


SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. 17BP.14.R.212	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	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	595796.516	754106.692	S 87°23'46.7" W	39.28					
LINE									
PC	595794.732	754067.456	N 49°41'24.9" W	95.32	85°49'36.8"(RT)	81°51'04.0"	104.86	65.08	70.00
CURVE									
PT	595856.399	753994.766	N 06°46'36.5" W	66.21					
LINE									
PC	595922.149	753986.952	N 27°21'50.1" W	105.49	41°10'27.1"(LT)	38°11'49.9"	107.79	56.34	150.00
CURVE									
PT	596015.835	753938.465	N 47°57'03.7" W	80.49					
LINE									
PC	596069.742	753878.698	N 44°32'34.1" W	130.79	06°48'59.1"(RT)	05°12'31.3"	130.87	65.51	1100.00
CURVE									
PT	596162.959	753786.957	N 41°08'04.6" W	195.89					
LINE									
PC	596310.496	753658.095	N 41°23'52.2" W	9.19	00°31'35.3"(LT)	05°43'46.5"	9.19	4.59	1000.00
CURVE									
PT	596317.389	753652.019	N 41°39'39.9" W	215.70					
LINE									
PC	596478.533	753508.641	N 17°47'16.5" W	178.07	47°44'46.8"(RT)	26°02'36.7"	183.33	97.37	220.00
CURVE									
PT	596648.094	753454.241	N 06°05'06.9" E	43.55					
LINE									
PC	596691.394	753458.857	N 19°16'52.9" E	132.41	26°23'32.1"(RT)	19°45'25.8"	133.58	68.00	290.00
CURVE									
PCC	596816.372	753502.578	N 38°45'26.9" E	62.08	12°33'35.9"(RT)	20°11'35.0"	62.20	31.22	283.74
CURVE									
PT	596864.778	753541.438	N 45°02'14.8" E	41.99					
LINE									
PC	596894.449	753571.148	N 33°15'55.2" E	116.29	23°32'39.3"(LT)	20°06'13.6"	117.11	59.39	285.00
CURVE									
PT	596991.685	753634.935	N 21°29'35.5" E	179.24					
LINE									
PC	597158.456	753700.606	N 04°08'02.6" E	63.25	34°43'05.8"(LT)	54°03'09.4"	64.23	33.14	106.00
CURVE									
PCC	597221.544	753705.165	N 28°49'45.2" W	59.84	31°12'29.8"(LT)	51°30'24.0"	60.59	31.07	111.24
CURVE									
PT	597273.971	753676.308	N 44°26'00.0" W	162.54					
LINE									
PC	597390.033	753562.520	N 30°27'46.0" W	106.23	27°56'28.1"(RT)	26°02'36.7"	107.29	54.73	220.00
CURVE									
PT	597481.596	753508.666	N 16°29'31.9" W	0.04					
LINE									
PC	597481.630	753508.655	N 07°16'17.4" W	44.23	18°26'28.9"(RT)	41°31'07.3"	44.42	22.40	138.00
CURVE									
PT	597525.500	753503.058	N 01°56'57.0" E	18.50					
LINE									
POT	597543.986	753503.687							

.....
 BM1 ELEVATION = 2077.98
 N 596850 E 754033
 TOP BOLT ON HYDRANT

.....
 BM2 ELEVATION = 2062.68
 N 596586 E 753501
 RR SPIKE IN BASE OF POWER POLE

.....
 BM3 ELEVATION = 2066.11
 N 596903 E 752821
 RR SPIKE SET IN BASE OF 14' HICKORY

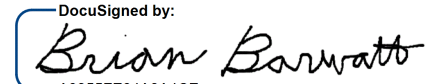
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 BM4 ELEVATION = 2097.24
 N 597221 E 753736
 RR SPK SET IN BASE OF 18' POPLAR

I, Brian Barwatt, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
 Type of GPS field procedure: HARN
 Dates of survey: February 2003
 Datum/Epoch: NAD 83/95
 Published/Fixed-control use: N/A
 Localized around: B-4159 GPS-101
 Northing: 595248.141
 Easting: 754526.411
 Combined grid factor: 0.9997772
 Geoid model: Geoid 99
 Units: US Survey Feet

I also certify that the Baseline Control for this project 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from August 2017 to October 2017, and all coordinates are based on NAD 83/95 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 2nd day of June, 2021.

