

09/06/99

TIP PROJECT: 17BP.14.R.212

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	17BP.14.R.212	RW01	06

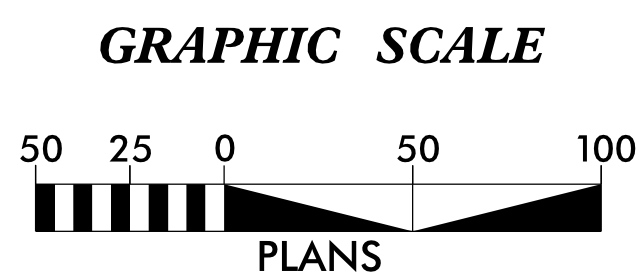
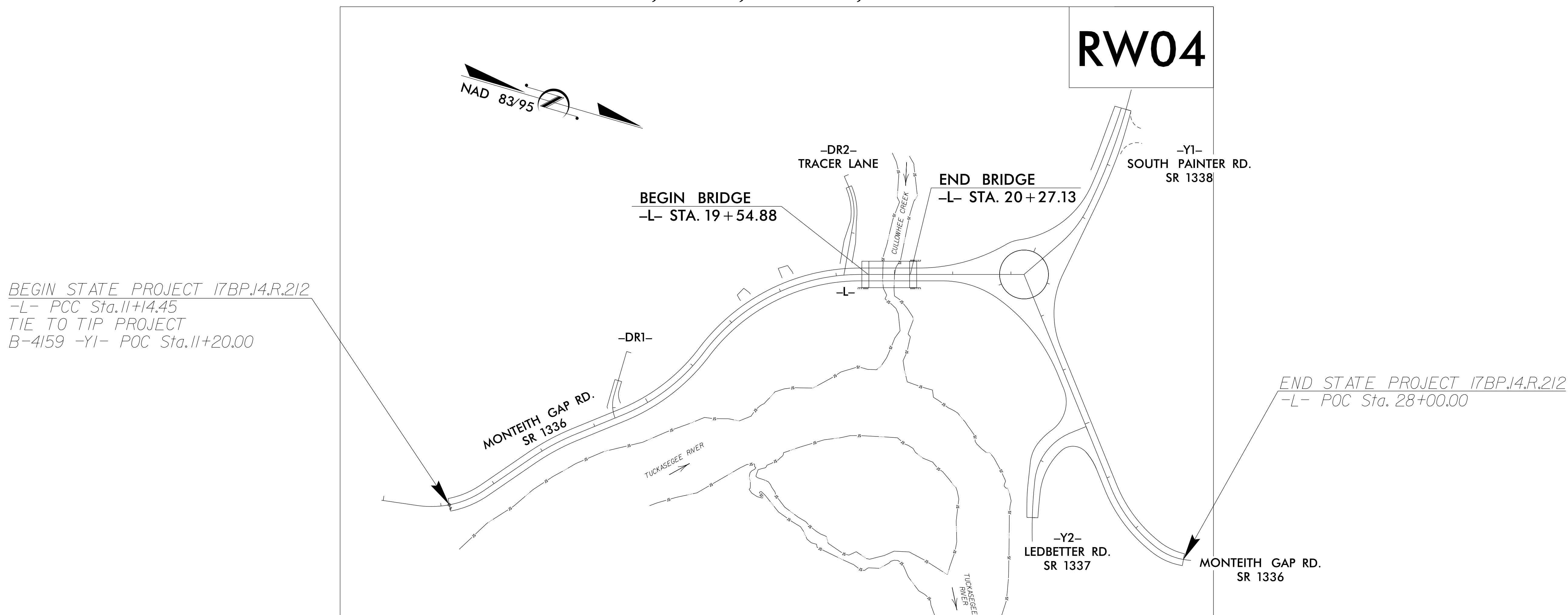
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

JACKSON COUNTY

LOCATION: SR 1336 (MONTEITH GAP ROAD) FROM NORTH OF
SR 1002 (OLD CULLOWHEE ROAD) TO NORTH OF
SR 1337 (LEDBETTER ROAD)

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURES



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "B-4159 GPS-101" WITH NAD 83/95 STATE PLANE GRID COORDINATES OF NORTHING: 595,248.141(ft) EASTING: 754,526.411(ft) ELEVATION: 2,127.67(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997772 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B-4159 GPS-101" TO -L- STATION 11+14.45 IS N 37-30'05.8" W 912.48'(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

