

**This electronic collection of documents is provided  
for the convenience of the user  
and is Not a Certified Document –**

**The documents contained herein were originally issued  
and sealed by the individuals whose names and license  
numbers appear on each page, on the dates appearing  
with their signature on that page.**

**This file or an individual page  
shall not be considered a certified document.**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5735	RW01	

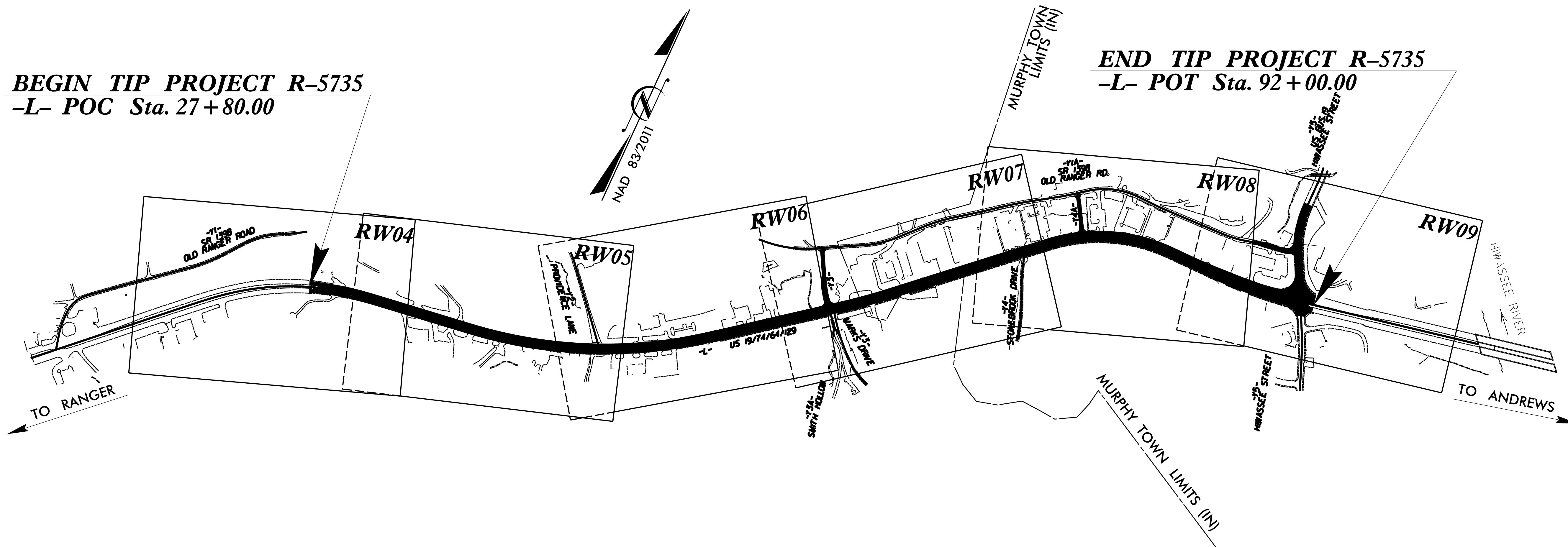
SURVEY CONTROL, EXISTING CENTERLINES,  
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

**CHEROKEE COUNTY**

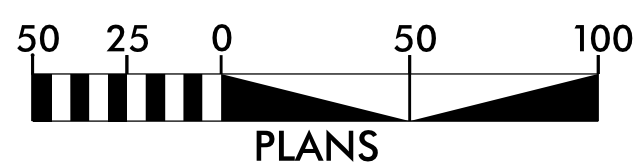
**TIP PROJECT: R-5735**

**BEGIN TIP PROJECT R-5735**  
**-L- POC Sta. 27+80.00**

**END TIP PROJECT R-5735**  
**-L- POT Sta. 92+00.00**



**GRAPHIC SCALE**



**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "GPS 104" WITH NAD 83/NSRS XXXX STATE PLANE GRID COORDINATES OF NORTHING: 522,918.734(ft) EASTING: 496,469.019(ft) ELEVATION: 1,606.46(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99980399

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS 104" TO -L- STATION 10+00.00 IS S 65°14'25.5" W 9892.13(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
VERTICAL DATUM USED IS NAVD 1988

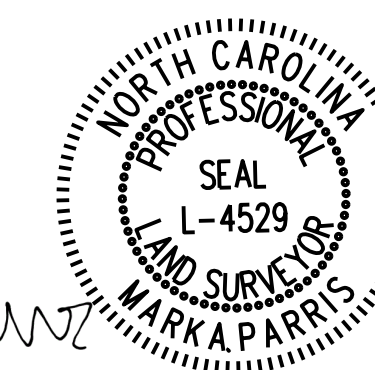
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
1000 Birch Ridge Dr., Raleigh NC, 27610

2017 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

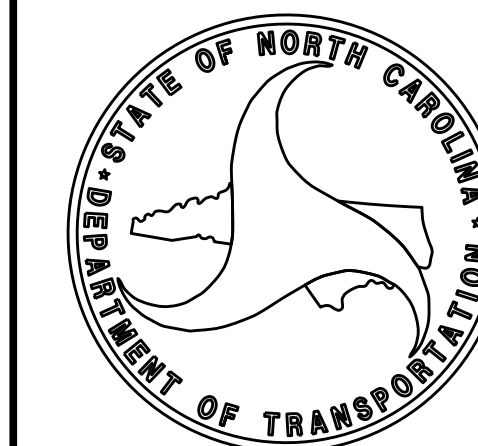
LETTING DATE:

PROFESSIONAL LAND SURVEYOR



DocuSigned by:  
*Mark A. Parris*  
F1570CB85C7248A...

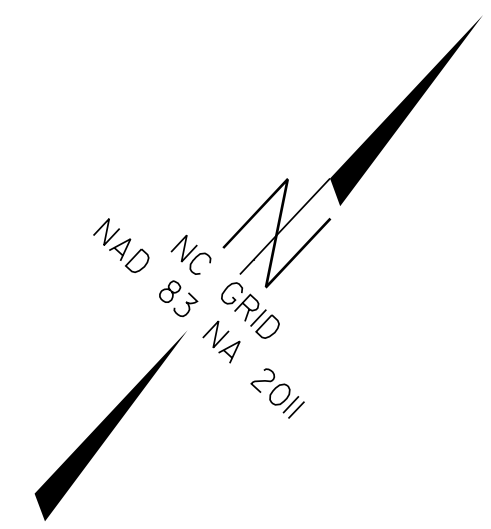
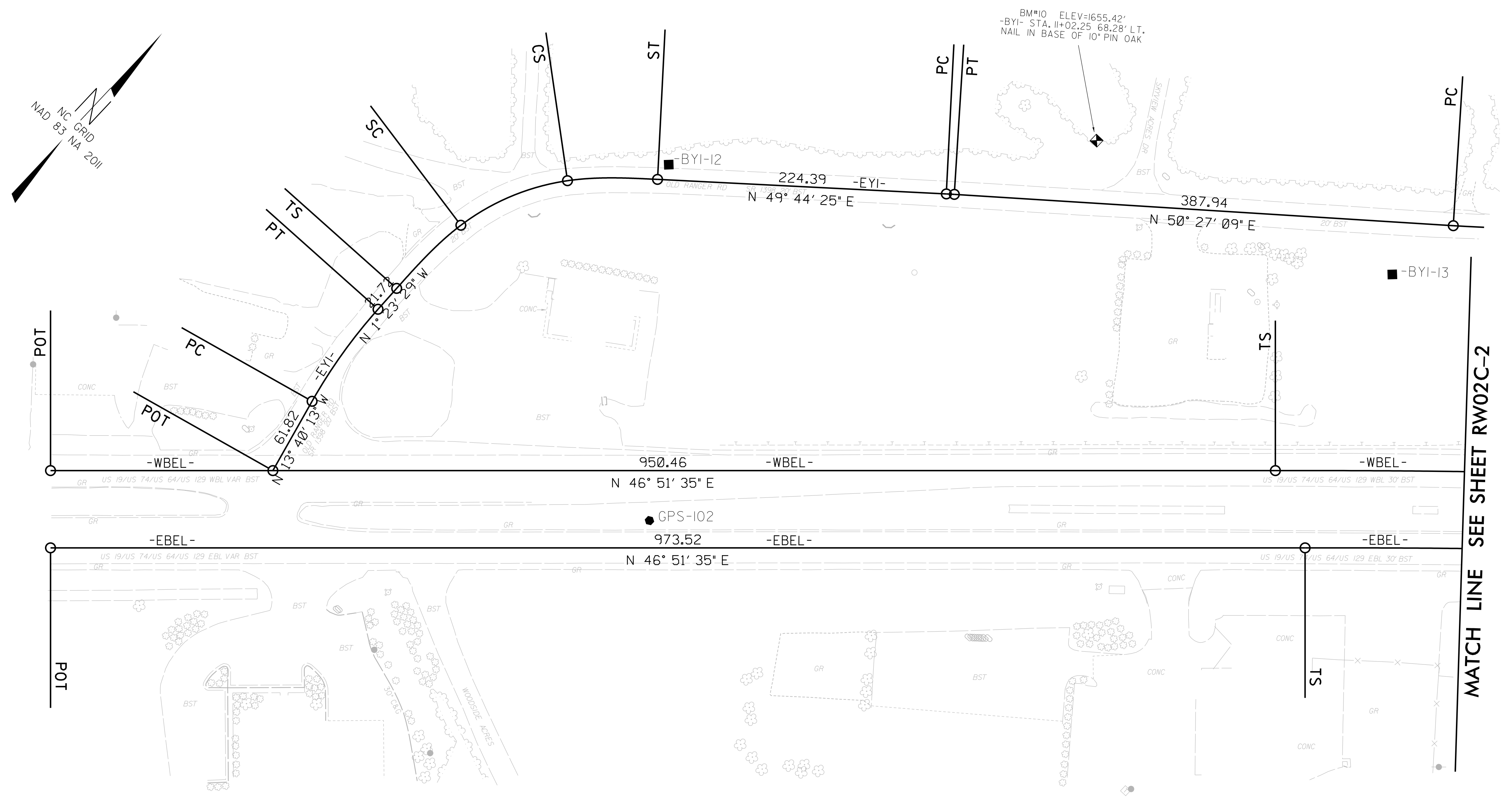
SIGNATURE:



\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DDON\$\$\$\$\$  
\$\$\$\$\$SERNAME\$\$\$\$\$

# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



BM#1 ELEV=1629.84'  
-BL- STA. 5+54.96 79.41' LT.  
NAIL IN BASE OF PP

GPS-101

MATCH LINE SEE SHEET RW02C-2

**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.

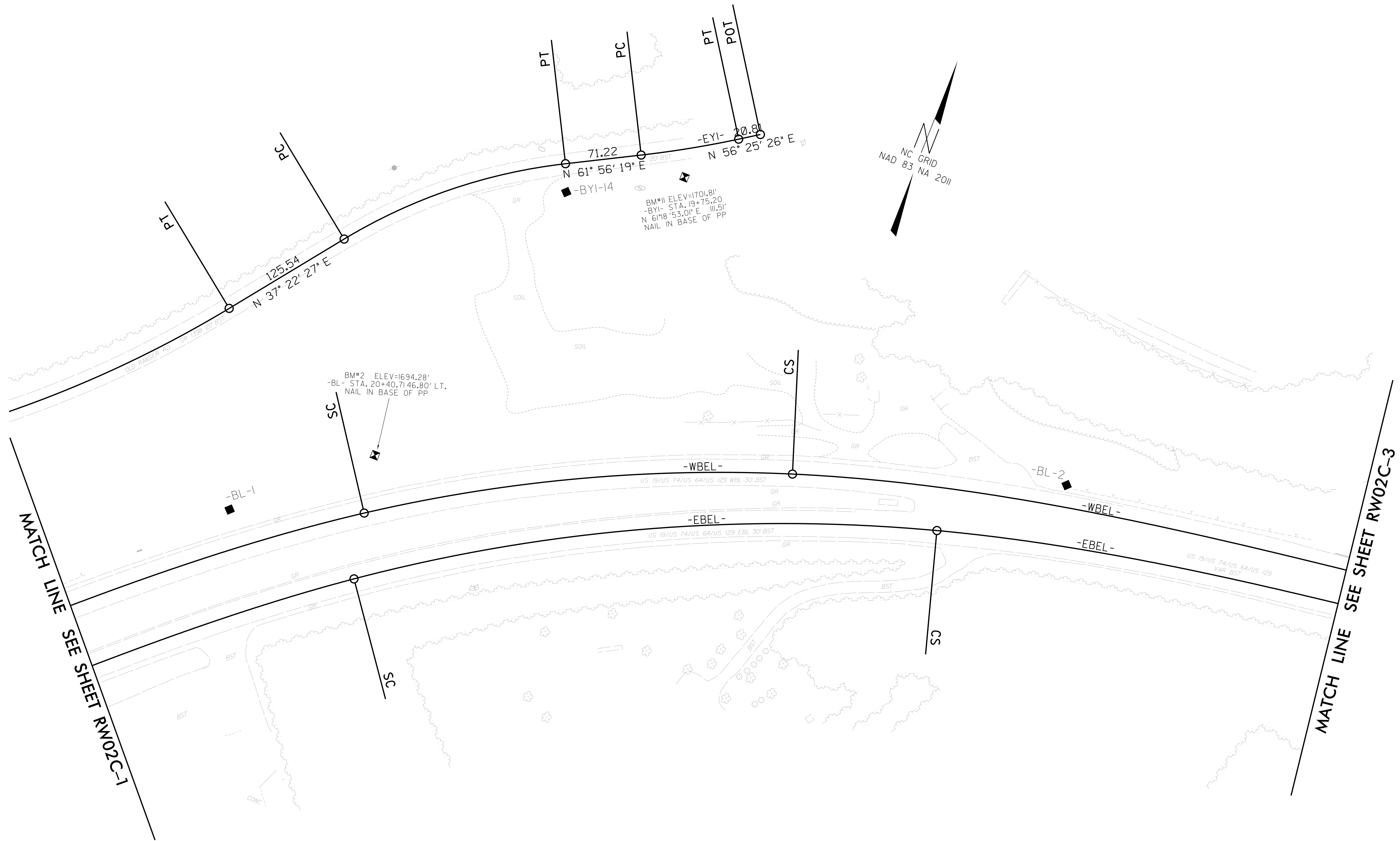
REVISIONS

6/2/09

5/29/2018 11:51:11 AM \\s:\survey\2018\31812-40 R-5735 ROW \$teke\Work\R5735\_1s\_1c-1.dgn

# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



- 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.