Designed by:

 Professional Land Surveyor L-4727

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	595408.983	754373.029	N 46°00'36.7" W	121.28	06°49'00.4"(RT)	05°37'02.0"	121.35	60.75	1020.00
CURVE									
PCC	595493.217	754285.771	N 32°40'38.5" W	289.55	19°50'56.0"(RT)	06°49'15.3"	291.00	146.97	840.00
CURVE									
PT	595736.936	754129.442	N 22°45'10.5" W	7.63					
LINE									
PC	595743.968	754126.493	N 08°12'14.4" W	383.84	29°05'52.3"(RT)	07°29'58.0"	388.00	198.28	764.00
CURVE									
PT	596123.883	754071.719							

EY2 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	596896.916	752973.027	N 89°41'35.3" E	19.50					
LINE									
PC	596897.020	752992.529	S 85°42'18.9" E	160.45	09°12'11.6"(RT)	05°43'46.5"	160.63	80.49	1000.00
CURVE									
PT	596885.004	753152.532	S 81°06'13.1" E	274.37					
LINE									
PC	596842.574	753423.600	S 69°57'33.0" E	63.78	22°17'20.1"(RT)	34°43'29.0"	64.19	32.50	165.00
CURVE									
PT	596820.716	753483.521	S 58°48'53.0" E	18.48					
LINE									
POT	596811.148	753499.330							

EY3 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	596915.036	753589.842	N 79°52'06.3" E	59.69					
LINE									
PC	596925.536	753648.603	N 76°06'22.8" E	104.98	07°31'27.0"(LT)	07°09'43.1"	105.06	52.60	800.00
CURVE									
PT	596950.745	753750.513	N 72°20'39.3" E	13.74					
LINE									
PC	596954.912	753763.606	N 67°22'01.0" E	138.82	09°57'16.6"(LT)	07°09'43.1"	138.99	69.67	800.00
CURVE									
PT	597008.333	753891.733	N 62°23'22.6" E	187.69					
LINE									
PC	597095.318	754058.047	N 65°22'02.6" E	51.95	05°57'19.9"(RT)	11°27'33.0"	51.97	26.01	500.00
CURVE									
PT	597116.970	754105.268							
LINE									
POT	597151.412	754192.014							

BL POINT	DESC.	NORTH	EAST	ELEVATION
A9		595146.8880	754250.2990	2130.55
A2		595374.6310	754454.0660	2115.44
1	BL1	595735.7200	754093.2200	2079.64
2	BL2	595999.1060	753930.7250	2072.28
3	BL3	596285.5050	753660.7290	2064.71
4	BL4	596581.5390	753440.0940	2061.44
5	BL5	596843.0100	753495.3200	2062.11
6	BL6	597189.0110	753725.2060	2093.06
7	BL7	597480.0780	753495.9950	2131.32

BY1 POINT	DESC.	NORTH	EAST	ELEVATION
Y1		595374.6310	754454.0660	2115.44
8	BY1-8	595586.0360	754178.2840	2091.76

BY2 POINT	DESC.	NORTH	EAST	ELEVATION
9	BY2-9	596885.0440	752986.0020	2064.72
Y2		596843.0100	753495.3200	2062.11

BY3 POINT	DESC.	NORTH	EAST	ELEVATION
Y3		596843.0100	753495.3200	2062.11
10	BY3-10	597003.1510	753847.7540	2065.93
11	BY3-11	597130.5730	754175.7520	2063.87

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

02-JUN-2021 09:52 C:\Sylva\Bridges\490159\10 Send\17BP.14.R.212-1s-rw02c-2.dgn bobbarwatt AT LS-317902