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

2018 STANDARD SPECIFICATIONS

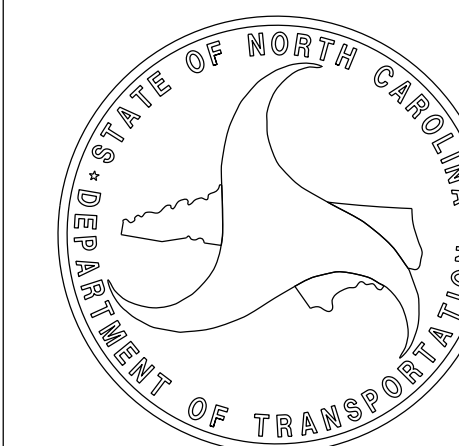
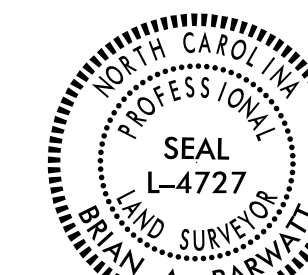
RIGHT OF WAY DATE:
APRIL 09, 2021

LETTING DATE:
FEBRUARY 22, 2022

PROFESSIONAL LAND
SURVEYOR

DocuSigned by:
Brian Barnhart
SIGNATURE:


6/2/2021
Date:



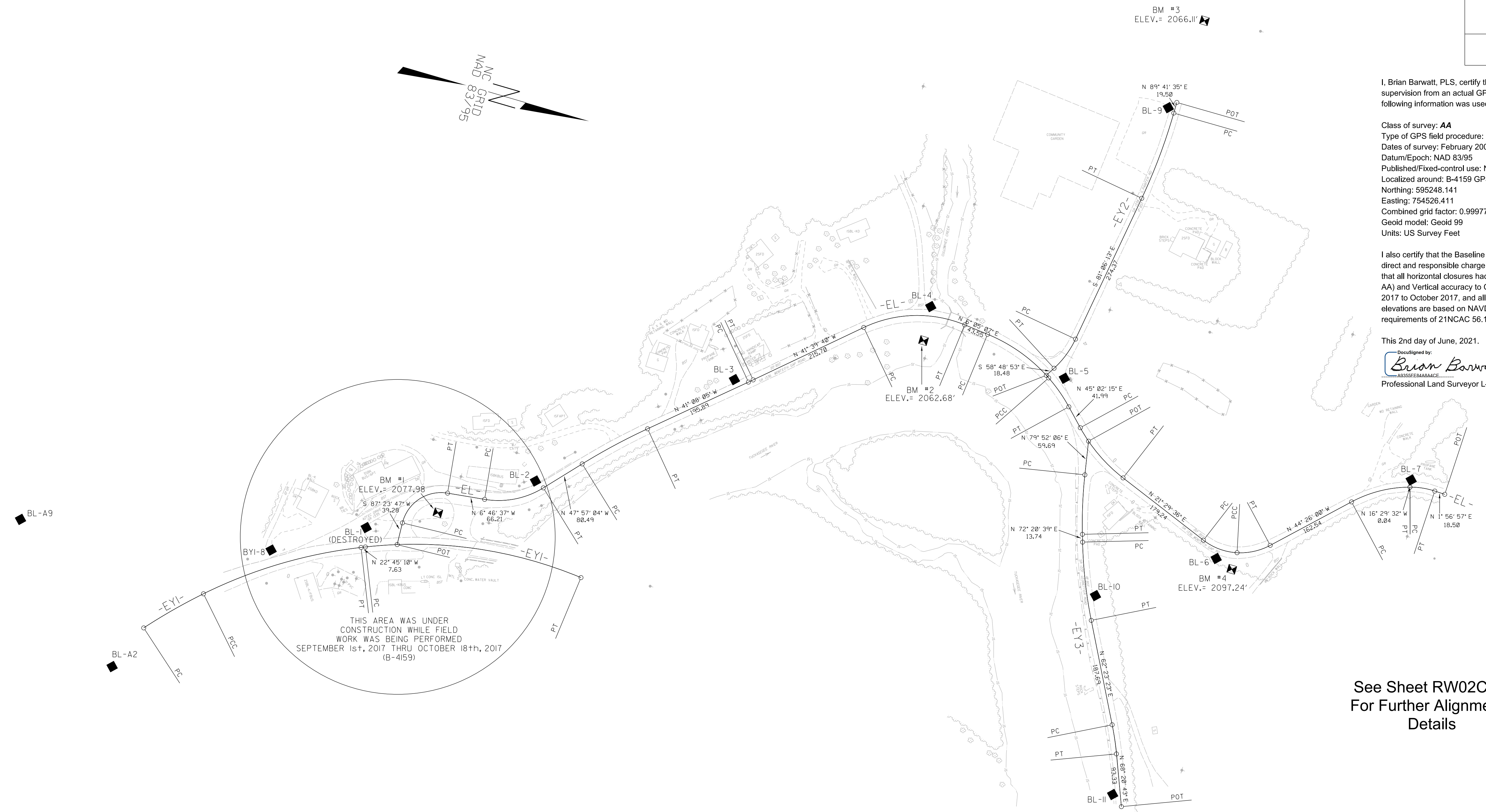
\$\$\$\$\$ SYSTEM \$\$\$\$\$\$
\$\$\$\$\$ USER \$\$\$\$\$\$

