814225.7210	2657.86
20		BY5-20	659792.8560	814571.6290	2649.37
21		BY5-21	659746.1490	814894.3940	2642.58

BY7	POINT	DESC.	NORTH	EAST	ELEVATION
23		BY7/9-23	660775.0180	813098.6130	2639.34
22		BY7-22	660643.7330	813401.4630	2623.93
EQ6		BL-6	660637.0760	813635.3310	2625.57

BY8	POINT	DESC.	NORTH	EAST	ELEVATION
EQBY86		BL-6	660637.0760	813635.3310	2625.57
24		BY8-24	660784.4980	813661.0820	2623.17
25		BY8-25	660710.0300	813927.0860	2620.35

BY9	POINT	DESC.	NORTH	EAST	ELEVATION
EQ23		BY7/9-23	660775.0180	813098.6130	2639.34
EQ7		BL-7	661447.0000	813162.2310	2649.64

BY10	POINT	DESC.	NORTH	EAST	ELEVATION
EQBY107		BL-7	661447.0000	813162.2310	2649.64
26		BY10-26	661652.2300	813548.7090	2632.76

BY11	POINT	DESC.	NORTH	EAST	ELEVATION
28		BY11-28	661477.8590	812809.8060	2684.39
27		BY11/12-27	661641.0590	813027.1520	2662.97
EQBY117		BL-7	661447.0000	813162.2310	2649.64

BY12	POINT	DESC.	NORTH	EAST	ELEVATION
29		BY12-29	661648.1490	812709.2940	2710.89
30		BY12-30	661698.8300	812873.3780	2683.24
EQ27		BY11/12-27	661641.0590	813027.1520	2662.97

BY13	POINT	DESC.	NORTH	EAST	ELEVATION
EQ8		BL-8	661858.5950	812799.2390	2671.51
31		BY13-31	662075.1140	813141.6490	2686.65

BY14	POINT	DESC.	NORTH	EAST	ELEVATION
32		BY14-32	662346.2010	812205.6040	2679.98
EQ33		BY15-33	662696.9910	812365.8760	2686.91

BY15	POINT	DESC.	NORTH	EAST	ELEVATION
EQ104		G104	662676.1110	812248.4200	2695.24
33		BY15-33	662696.9910	812365.8760	2686.91
34		BY15-34	663072.6920	812461.9340	2699.51

BY16	POINT	DESC.	NORTH	EAST	ELEVATION
36		BY16-36	663378.7710	811435.5090	2749.88
35		BY16-35	663833.2360	811950.9270	2724.13
EQ10		BL-10	663634.0470	811941.2440	2734.37

.....
BM1 ELEVATION = 2716.06
N 658137 E 813623
BM1-CHISELEDX
.....
.....
BM2 ELEVATION = 2633.34
N 659132 E 813457
BM2-CHISELEDX
.....
.....
BM3 ELEVATION = 2656.64
N 659469 E 814175
BM3-CHISELEDX
.....
.....
BM4 ELEVATION = 2642.04
N 659831 E 814943
BM4-CHISELEDX
.....
.....
BM5 ELEVATION = 2636.78
N 660190 E 813914
BM5-CHISELEDX
.....
.....
BM6 ELEVATION = 2632.75
N 661216 E 813406
BM6-CHISELEDX
.....
.....
BM7 ELEVATION = 2644.98
N 660695 E 812984
BM7-CHISELEDX
.....
.....
BM8 ELEVATION = 2675.31
N 662001 E 812879
BM8-CHISELEDX
.....
.....
BM9 ELEVATION = 2685.55
N 662334 E 812076
BM9-CHISELEDX
.....
.....
BM10 ELEVATION = 2716.50
N 662841 E 812091
BM10-CHISELEDX
.....
.....
BM11 ELEVATION = 2758.55
N 663280 E 811353
BM11-RRSPIKE28" TREE
.....
.....
BM12 ELEVATION = 2716.82
N 664098 E 811942
BM12-CHISELEDX
.....
.....
BM13 ELEVATION = 2656.65
N 658796 E 814715
BM13-RRSPIKE
.....
.....
BM14 ELEVATION = 2629.39
N 660722 E 813553
BM14-CHISELEDX
.....