REVISIONS

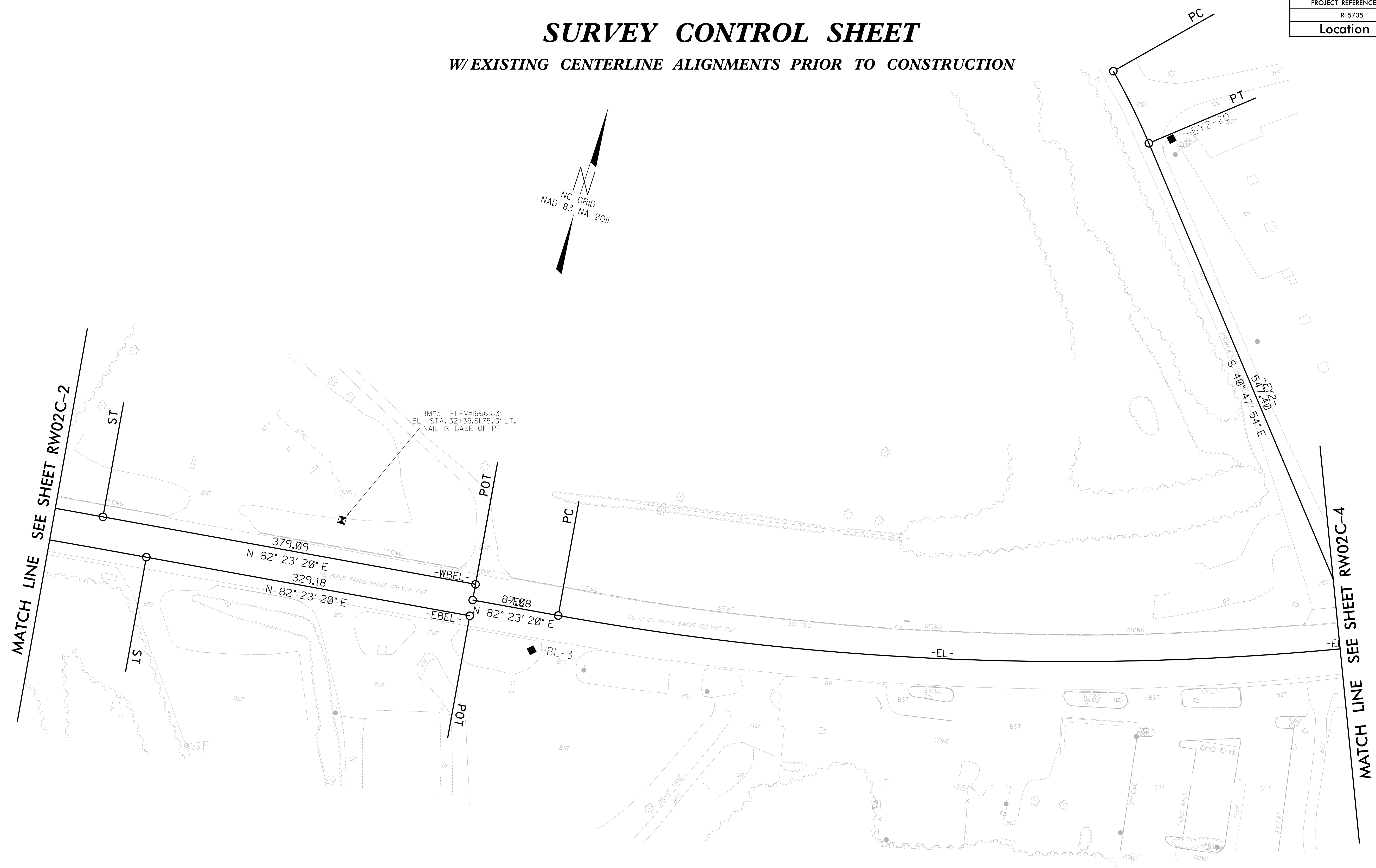
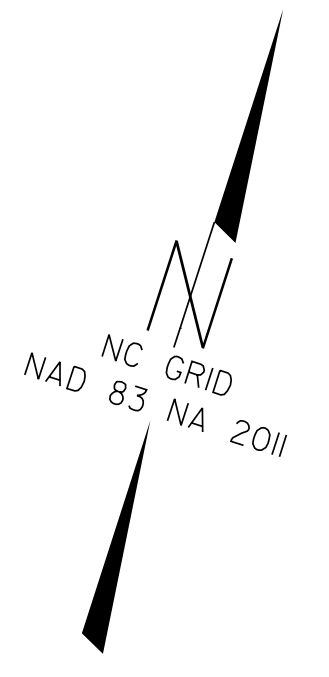
6/2/19

5/29/2018 11:51:11 AM C:\Users\jsteele\OneDrive\Documents\Projects\2018\31812-40\_R-5735 ROW \$steele\Work\195735\_1s\_1c-2.dgn



# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**NOTES:**

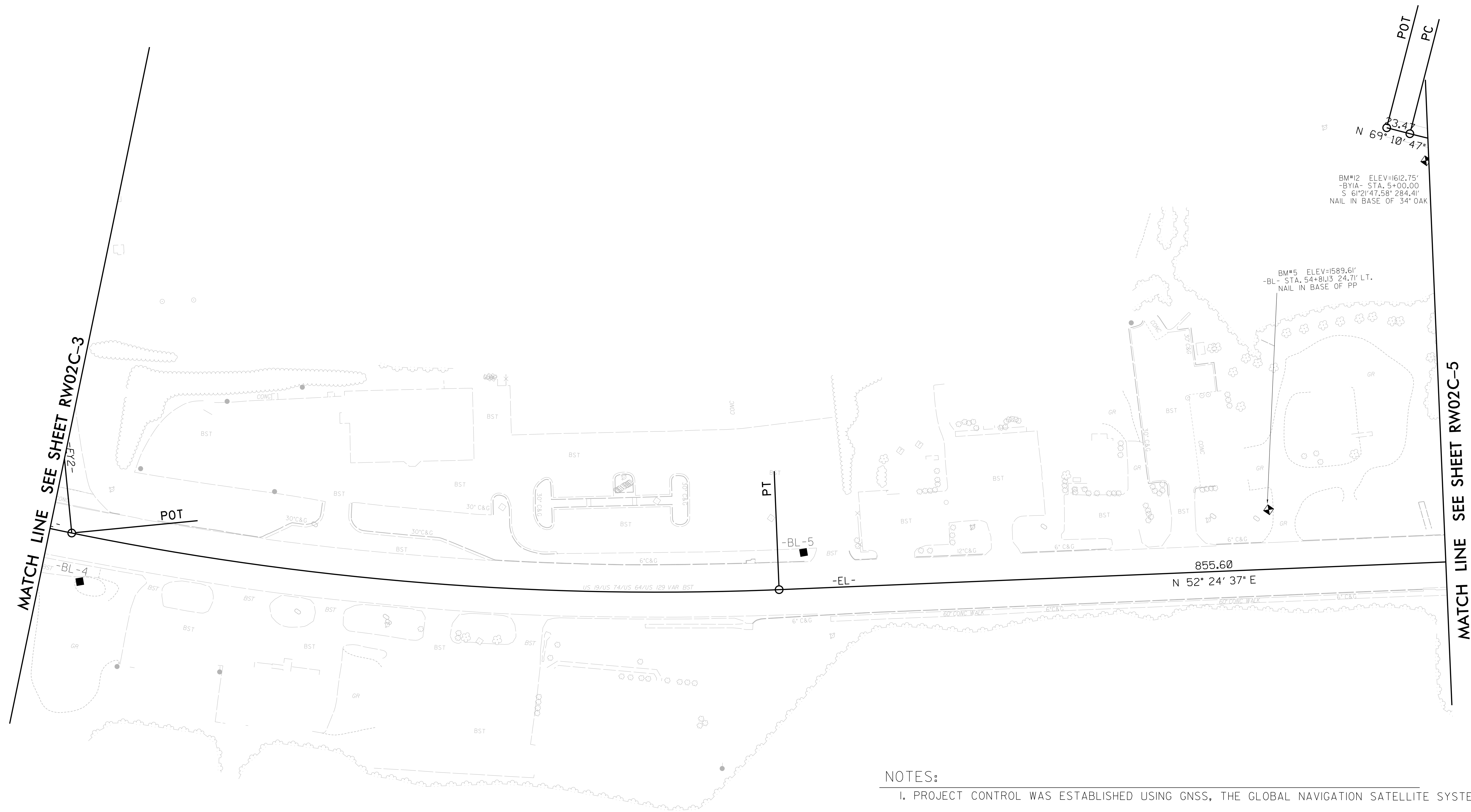
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

6/2/19  
 REVISIONS  
 5/29/2018  
 5:\s\nc\11\surveys\2018\31812-40\_R-5735\_ROW\stake\work\R5735\_1s\_1c-3.dgn  
 11/28/2018