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. 17BP.14.R.212	SHEET NO. RW02C-1
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

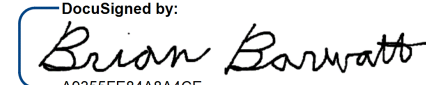
REVISIONS



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.
 DocuSigned by:

 Professional Land Surveyor L-4727

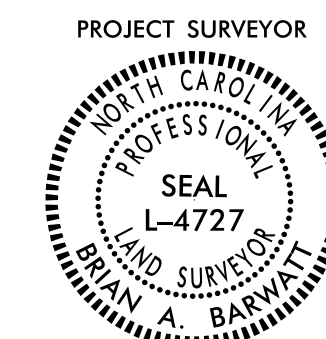
See Sheet RW02C-2
 For Further Alignment
 Details

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. 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							

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							

 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

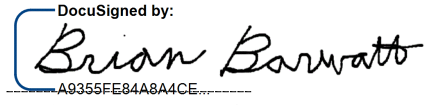
 BM4 ELEVATION = 2097.24
 N 597221 E 753736
 RR SPK SET IN BASE OF 18' POPLAR

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
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 Combined grid factor: 0.999772
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 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

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

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. 17BP.14.R.212	SHEET NO. RW02D-1
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Brian Barwatt, 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 2nd day of June, 2021.

DocuSigned by:
Brian Barwatt
Professional Land Surveyor L-4727

REVISIONS

L			
TYPE	STATION	NORTH	EAST
POT	9+97.00	595858.0014	753996.0719
PC	10+59.26	595919.6587	753987.4603
PCC	11+14.45	595972.0413	753970.9104
PT	11+80.49	596023.0444	753929.6958
PC	12+78.05	596084.7477	753854.1324
PT	13+63.04	596145.0710	753794.4826
PC	14+51.54	596214.2429	753739.2811
PRC	16+30.92	596318.5996	753596.0070
PT	19+40.68	596537.9288	753393.0292
POT	22+22.45	596808.3770	753313.9783
PC	26+17.79	597054.3172	753623.5126
PCC	27+48.86	597158.4561	753700.6055
PT	28+13.09	597221.5439	753705.1654

Y1			
TYPE	STATION	NORTH	EAST
POT	8+00.00	596879.3174	752793.4685
PC	8+81.64	596889.3918	752874.4850
PCC	11+80.46	596881.7431	753172.0960
PT	12+60.90	596852.3875	753246.4093
POT	13+41.54	596808.3770	753313.9783

Y2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	596984.0194	753535.0374
PC	10+28.42	596961.7681	753552.7171
PCC	11+36.04	596925.5364	753648.6027
PT	12+41.10	596950.7447	753750.5130

DR1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	596190.4615	753632.5485
PC	10+78.50	596190.6597	753711.0513
PT	11+18.23	596203.4326	753747.9081