NOTES:

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REVISIONS

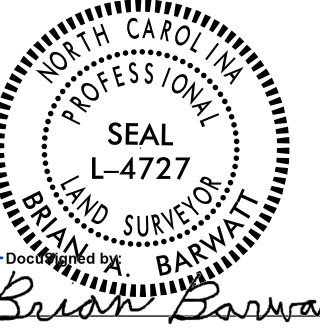
SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

Location and Surveys

LOCATION AND SURVEYS, DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	658365.235	814103.777	N 01°50'39.9" W	380.85					
LINE									
PC	658745.888	814091.519	N 08°53'50.4" W	183.53	14°06'21.1"(L.T)	07°40'00.0"	183.99	92.46	747.34
CURVE									
PT	658927.204	814063.134	N 15°57'00.9" W	48.35					
LINE									
PC	658973.693	814049.848	N 01°24'19.0" W	150.68	29°05'23.8"(RT)	19°05'54.9"	152.31	77.84	300.00
CURVE									
PT	659124.332	814046.152	N 13°08'22.9" E	523.09					
LINE									
PC	659633.722	814165.063	N 02°39'27.1" W	285.85	31°35'40.1"(L.T)	10°54'48.5"	289.50	148.53	525.00
CURVE									
PCC	659919.260	814151.810	N 25°36'09.9" W	135.60	14°17'45.4"(L.T)	10°30'54.2"	135.96	68.33	544.89
CURVE									
PT	660041.550	814093.211	N 32°45'02.6" W	45.77					
LINE									
PC	660080.047	814068.449	N 33°42'10.8" W	49.86	01°54'16.4"(L.T)	03°49'11.0"	49.86	24.93	1500.00
CURVE									
PT	660121.525	814040.783	N 34°39'19.0" W	1502.10					
LINE									
PC	661357.133	813186.633	N 34°23'44.7" W	51.90	00°31'08.5"(RT)	01°00'00.0"	51.90	25.95	5729.58
CURVE									
PT	661399.960	813157.314	N 34°08'10.5" W	1624.64					
LINE									
PC	662744.687	812245.624	N 15°11'47.3" W	965.93	37°52'46.4"(RT)	03°51'01.9"	983.75	510.61	1488.00
CURVE									
PT	663676.844	811992.424	N 03°44'35.9" E	317.58					
LINE									
PC	663993.743	812013.158	N 04°41'44.2" E	23.27	01°54'16.7"(RT)	08°11'06.4"	23.27	11.64	700.00
CURVE									
PT	664016.934	812015.063	N 05°38'52.6" E	105.26					
LINE									
PC	664121.685	812025.422	N 09°34'54.5" E	96.05	07°52'03.7"(RT)	08°11'06.4"	96.12	48.14	700.00
CURVE									
PT	664216.392	812041.410	N 13°30'56.3" E	46.30					
LINE									
POT	664261.408	812052.230							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	658003.250	813644.895	N 24°39'29.7" E	81.05					
LINE									
PC	658076.913	813678.711	N 47°05'07.7" E	317.98	44°51'16.2"(RT)	13°44'54.8"	326.25	172.00	416.74
CURVE									
PT	658293.428	813911.591	N 69°30'45.8" E	218.54					
LINE									
PC	658369.916	814116.306	N 80°08'18.3" E	88.46	21°15'05.0"(RT)	23°53'13.7"	88.97	45.00	239.86
CURVE									
PT	658385.066	814203.455	S 89°14'09.1" E	324.48					
LINE									
PC	658380.739	814527.904	N 82°16'23.3" E	134.51	16°58'55.1"(L.T)	12°34'44.3"	135.00	68.00	455.49
CURVE									
PT	658398.824	814661.192	N 73°46'55.8" E	86.32					
LINE									
POT	658422.931	814744.074							

EY2 POINT	N	E	BEARING	DIST
POT	658946.193	814057.707	S 75°49'28.6" E	728.04
LINE				
POT	658767.902	814763.583		

EY2A POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	659077.824	813360.991	N 52°00'00.0" E	35.00					
LINE									
PC	659099.371	813388.573	N 78°33'43.2" E	53.67	53°07'10.4"(RT)	95°28'15.6"	55.64	30.00	60.01
CURVE									
PT	659110.013	813441.175	S 74°52'41.6" E	639.54					
LINE									
POT	658943.176	814058.570							

EY3 POINT	N	E	BEARING	DIST
POT	658612.398	813480.887	N 53°19'02.5" E	598.07
LINE				
POT	658969.674	813960.512		

EY4 POINT	N	E	BEARING	DIST
POT	659308.758	814089.204	S 79°35'29.3" E	757.88
LINE				
POT	659171.835	814834.615		

EY5 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	659651.036	814168.798	N 56°12'31.3" E	144.50					
LINE									
PC	659731.404	814288.890	N 77°03'08.2" E	237.38	41°41'13.7"(RT)	17°10'36.4"	242.69	127.00	333.57
CURVE									
PT	659784.591	814520.232	S 82°06'15.0" E	180.55					
LINE									
PC	659759.789	814699.066	N 88°37'19.0" E	207.26	18°32'50.4"(L.T)	08°54'36.0"	208.16	105.00	643.05
CURVE									
PT	659764.773	814906.262	N 79°20'54.6" E	41.64					
LINE									
POT	659772.469	814947.183							