PROJECT REFERENCE NO.	SHEET NO.
R-5735	RW02C-4
Location and Surveys	

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



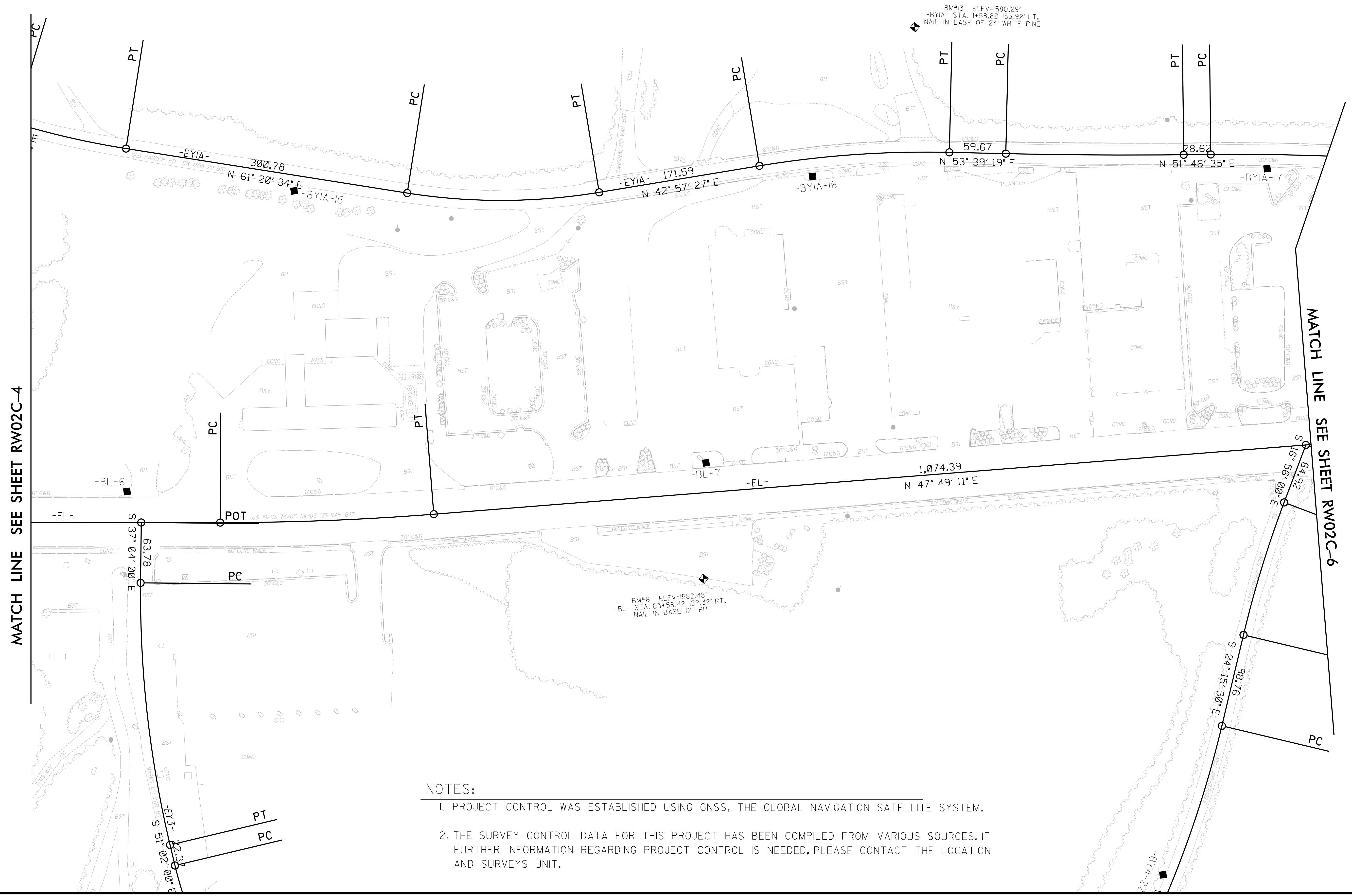
- NOTES:**
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
  - THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/19 5/29/2018 11:51:11 AM 5:\s\new\11\surveys\2018\31812-40 R-5735 ROW \$tcke\work\R5735\_1s\_1c-4.dgn

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**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.

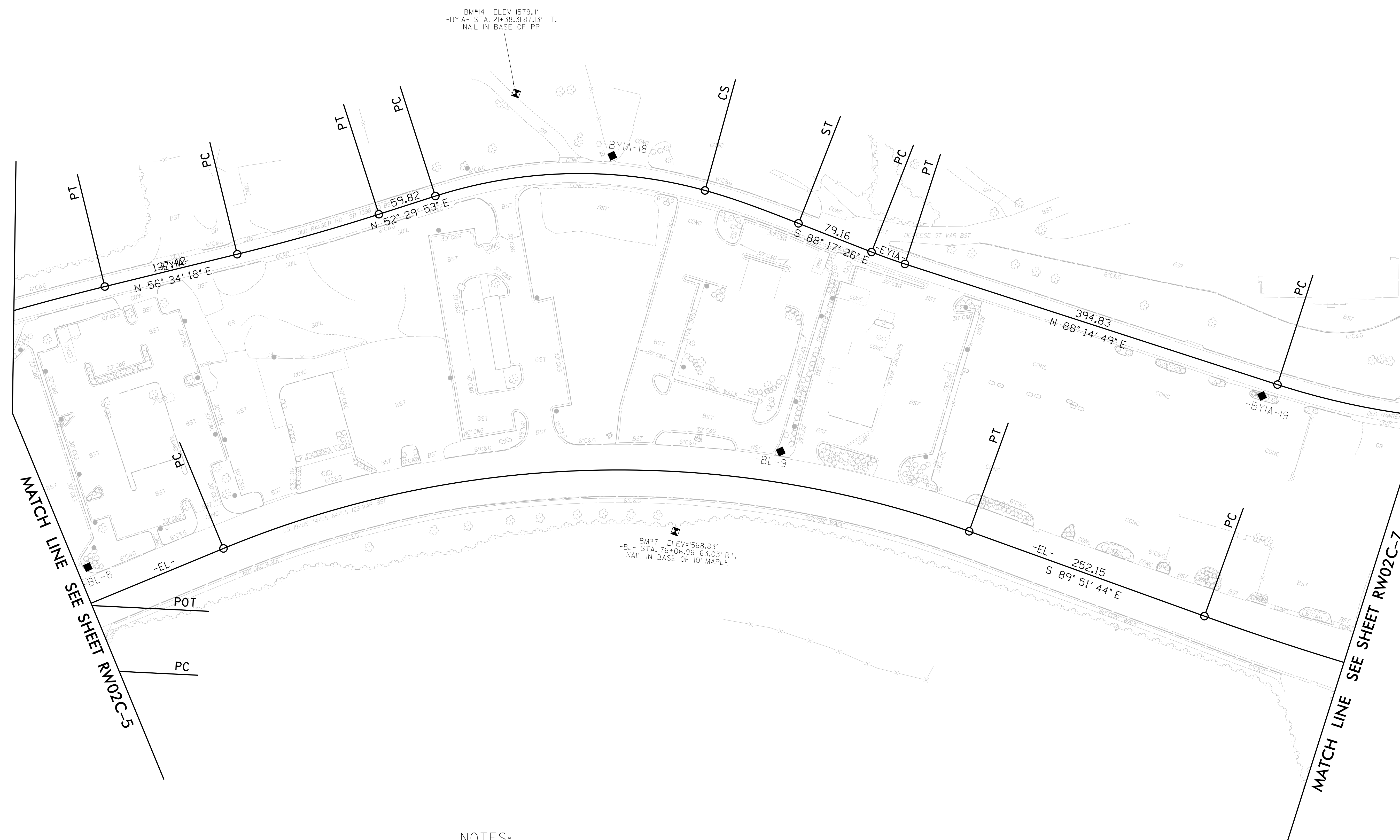
6/2/19

REVISIONS

5/29/2018 11:51:11 AM \\s:\surveys\2018\31812-40 R-5735 ROW \$tokes\work\R5735\_1s\_1C-5.dgn  
 User: jstokes

# SURVEY CONTROL SHEET

**W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION**



**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.

MATCH LINE SEE SHEET RW02C-5

MATCH LINE SEE SHEET RW02C-7

REVISIONS

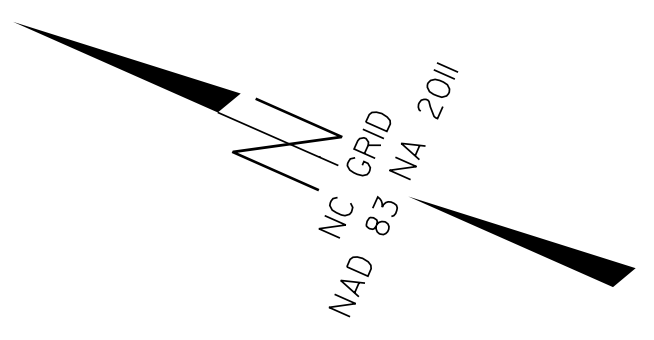
6/2/19

5/29/2018 11:51:11 AM \\server\survey\2018\31812-40 R-5735 ROW \$stake\work\R5735\_1s\_1c-6.dgn



# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



**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.

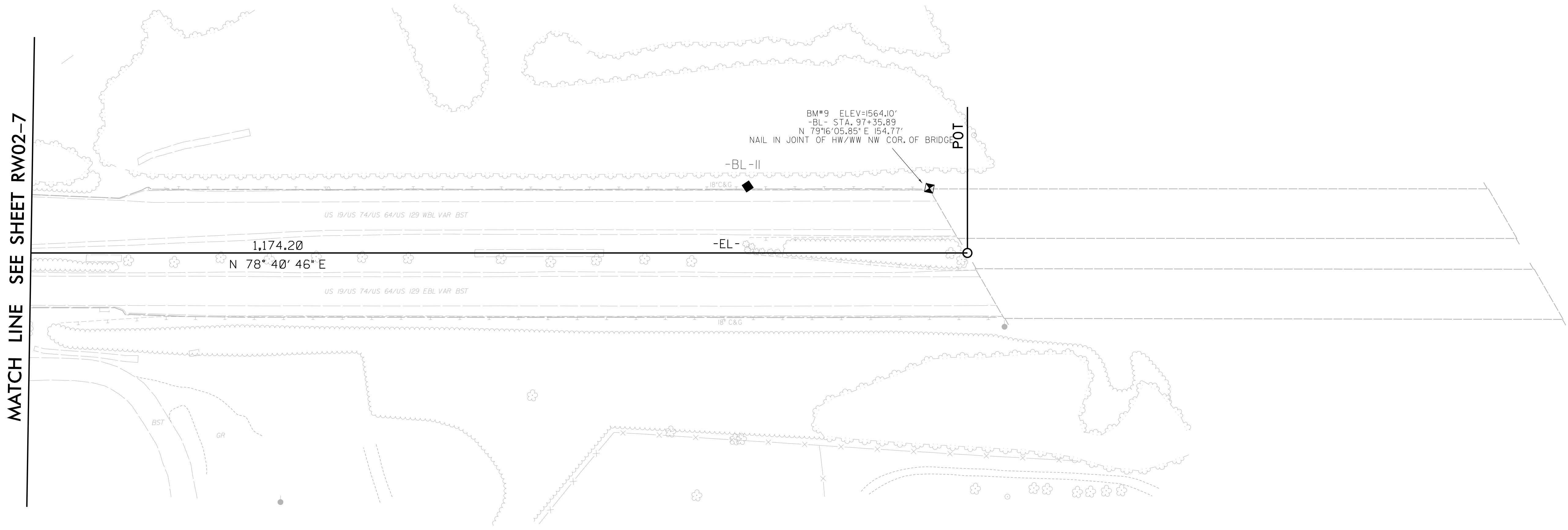
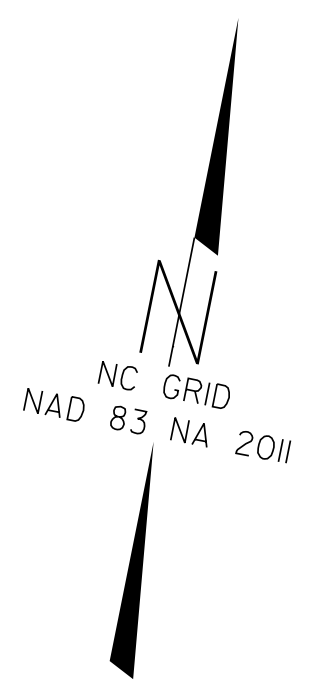
REVISIONS

6/2/19

5/29/2018 11:51:11 AM \\s:\survey\2018\31812-40 R-5735 ROW \$teke\Work\R5735\_1s\_1C-7.dgn

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



MATCH LINE SEE SHEET RW02-7

**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

6/2/09

5/29/2018 1:15:11 PM \\s:\projects\2018\31812-40 R-5735 ROW \$teke\Work\R5735\_1s\_1C-8.dgn

# SURVEY CONTROL SHEET

## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL POINT	DESC.	NORTH	EAST	ELEVATION
G101	GPS-101	518683.9110	487391.6130	1628.31
G102	GPS-102	519087.1540	487831.4010	1654.01
1	BL-1	519685.5394	488372.4086	1689.39
2	BL-2	519994.1998	489092.0345	1687.19
3	BL-3	520027.3934	489862.0868	1647.50
4	BL-4	520251.3179	490686.0723	1612.24
5	BL-5	520684.8031	491250.6536	1598.40
6	BL-6	521128.9197	491832.0610	1586.25
7	BL-7	521526.5082	492297.9631	1577.87
8	BL-8	521965.4099	492777.1358	1572.80
9	BL-9	522310.7311	493395.5421	1565.62
10	BL-10	522362.4009	494404.8368	1551.87
11	BL-11	522603.4566	495379.6771	1557.81

BY1 POINT	DESC.	NORTH	EAST	ELEVATION
Y102	GPS-102	519087.1540	487831.4010	1654.01
12	BY1-12	519299.0363	487653.3155	1645.29
13	BY1-13	519620.7569	488121.3027	1680.06
14	BY1-14	520077.2781	488566.1948	1700.31

BY1A POINT	DESC.	NORTH	EAST	ELEVATION
15	BY1A-15	521488.2187	491777.8907	1601.44
16	BY1A-16	521834.8593	492202.3434	1576.77
17	BY1A-17	522134.7551	492577.5956	1571.54
18	BY1A-18	522534.3130	493135.0776	1565.85
19	BY1A-19	522927.1727	493833.5952	1551.95
Y23	BY5-23	522654.5007	494344.1944	1542.61

BY2 POINT	DESC.	NORTH	EAST	ELEVATION
20	BY2-20	520711.1390	490314.8112	1661.16
Y4	BL-4	520251.3179	490686.0723	1612.24

BY3 POINT	DESC.	NORTH	EAST	ELEVATION
Y6				
21	BY3-21	520774.5386	492211.9399	1631.12

BY4 POINT	DESC.	NORTH	EAST	ELEVATION
Y8	BL-8	521965.4099	492777.1358	1572.80
22	BY4-22	521476.7469	492946.2124	1608.73

BY5 POINT	DESC.	NORTH	EAST	ELEVATION
23	BY5-23	522654.5007	494344.1944	1542.61
Y10	BL-10	522362.4009	494404.8368	1551.87
24	BY5-24	521981.3487	494673.8042	1563.48

BM1	ELEVATION - 1629.84
N 518780	E 487378
NAIL IN BASE PP	

BM2	ELEVATION - 1694.28
N 519783	E 488480
NAIL IN BASE PP	

BM3	ELEVATION - 1666.83
N 520093	E 489641
NAIL IN BASE PP	

BM4	ELEVATION - 1629.72
N 520030	E 490746
NAIL IN BASE 10" POPLAR	

BM5	ELEVATION - 1589.61
N 520983	E 491600
NAIL IN BASE PP	

BM6	ELEVATION - 1582.48
N 521428	E 492371
NAIL IN BASE PP	

BM7	ELEVATION - 1568.83
N 522199	E 493323
NAIL IN BASE 10" MAPLE	

BM8	ELEVATION - 1559.86
N 522468	E 494557
NAIL IN BASE 18" DBL. SWEET GUM	

BM9	ELEVATION - 1564.10
N 522632	E 495532
NAIL IN JOINT OF HW/WV NW COR. BRIDGE	

BM10	ELEVATION - 1655.42
N 519540	E 487883
NAIL IN BASE 10" PIN OAK	

BM11	ELEVATION - 1701.81
N 520131	E 488654
NAIL IN BASE PP	

BM12	ELEVATION - 1612.75
N 521352	E 491528
NAIL IN BASE 34" OAK	

BM13	ELEVATION - 1580.29
N 522026	E 492192
NAIL IN BASE 24" WHITE PINE	

BM14	ELEVATION - 1579.11
N 522561	E 493023
NAIL IN BASE PP	

BM15	ELEVATION - 1536.79
N 522899	E 494217
NAIL IN BASE PP	

BM16	ELEVATION - 1568.30
N 521846	E 494669
NAIL IN BASE PP	

**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.

REVISIONS

6/2/09

5/29/2018 11:51:11 AM \\server\projects\2018\31812-40 R-5735 ROW \$toko\Work\R5735\_1s\_1C-TABLES1.dgn

# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EBEL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	518753.903	487506.752											
LINE			N 46°51'34.7" E	973.52									
TS	519419.585	488217.112											
SPIRAL			N 49°09'21.7" E	379.76						06°53'24.0"(RT)	380.00	253.53	126.84
SC	519667.946	488504.394											
CURVE			N 63°43'03.8" E	546.99	19°56'10.0"(RT)	03°37'34.7"	549.76	277.69	1580.00				
CS	519910.151	488994.841											
SPIRAL			N 79°29'18.4" E	479.51						08°42'11.4"(RT)	480.00	320.39	160.35
ST	519997.630	489466.302											
LINE			N 82°23'20.1" E	329.18									
POT	520041.229	489792.581											

WBEL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	518797.684	487465.725											
LINE			N 46°51'34.7" E	950.46									
TS	519447.598	488159.259											
SPIRAL			N 49°41'40.5" E	434.57						08°30'22.9"(RT)	435.00	290.34	145.31
SC	519728.708	488490.668											
CURVE			N 63°15'19.6" E	402.18	15°46'43.9"(RT)	03°54'39.5"	403.45	203.01	1465.00				
CS	519909.693	488849.821											
SPIRAL			N 78°38'31.7" E	574.02						11°14'38.6"(RT)	575.00	384.11	192.37
ST	520022.738	489412.596											
LINE			N 82°23'20.1" E	379.09									
POT	520072.947	489788.343											

EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	520057.088	489790.462							
LINE			N 82°23'20.1" E	87.08					
PC	520068.622	489876.777							
CURVE			N 67°23'58.4" E	1489.77	29°58'43.5"(LT)	01°59'22.0"	1506.90	771.12	2880.00
PT	520641.143	491252.139							
LINE			N 52°24'36.6" E	855.60					
PC	521163.062	491930.114							
CURVE			N 50°06'53.9" E	225.85	04°35'25.5"(LT)	02°01'55.1"	225.91	113.02	2819.72
PT	521307.887	492103.415							
LINE			N 47°49'11.1" E	1074.39					
PC	522029.304	492899.578							
CURVE			N 68°58'43.6" E	752.05	42°19'04.9"(RT)	05°30'00.0"	769.42	403.21	1041.74
PT	522299.074	493601.576							
LINE			S 89°51'44.0" E	252.15					
PC	522298.468	493853.723							
CURVE			N 84°24'31.1" E	571.96	11°27'29.9"(LT)	02°00'00.0"	572.92	287.42	2864.79
PT	522354.196	494422.962							
LINE			N 78°40'46.1" E	1174.20					
POT	522584.688	495574.316							

EY1

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	518915.675	487591.634											
LINE			N 13°40'12.7" W	61.82									
PC	518975.742	487577.025											
CURVE			N 07°31'51.1" W	87.88	12°16'43.3"(RT)	13°56'42.0"	88.05	44.19	410.87				
PT	519062.866	487565.507											
LINE			N 01°23'29.4" W	21.72									
TS	519084.585	487564.979											
SPIRAL			N 02°19'15.3" E	69.88						348°51'33.0"(RT)	70.00	46.76	23.42
SC	519154.410	487567.809											
CURVE			N 24°10'27.8" E	89.68	28°51'00.4"(RT)	31°49'51.6"	90.64	46.30	180.00				
CS	519236.226	487604.535											
SPIRAL			N 46°01'40.4" E	69.88						11°08'27.0"(RT)	70.00	46.76	23.42
ST	519284.746	487654.828											
LINE			N 49°44'25.1" E	224.39									
PC	519429.756	487826.062											
CURVE			N 50°05'47.2" E	6.22	00°42'44.1"(RT)	11°27'33.0"	6.22	3.11	500.00				
PT	519433.743	487830.830											
LINE			N 50°27'09.2" E	387.94									
PC	519680.751	488129.969											
CURVE			N 43°54'47.9" E	249.38	13°04'42.6"(LT)	05°13'59.0"	249.92	125.51	1094.88				
PT	519860.401	488302.930											
LINE			N 37°22'26.6" E	125.54									
PC	519960.166	488379.135											
CURVE			N 49°39'23.0" E	218.69	24°33'52.7"(RT)	11°08'49.3"	220.37	111.90	514.00				
PT	520101.737	488545.812											
LINE			N 61°56'19.3" E	71.22									
PC	520135.240	488608.660											
CURVE			N 59°10'52.8" E	92.36	05°30'53.0"(LT)	05°58'05.9"	92.40	46.24	960.00				
PT	520182.560	488687.982											
LINE			N 56°25'26.3" E	20.81									
POT	520194.067	488705.317											

**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.

REVISIONS

6/2/19

5/29/2018 11:51:11 AM \\server\projects\2018\31812-40 R-5735 ROW \$take\work\R5735\_1s\_1c-TABLES2.dgn



# SURVEY CONTROL SHEET

**W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION**

EY1A													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	521356.232	491478.214											
LINE			N 69°10'47.2" E	23.47									
PC	521364.574	491500.151											
CURVE			N 65°15'40.8" E	120.96	07°50'12.8"(LT)	06°28'26.8"	121.05	60.62	885.00				
PT	521415.192	491610.006											
LINE			N 61°20'34.4" E	300.78									
PC	521559.434	491873.938											
CURVE			N 52°09'00.5" E	202.86	18°23'07.7"(LT)	09°01'26.7"	203.74	102.75	634.92				
PT	521683.910	492034.124											
LINE			N 42°57'26.7" E	171.59									
PC	521809.488	492151.053											
CURVE			N 48°18'23.1" E	201.20	10°41'52.7"(RT)	05°18'33.5"	201.50	101.04	1079.16				
PT	521943.317	492301.293											
LINE			N 53°39'19.4" E	59.67									
PC	521978.679	492349.354											
CURVE			N 52°42'57.3" E	187.89	01°52'44.3"(LT)	01°00'00.0"	187.90	93.96	5729.58				
PT	522092.496	492498.846											
LINE			N 51°46'35.1" E	28.62									
PC	522110.202	492521.328											
CURVE			N 54°10'26.6" E	217.71	04°47'42.9"(RT)	02°12'06.8"	217.78	108.95	2602.11				
PT	522237.636	492697.851											
LINE			N 56°34'18.1" E	137.42									
PC	522313.342	492812.541											
CURVE			N 54°32'05.6" E	148.42	04°04'25.0"(LT)	02°44'38.8"	148.45	74.26	2087.96				
PT	522399.455	492933.423											
LINE			N 52°29'53.1" E	59.82									
TS	522435.873	492980.881											
SPIRAL			N 45°00'00.0" E	0.00						00°00'00.0"(RT)	0.00	0.00	0.00
SC	522435.873	492980.881											
CURVE			N 69°05'40.1" E	271.92	33°11'34.0"(RT)	12°02'12.9"	275.76	141.87	476.00				
CS	522532.901	493234.898											
SPIRAL			N 89°42'12.1" E	99.95						06°01'06.5"(RT)	100.00	66.71	33.37
ST	522533.419	493334.848											
LINE			S 88°17'26.5" E	79.16									
PC	522531.057	493413.973											
CURVE			N 89°58'41.3" E	35.72	03°27'44.6"(LT)	09°41'27.4"	35.73	17.87	591.23				
PT	522531.071	493449.695											
LINE			N 88°14'49.0" E	394.83									
PC	522543.150	493844.339											
CURVE			N 81°17'50.5" E	181.79	13°53'57.0"(LT)	07°37'37.7"	182.23	91.57	751.21				
PT	522570.655	494024.032											
LINE			N 74°20'52.0" E	41.90									
PC	522581.959	494064.377											
CURVE			N 78°14'04.4" E	86.45	07°46'24.9"(RT)	08°59'08.2"	86.51	43.32	637.64				
PT	522599.586	494149.006											
LINE			N 82°07'16.8" E	71.27									
PC	522609.355	494219.603											
CURVE			N 72°08'10.4" E	86.70	19°58'13.0"(LT)	22°55'05.9"	87.14	44.01	250.00				
PT	522635.950	494302.119											
LINE			N 62°09'03.9" E	19.12									
POT	522644.881	494319.025											

EY2									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	520757.944	490238.455							
CURVE			S 44°07'08.3" E	80.46	06°38'29.4"(RT)	08°15'00.0"	80.50	40.30	694.49
PT	520700.184	490294.466							
LINE			S 40°47'53.6" E	547.40					
POT	520285.790	490652.138							