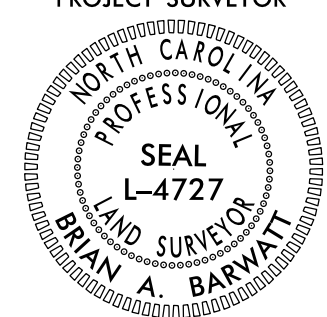
DR2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	596464.7820	753238.8484
PC	10+19.75	596477.3867	753254.0540
PT	10+84.07	596502.0660	753312.4608
POT	11+74.01	596511.7095	753401.8839

RA1			
TYPE	STATION	NORTH	EAST
PC	10+00.00	596813.5817	753272.3020
PCC	10+65.97	596766.7008	753308.7737
PCC	11+31.95	596803.1724	753355.6546
PCC	11+97.92	596850.0533	753319.1829
PT	12+63.89	596813.5817	753272.3020

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.

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. 17BP.14.R.212	SHEET NO. RW03E-1
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVIA, NC 28779	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Brian Barwatt, 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 5/12/2021 to 5/18/2021, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of June, 2021.

DocuSigned by:
Brian Barwatt
Professional Land Surveyor L-4727

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	11+44.67	-35.00	595975.9674	753927.0795
L	11+46.00	-29.25	595980.3577	753930.9407
L	11+80.49	-35.00	595995.9345	753907.5586
L	12+78.05	-35.00	596057.6379	753831.9952
L	13+63.04	-35.00	596123.2395	753767.1260
L	14+65.00	-35.00	596201.6803	753704.2177
L	16+30.92	-35.00	596285.8652	753583.6193
L	19+40.68	-35.00	596528.1094	753359.4349
L	20+35.00	-35.00	596618.6393	753332.9733
L	23+40.00	-50.00	596920.6531	753374.9118
L	25+60.00	-40.00	597049.6833	753553.3809
L	25+60.00	-50.00	597057.5127	753547.1600
L	26+17.79	-40.00	597085.6351	753598.6290
L	26+45.00	70.00	597022.6155	753693.0943
L	27+40.00	85.00	597116.3488	753775.1514
L	27+48.86	-40.00	597173.1068	753663.3851
L	27+80.00	60.00	597183.8080	753767.4280
L	28+10.00	30.00	597224.5380	753735.2198
L	28+10.00	-30.00	597212.5188	753676.4381
L	28+10.00	-40.00	597210.5151	753666.6388

8" SPIKE SET

PT. NOT SET
IN HOUSE

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	11+62.48	41.00	596039.5338	753972.3136
L	13+70.00	35.83	596172.8596	753818.1458
L	14+15.00	33.83	596206.7835	753788.5118
L	14+15.00	55.00	596219.9905	753805.0612
L	14+35.00	32.94	596221.8617	753775.3422
L	14+35.00	55.00	596235.6228	753792.5860
L	14+92.00	32.91	596267.7503	753735.2623
L	14+99.00	57.00	596290.6110	753746.2375
L	15+51.00	43.86	596317.8912	753691.4681
L	18+39.00	-35.00	596426.7071	753406.6955
L	18+54.00	-45.00	596435.5257	753389.2578
L	18+75.00	-56.00	596451.2072	753367.8391
L	18+98.00	-51.00	596477.4212	753360.8410
L	19+85.00	-105.00	596551.0085	753279.8125
L	20+40.00	-118.00	596600.1523	753251.9040
L	20+65.00	-44.58	596644.7480	753315.3659
L	20+78.00	-80.00	596647.2873	753277.7167
L	21+65.00	-88.00	596728.5487	753245.6296
L	23+29.00	-91.00	596945.9109	753340.7938
L	23+62.00	-50.00	596934.3391	753392.1367
L	23+66.00	-81.50	596961.4902	753375.6726

8" SPIKE SET

PT. NOT SET
IN TREE

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+25.00	30.00	596860.1004	753113.6632
Y1	11+25.00	45.00	596845.2076	753111.8728
Y1	11+80.46	45.00	596837.4312	753164.2565
Y1	12+15.00	45.00	596830.5206	753190.0830
Y1	12+45.00	-44.35	596899.4978	753253.9313

PUNCH HOLE
IN CONC.