EY6 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	659454.451	813746.419	N 49°31'59.2" E	274.91					
LINE									
PC	659632.868	813955.562	N 51°59'13.2" E	289.73	04°54'27.9"(RT)	01°41'36.1"	289.82	145.00	3383.54
CURVE									
PT	659811.298	814183.835	N 54°26'27.1" E	460.44					
LINE									
POT	660079.064	814558.411							

EY7 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	660810.777	813059.882	S 66°36'57.3" E	568.46					
LINE									
PC	660585.157	813581.656	N 81°20'42.2" E	67.81	64°04'41.2"(L.T)	89°38'30.3"	71.48	40.00	63.92
CURVE									
PT	660595.362	813648.699	N 49°18'21.6" E	53.59					
LINE									
POT	660630.302	813689.328							

EY8 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	660705.720	813636.942	N 38°57'12.5" E	59.61					
LINE									
PC	660752.076	813674.418	N 76°07'38.4" E	74.90	74°20'51.8"(RT)	92°26'38.4"	80.42	47.00	61.98
CURVE									
PT	660770.034	813747.133	S 66°41'55.7" E	276.72					
LINE									
POT	660660.573	814001.286							

EY9 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	660688.227	813017.196	N 17°21'52.2" E	378.62	05°35'48.9"(L.T)	01°28'39.5"	378.77	189.54	3877.51
CURVE									
PT	661049.593	813130.196	N 14°33'57.8" E	292.25					
LINE									
POT	661332.451	813203.696							

EY10 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	661333.303	813203.107	N 36°19'27.5" E	151.99					
LINE									
PC	661455.754	813293.136	N 39°53'45.7" E	169.67	07°08'36.3"(RT)	04°12'26.9"	169.78	85.00	1361.76
CURVE									
PT	661585.927	813401.962	N 43°28'03.9" E	21.26					
LINE									
PC	661601.358	813416.589	N 56°38'43.1" E	232.66	26°21'18.4"(RT)	11°13'40.7"	234.73	119.48	510.30
CURVE									
PT	661729.281	813610.929							

EY10NC DOT POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	661336.761	813208.882	N 35°06'48.9" E	109.85					
LINE									
PC	661426.619	813272.067	N 38°32'16.6" E	163.66	06°50'55.4"(RT)	04°10'55.8"	163.76	81.98	1370.00
CURVE									
PT	661554.635	813374.035	N 41°57'44.4" E	44.63					
LINE									
PC	661587.822	813403.876	N 61°21'48.1" E	354.10	38°48'07.3"(RT)	10°44'58.8"	360.96	187.71	533.00
CURVE									
PT	661757.526	813714.663							

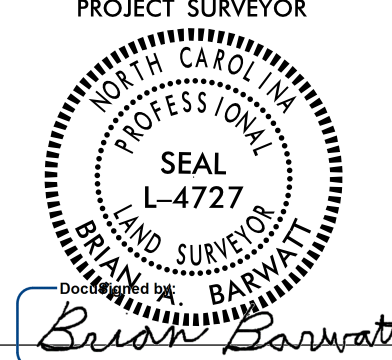
EY11 POINT	N	E	BEARING	DIST
POT	661500.237	812827.235	N 61°57'45.6" E	218.17
LINE				
POT	661602.788	813019.802		

EY12 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	661650.381	812728.468	N 30°58'02.5" E	61.44					
LINE									
PC	661703.064	812760.003	S 83°49'43.5" E	92.27	130°24'27.8"(RT)	112°44'48.5"	115.66	110.00	50.82
CURVE									
PT	661693.146	812851.814	S 18°37'29.5" E	160.88					
LINE									
POT	661540.689	812903.195							

EY13 POINT	N	E	BEARING	DIST
POT	661902.335			

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5839	SHEET NO. RW02C-10
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EY14

POINT	N	E	BEARING	DIST
POT	662317.407	812086.627		
LINE			N 81°19'10.2" E	411.31
POT	662379.483	812493.223		

EY15

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	662643.960	812313.914							
LINE			N 23°44'04.8" E	124.89					
PC	662758.290	812364.184							
CURVE			N 21°20'50.8" E	59.95	04°46'28.0"(LT)	07°57'43.3"	59.97	30.00	719.61
PT	662814.124	812386.006							
LINE			N 18°57'36.8" E	228.07					
PC	663029.820	812460.109							
CURVE			N 27°34'04.2" E	158.20	17°12'54.8"(RT)	10°50'28.3"	158.79	80.00	528.50
PT	663170.056	812533.323							
LINE			N 36°10'31.6" E	213.11					
POT	663342.079	812659.111							

RP_B1

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	663179.054	812440.875											
LINE			S 41°22'33.9" W	13.31									
PC	663169.069	812432.079											
CURVE			S 50°01'31.0" W	109.78	17°17'54.2"(RT)	15°41'50.9"	110.20	55.52	365.00				
PT	663098.541	812347.951											
LINE			S 58°40'28.1" W	89.03									
TS	663052.254	812271.899											
SPIRAL			N 90°00'00.0" W	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
SC	663052.254	812271.899											
CURVE			S 26°19'23.6" W	150.90	64°42'09.1"(LT)	40°38'07.1"	159.23	89.31	141.00				
CS	662917.000	812204.985											
SPIRAL			S 22°17'40.9" E	119.04						24°22'52.3"(LT)	120.00	80.77	40.70
ST	662917.000	812204.985											

EY16

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	663301.548	811430.611							
CURVE			N 33°21'57.9" E	207.45	30°50'52.3"(RT)	14°41'28.4"	209.97	107.60	390.00
PT	663474.802	811544.704							
LINE			N 48°47'24.0" E	68.24					
POT	663519.763	811596.044							
LINE			N 51°40'16.3" E	373.10					
PC	663751.148	811888.726							
CURVE			N 58°59'47.6" E	131.84	14°39'02.5"(RT)	11°04'56.8"	132.20	66.46	517.00
PT	663819.056	812001.729							

RP_A

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	662784.716	811655.732							
LINE			N 56°15'40.8" E	61.69					
PC	662818.980	811707.033							
CURVE			N 60°43'32.5" E	192.26	08°55'43.3"(RT)	04°38'21.6"	192.46	96.42	1235.00
PT	662912.994	811874.741							
LINE			N 65°11'24.1" E	123.14					
PC	662964.664	811986.513							
CURVE			N 81°42'38.6" E	88.15	33°02'28.9"(RT)	36°57'54.1"	89.39	45.97	155.00
PT	662977.373	812073.744							
LINE			S 81°46'07.0" E	46.29					
POT	662970.745	812119.560							

RP_B

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	663465.925	812566.066											
LINE			S 15°42'09.3" W	64.00									
TS	663404.312	812548.744											
SPIRAL			S 19°27'04.9" W	149.74						11°15'00.0"(RT)	150.00	100.20	50.18
SC	663263.116	812498.879											
CURVE			S 34°09'51.6" W	95.90	14°25'24.6"(RT)	15°00'00.0"	96.16	48.33	381.97				
CS	663183.763	812445.023								00°00'00.0"(RT)	0.00	0.00	0.00
SPIRAL			S 45°00'00.0" W	0.00									
ST	663183.763	812445.023											
LINE			S 41°22'33.9" W	2.83									
TS	663181.637	812443.150											
SPIRAL			S 45°00'00.0" W	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
SC	663181.637	812443.150											
CURVE			S 42°25'49.7" W	6.88	02°06'31.6"(RT)	30°38'22.0"	6.88	3.44	187.00				
CS	663176.557	812438.506											
SPIRAL			S 58°48'54.2" W	148.93						22°58'46.5"(RT)	150.00	100.86	50.78
ST	663099.440	812311.096											
LINE			S 66°27'52.0" W	132.63									
TS	663046.479	812189.499											
SPIRAL			S 76°51'19.5" W	59.21						31°15'08.1"(RT)	60.00	40.64	20.58
SC	663033.014	812131.840											
CURVE			N 78°06'39.5" W	8.00	08°20'40.9"(RT)	104°10'26.9"	8.01	4.01	55.00				
CS	663034.663	812124.009											
SPIRAL			N 90°00'00.0" W	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
ST	663034.663	812124.009											
LINE			N 73°56'19.0" W	36.74									
POT	663044.827	812088.705											