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	10+38.00	30.00	596866.5180	753029.5443
Y1	11+45.00	83.00	596805.1083	753125.5230
Y1	11+54.00	75.00	596811.8346	753134.8751
Y1	11+59.00	99.00	596787.4209	753135.7744
Y1	11+76.50	83.00	596800.6379	753154.0592
Y1	12+55.00	-54.78	596902.2981	753269.9457

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	12+25.00	-30.00	596974.7808	753726.6025

PT. NOT SET
ON ROCK

ROW MARKER PERMANENT EASEMENT-E


ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+30.00	30.24	596894.6209	753646.1389
Y2	11+35.00	58.00	596868.1598	753657.1838
Y2	11+50.00	30.00	596898.6760	753668.1130
Y2	11+54.00	54.00	596875.9623	753676.9340

PT. NOT SET
IN WATER

NOTES:

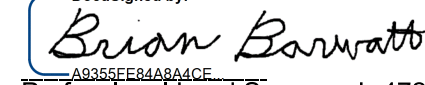
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 5/12/2021 TO 5/18/2021.

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.212	RW04
Location and Surveys	
LOCATION AND SURVEYS, DIVISION 14 122 BONNIE LANE SYLVA, NC 28779	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Brian Barwatt, 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 5/12/2021 to 5/18/2021 and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of June, 2021.

DocuSigned by:

 Brian Barwatt
 Professional Land Surveyor L-4727

-L-

PI Sta 10+87.11 Δ = 19° 09' 54.6" (LT) D = 34' 43" 29.0" L = 55.19' T = 27.86' R = 165.00'	PI Sta 11+47.95 Δ = 23° 38' 58.2" (LT) D = 35' 48" 35.5" L = 66.04' T = 33.50' R = 160.00' V = 20 MPH e = NC (LOW SPEED)
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-L-

PI Sta 13+20.70 Δ = 12° 10' 28.7" (RT) D = 14' 19" 26.2" L = 84.99' T = 42.66' R = 400.00' V = 30 MPH e = NC (LOW SPEED)	PI Sta 15+43.44 Δ = 30° 40' 51.0" (LT) D = 17' 06" 11.6" L = 179.39' T = 91.90' R = 335.00' V = 30 MPH e = NC (LOW SPEED)	PI Sta 17+97.87 Δ = 52° 58' 42.5" (RT) D = 17' 06" 11.6" L = 309.76' T = 166.95' R = 335.00' V = 30 MPH e = NC (LOW SPEED)
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-L-

PI Sta 26+84.87 Δ = 30° 02' 16.6" (LT) D = 22' 55" 05.9" L = 131.07' T = 67.08' R = 250.00' V = 30 MPH e = 0.08 (LOW SPEED) Lr = 144'	PI Sta 27+81.99 Δ = 34° 43' 05.8" (LT) D = 54' 03" 09.4" L = 64.23' T = 33.14' R = 106.00' V = 20 MPH e = 0.08 (MATCH EX. AT TIE)
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-Y1-

PI Sta 10+32.17 Δ = 17° 07' 16.0" (RT) D = 5' 43" 46.5" L = 298.82' T = 150.53' R = 1,000.00' V = 40 MPH e = SEE PLANS	PI Sta 12+21.23 Δ = 23° 02' 42.2" (RT) D = 28' 38" 52.4" L = 80.44' T = 40.77' R = 200.00' V = 25 MPH e = SEE PLANS
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-Y2-

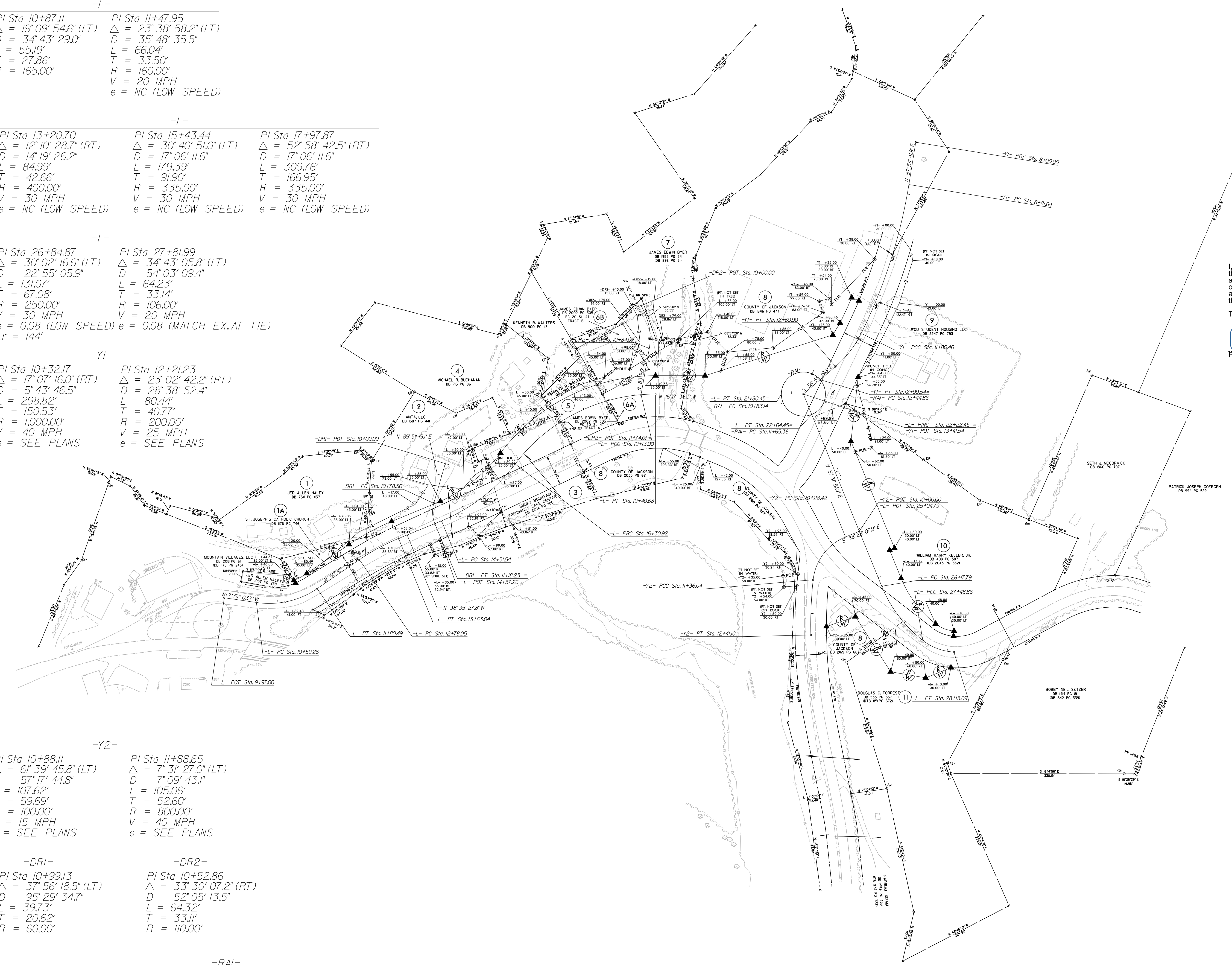
PI Sta 10+88.11 Δ = 61° 39' 45.8" (LT) D = 57' 17" 44.8" L = 107.62' T = 59.69' R = 100.00' V = 15 MPH e = SEE PLANS	PI Sta 11+88.65 Δ = 7° 31' 27.0" (LT) D = 7' 09" 43.1" L = 105.06' T = 52.60' R = 800.00' V = 40 MPH e = SEE PLANS
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-DRI-

PI Sta 10+99.13 Δ = 37° 56' 18.5" (LT) D = 95' 29" 34.7" L = 39.73' T = 20.62' R = 60.00'	-DR2-
PI Sta 10+52.86 Δ = 33° 30' 07.2" (RT) D = 52' 05" 13.5" L = 64.32' T = 33.11' R = 110.00'	

-RAI-

PI Sta 10+42.00 Δ = 90° 00' 00.0" (LT) D = 136' 25" 06.7" L = 65.97' T = 42.00' R = 42.00'	PI Sta 11+07.97 Δ = 90° 00' 00.0" (LT) D = 136' 25" 06.7" L = 65.97' T = 42.00' R = 42.00'	PI Sta 11+73.95 Δ = 90° 00' 00.0" (LT) D = 136' 25" 06.7" L = 65.97' T = 42.00' R = 42.00'	PI Sta 12+39.92 Δ = 90° 00' 00.0" (LT) D = 136' 25" 06.7" L = 65.97' T = 42.00' R = 42.00'
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REVISIONS

C:\JUN.2021\228... Send\17BP.14.R.212.1s...w04...Add...Dates.dgn
L-4727
B.A. Barwatt

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
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