REVISIONS

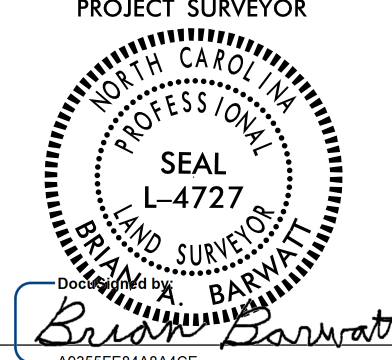
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bobbarwatt AT LS-317902

NOTES:

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

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-5839	SHEET NO. RW02C-11
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

RP_C													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 59°06'59.1" E	286.53						58°04'12.2"(RT)	300.00	211.94	110.94
SC	663505.866	812321.881											
CURVE			S 55°28'50.9" E	132.15	53°02'01.1"(RT)	38°42'48.1"	136.99	73.84	148.00				
PT	663430.978	812430.766											
LINE			S 28°59'34.9" E	0.87									
PC	663430.215	812431.189											
CURVE			S 02°23'40.2" W	160.28	62°43'01.1"(RT)	37°12'18.2"	168.57	93.85	154.00				
CS	663270.075	812424.492											
SPIRAL			S 61°05'46.9" W	215.05						40°55'32.0"(RT)	220.00	150.79	77.09
ST	663166.132	812236.229											
LINE			S 74°40'42.8" W	5.32									
TS	663164.727	812231.101											
SPIRAL			S 85°15'39.4" W	98.63						31°49'51.6"(RT)	100.00	67.78	34.35
SC	663156.578	812132.803											
CURVE			N 42°05'41.9" W	93.77	62°47'27.6"(RT)	63°39'43.1"	98.63	54.93	90.00				
CS	663226.158	812069.944											
SPIRAL			N 00°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
ST	663226.158	812069.944											

RP_D													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			S 53°38'48.9" W	214.95						41°19'41.2"(RT)	220.00	150.87	77.17
SC	663167.843	811755.781											
CURVE			N 65°34'19.0" W	166.86	66°20'06.9"(RT)	37°34'15.6"	176.56	99.67	152.50				
PT	663236.849	811603.856											
LINE			N 32°26'36.0" W	0.03									
PC	663236.876	811603.839											
CURVE			N 00°56'53.8" W	157.60	62°54'43.4"(RT)	37°56'39.2"	165.80	92.37	151.00				
CS	663394.452	811601.231											
SPIRAL			N 58°23'48.6" E	214.85						41°44'19.1"(RT)	220.00	150.96	77.25
ST	663507.043	811784.222											
LINE			N 72°14'47.0" E	215.30									
POT	663572.692	811989.266											

RP_D1													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			S 88°49'14.5" E	133.88						57°17'44.8"(RT)	140.00	98.74	51.62
SC	663509.651	811934.822											
CURVE			S 27°52'47.1" E	53.75	45°09'22.1"(RT)	81°51'04.0"	55.17	29.11	70.00				
PT	663462.138	811959.958											
LINE			S 05°18'07.0" E	43.10									
POT	663419.226	811963.940											

RP_E													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	663106.931	811491.844											
LINE			N 01°56'24.3" E	35.48									
TS	663142.394	811493.045											
SPIRAL			N 07°20'11.1" E	179.36						16°12'00.0"(RT)	180.00	120.51	60.46
SC	663320.287	811515.948											
CURVE			N 31°28'52.7" E	146.90	26°40'56.7"(RT)	18°00'00.0"	148.24	75.49	318.31				
CS	663445.564	811592.662											
SPIRAL			N 55°37'34.2" E	179.36						16°12'00.0"(RT)	180.00	120.51	60.46
ST	663546.830	811740.702											
LINE			N 61°01'21.3" E	141.38									
PC	663615.321	811864.379											
CURVE			N 32°22'58.5" E	183.09	57°16'45.2"(LT)	29°59'52.0"	190.94	104.31	191.00				
PT	663769.940	811962.438											
LINE			N 03°44'35.9" E	31.03									
POT	663800.900	811964.464											

RP_E1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	663594.181	811826.205							
CURVE			N 85°38'15.5" E	126.62	49°13'48.9"(RT)	37°41'40.5"	130.60	69.64	152.00
PT	663603.812	811952.460							
LINE			S 69°44'50.0" E	39.25					
POT	663590.224	811989.287							

US_23-74									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	662834.566	811590.207							
LINE			N 39°55'56.4" E	981.03					
PC	663586.819	812219.910							
CURVE			N 42°29'36.6" E	214.49	05°07'20.4"(RT)	02°23'14.4"	214.56	107.35	2400.00
PT	663744.975	812364.801							
LINE			N 45°03'16.8" E	13.68					
POT	663754.639	812374.483							

REVISIONS

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