EY3									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	521112.156	491863.987							
LINE			S 37°04'00.1" E	63.78					
PC	521061.267	491902.428							
CURVE			S 44°03'00.0" E	278.64	13°57'59.8"(LT)	05°00'00.0"	279.33	140.36	1145.92
PT	520860.999	492096.163							
LINE			S 51°01'59.9" E	22.37					
PC	520846.932	492113.554							
CURVE			S 62°01'05.3" E	148.04	21°58'10.9"(LT)	14°45'00.0"	148.95	75.40	388.45
PT	520846.932	492113.554							

EY4									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	521928.531	492788.364							
LINE			S 16°56'00.0" E	64.92					
PC	521866.424	492807.273							
CURVE			S 20°35'44.9" E	146.40	07°19'29.9"(LT)	05°00'00.0"	146.50	73.35	1145.92
PT	521729.381	492858.772							
LINE			S 24°15'29.9" E	98.76					
PC	521639.338	492899.349							
CURVE			S 18°59'15.0" E	210.53	10°32'29.8"(RT)	05°00'00.0"	210.83	105.71	1145.92
PT	521440.259	492967.849							
LINE			S 13°43'00.1" E	31.67					
POT	521409.496	492975.358							

EY5									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	523177.439	494247.232							
CURVE			S 03°28'56.8" E	119.03	06°49'26.9"(RT)	05°43'46.5"	119.10	59.62	1000.00
PT	523058.625	494254.462							
LINE			S 00°04'13.4" E	115.87					
PC	522942.755	494254.604							
CURVE			S 13°41'27.2" E	341.46	27°14'27.6"(LT)	07°54'10.3"	344.70	175.67	725.00
PT	522610.997	494335.423							
LINE			S 27°18'41.0" E	421.58					
PC	522236.410	494528.855							
CURVE			S 24°21'19.0" E	253.90	05°54'43.9"(RT)	02°19'39.1"	254.01	127.12	2461.65
PT	522005.107	494633.561							
LINE			S 21°23'57.1" E	154.82					
POT	521860.962	494690.049							

**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.

REVISIONS

6/2/09

5/29/2018 11:51:11 AM \\s:\projects\2018\31812-40 R-5735 ROW \$take\work\R5735\_1s\_1c-tables3.dgn



# PROPOSED ALIGNMENT CONTROL SHEET

L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	518775.7939	487486.2386
TS	19+85.11	519449.3973	488205.0517
SC	22+85.11	519647.6795	488430.0340
CS	30+55.74	519963.1520	489125.3540
ST	32+35.74	519990.7417	489303.2025
TS	37+43.88	520059.4234	489806.6790
SC	38+78.88	520078.7198	489940.2895
CS	52+37.63	520598.2663	491182.0341
ST	53+72.63	520679.8681	491289.5759
PC	61+46.43	521152.4345	491902.3114
PT	64+47.66	521345.6123	492133.3404
PC	74+77.13	522036.6115	492896.4405
PT	82+53.27	522306.9726	493605.0377
PC	85+22.16	522305.1272	493873.9217
PT	91+07.84	522360.7959	494455.9330
POT	102+48.42	522584.6876	495574.3165

Y1A			
TYPE	STATION	NORTH	EAST
POT	6+25.00	521316.3158	491260.2431
PC	6+66.02	521319.6090	491301.1310
PT	9+76.67	521407.8666	491596.6020
PC	12+92.72	521559.4340	491873.9380
PT	14+96.45	521683.9105	492034.1241
PC	16+68.04	521809.4880	492151.0527
PT	18+69.54	521943.3174	492301.2933
PC	19+29.21	521978.6792	492349.3542
PT	21+17.10	522092.4962	492498.8464
PC	21+45.72	522110.2023	492521.3278
PT	23+63.50	522237.6363	492697.8509
PC	25+00.92	522313.3416	492812.5407
PT	26+49.37	522399.4548	492933.4225
PC	27+09.19	522435.8733	492980.8807
CS	29+84.95	522532.9012	493234.8981
ST	30+84.95	522533.4187	493334.8478
PC	31+64.11	522531.0574	493413.9726
PT	31+99.84	522531.0711	493449.6952
PC	35+94.67	522543.1496	493844.3385
PT	37+76.90	522570.6551	494024.0323
PC	38+18.80	522581.9594	494064.3775
PT	39+05.31	522599.5860	494149.0065
PC	39+76.58	522609.3553	494219.6028
PT	40+63.71	522635.9498	494302.1194
POT	40+81.86	522644.4249	494318.1606

Y3A			
TYPE	STATION	NORTH	EAST
PC	10+00.00	521026.1147	491903.4274
PRC	10+34.05	520995.9248	491917.6942
PT	10+67.24	520966.3431	491931.3672
POT	10+75.15	520960.6345	491936.8466

Y1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	518882.1922	487599.7781
PC	10+96.28	518975.7419	487577.0247
PT	11+84.33	519062.8664	487565.5068
TS	12+06.05	519084.5849	487564.9792
SC	12+76.05	519154.4101	487567.8092
CS	13+66.69	519236.2262	487604.5349
ST	14+36.69	519296.0194	487640.7057
EOB	16+65.25	519429.7560	487826.0616
EOA	16+61.07	519429.7560	487826.0616
PT	16+67.29	519433.7433	487830.8297
PC	20+55.23	519680.7511	488129.9692
PT	23+05.15	519860.4007	488302.9303
PC	24+30.69	519960.1662	488379.1352
PT	26+51.06	520101.7365	488545.8119
PC	27+22.28	520135.2400	488608.6604
PT	28+14.68	520182.5603	488687.9823
POT	28+35.49	520194.0670	488705.3170

Y2			
TYPE	STATION	NORTH	EAST
PC	10+00.00	520757.9442	490238.4548
PT	10+80.50	520700.1837	490294.4657
POT	16+27.91	520285.7903	490652.1379

Y4			
TYPE	STATION	NORTH	EAST
POT	9+91.63	521936.5387	492785.9258
EOB	10+64.92	521866.4238	492807.2729
EOA	0+00.00	521866.4238	492807.2729
PT	1+46.50	521729.3813	492858.7723
EOB	2+45.26	521639.3383	492899.3495
EOA	0+00.00	521639.3383	492899.3495
PT	2+10.83	521440.2588	492967.8495
EOB	2+42.50	521409.4962	492975.3581
EOA	15+52.68	521409.4962	492975.3581

Y4A			
TYPE	STATION	NORTH	EAST
POT	10+00.00	522396.7980	492929.9528
PC	10+12.36	522386.9749	492937.4583
PT	10+84.91	522326.7303	492977.7867
POT	12+72.04	522165.0207	493071.9632

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	521431.0455	491639.0145
PC	11+79.62	521273.4319	491725.1522
PT	13+20.73	521155.4031	491802.2381
PC	14+66.21	521040.2039	491891.0844
PRC	15+24.54	521002.0107	491934.6825
PT	15+94.85	520958.7333	491989.8037
PC	15+94.85	520958.7333	491989.8037
PT	17+39.39	520860.9988	492096.1629
PC	17+61.28	520847.2351	492113.1798
PT	19+11.15	520777.5075	492244.7978

Y5			
TYPE	STATION	NORTH	EAST
POT	6+68.93	523177.4387	494247.2317
PC	6+68.93	523177.4387	494247.2317
PT	7+88.03	523058.6253	494254.4622
PC	9+41.94	522904.7171	494254.6512
PT	10+25.56	522821.5830	494262.5010
PC	10+68.48	522779.4150	494270.4823
PT	12+04.60	522651.1730	494314.6760
PC	16+71.40	522236.4102	494528.8554
PT	19+25.41	522005.1073	494633.5614
POT	20+80.23	521860.9615	494690.0492

### NOTES:

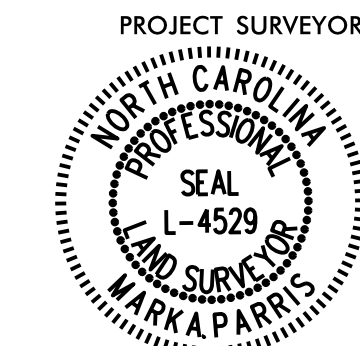
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

# RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. R-5735 SHEET NO. RW03E-1

## Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	32.80.00	-60.00	520056.1732	489338.9448
L	37.43.88	-60.00	520118.8728	489798.5692
L	38.78.91	-60.00	520137.9661	489930.8093
L	45.69.75	-60.00	520324.2458	490579.3168
L	46.33.91	-60.00	520349.3701	490636.8901
L	50.00.00	-44.00	520503.2157	490961.8719
L	50.00.00	-60.00	520516.8523	490953.5028
L	53.61.31	-44.00	520707.7992	491253.7436
L	59.31.67	-66.78	521074.1621	491691.4723
L	59.68.55	-105.97	521127.7138	491696.7388
L	65.77.05	-45.00	521465.8169	492199.0454
L	74.77.13	-45.00	522069.9681	492866.2356
L	82.53.27	-45.00	522351.9716	493605.3465
L	85.22.16	-45.00	522350.1262	493874.2305
L	86.53.38	-50.00	522357.1937	494003.1665

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	10.29.41	78.22	521367.7250	491584.4764
Y3	10.30.00	-50.00	521428.6987	491697.2768
Y3	10.65.86	80.25	521334.7665	491600.1791
Y3	11.79.62	-50.00	521297.4103	491769.0274
Y3	13.17.53	-50.00	521188.3327	491839.9911

REVISIONS

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

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

Witness my original signature, registration number and seal this 19th day of March, 2019.

DocuSigned by: F1570CB85C7248A... Professional Land Surveyor

L-4529  
PLS #

Seal


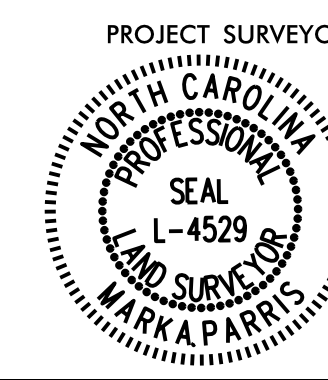
### NOTES:

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

I:\MAR-2019\0344... 6/2/19



# RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. R-5735	SHEET NO. RW03E-2
Location and Surveys	
	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	31-05.01	-82.26	520052.9678	489160.3712
L	31-25.00	-105.00	520078.7317	489177.2316
L	33-00.00	-100.00	520098.5094	489353.3547
L	33-50.00	-60.00	520065.6346	489408.3024
L	37-08.00	-60.00	520114.0229	489763.0172
L	37-60.00	-75.00	520135.9121	489812.4873
L	38-37.48	-75.90	520147.5087	489888.2607
L	40-89.27	-82.91	520200.3348	490127.4983
L	41-15.00	75.00	520052.8735	490189.5606
L	41-15.00	60.86	520066.5997	490186.1789
L	41-55.00	61.04	520076.4780	490225.8176
L	41-55.00	75.00	520062.9703	490229.3462
L	43-00.00	-72.23	520244.5915	490327.9271
L	43-42.55	-66.04	520251.5079	490369.3393
L	43-85.00	-70.00	520268.6219	490407.2857
L	44-15.00	-70.00	520278.4104	490434.8671
L	44-15.00	-60.00	520269.0039	490438.2610
L	45-48.00	62.89	520202.4845	490606.7054
L	45-48.00	100.00	520168.2023	490620.9051
L	45-70.00	100.00	520176.9956	490641.9063
L	45-70.00	63.00	520211.0662	490627.4868
L	45-93.60	63.12	520220.4481	490649.7049
L	46-24.47	-90.69	520373.6197	490615.9597
L	46-59.50	71.00	520240.7632	490714.4961
L	46-68.50	63.51	520251.4321	490719.7107
L	46-79.00	-60.00	520367.7955	490677.0084
L	46-90.00	-60.00	520372.3859	490686.7507
L	46-90.00	-75.00	520385.9428	490680.3311
L	47-20.00	-75.00	520398.5839	490706.6691
L	47-20.00	-60.00	520385.0950	490713.2303
L	48-19.08	-60.00	520429.0276	490799.7144
L	48-19.08	-78.71	520445.5609	490790.9528
L	50-00.00	-67.50	520523.2445	490949.5797
L	50-56.00	-44.00	520532.5154	491008.5822
L	50-56.00	-65.00	520550.1954	490997.2499
L	52-85.00	-44.00	520661.6846	491193.4852
L	52-85.00	-65.00	520678.4423	491180.8242
L	53-61.33	-67.16	520726.1512	491239.6158
L	65-75.39	58.00	521388.3544	492266.9521
L	65-77.13	-53.82	521472.4152	492193.1849
L	67-20.00	60.00	521483.9371	492375.4878
L	67-52.50	51.50	521512.0525	492393.8733
L	67-94.00	51.50	521539.9081	492424.6355
L	68-00.00	55.00	521541.3411	492431.4324
L	68-79.00	-50.00	521672.1995	492419.5136
L	68-90.00	55.00	521601.7509	492498.1456
L	69-10.00	52.00	521617.3991	492510.9570
L	69-10.00	47.71	521620.5796	492508.0771
L	69-20.00	-45.00	521696.0133	492453.2612
L	69-20.00	-55.00	521703.4259	492446.5490
L	69-40.00	-45.00	521709.4377	492468.0864
L	69-40.00	-55.00	521716.8503	492461.3742
L	69-89.00	-55.00	521749.7401	492497.6958
L	69-89.00	-45.00	521742.3275	492504.4080
L	70-09.00	-45.00	521755.7519	492519.2332
L	70-09.00	-55.00	521763.1645	492512.5210
L	71-45.00	-55.00	521854.4505	492613.3320
L	71-45.00	-45.00	521847.0379	492620.0442
L	71-65.00	-55.00	521867.8749	492628.1572
L	71-65.00	-45.00	521860.4623	492634.8694
L	72-42.00	-52.00	521917.3351	492687.2477
L	73-16.76	59.88	521884.5782	492817.7615
L	74-77.13	60.00	521992.1382	492936.7161
L	75-51.94	-49.70	522123.9327	492923.0091
L	76-00.00	55.00	522068.7297	493024.0344
L	76-65.88	-53.23	522195.2526	493018.9496
L	77-82.00	57.00	522154.1550	493173.3681
L	78-50.58	-54.16	522283.3603	493191.7115
L	79-00.00	58.00	522195.3596	493276.9240
L	80-05.00	-56.00	522333.8249	493346.0994
L	80-25.00	60.00	522225.0334	493391.0175
L	81-30.00	-55.00	522355.2161	493475.9128
L	81-30.00	-45.00	522345.2777	493477.0215
L	81-50.00	-45.00	522347.3920	493497.7750
L	81-50.00	-55.00	522357.3497	493496.8567
L	81-70.00	58.00	522246.3817	493526.0587
L	83-01.58	-55.32	522361.9578	493653.7276
L	85-36.79	-59.22	522364.2794	493888.6601
L	86-05.18	66.13	522239.6508	493958.4072
L	86-53.17	-59.33	522366.5114	494002.6048

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1A	39-30.00	30.00	522573.2537	494177.5767
Y1A	39-30.00	40.00	522563.3481	494178.9475
Y1A	39-60.00	40.00	522567.4604	494208.6643
Y1A	39-60.00	30.00	522577.3660	494207.2935
Y1A	40-26.00	-30.00	522649.2393	494257.7039

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	10-95.00	-50.00	521371.6608	491728.4486
Y3	11-00.00	-85.00	521384.0582	491761.5591
Y3	11-25.00	-50.00	521345.3357	491742.8356
Y3	11-28.00	-80.00	521357.0902	491770.5995

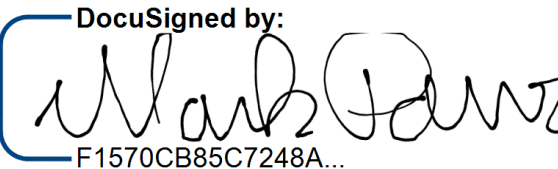
ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y5	8-30.00	110.00	523016.5214	494144.5138
Y5	8-60.00	40.00	522986.6074	494214.5506
Y5	8-90.00	110.00	522956.5214	494144.5875
Y5	9-30.00	39.55	522916.6080	494215.0819
Y5	9-80.75	37.61	522862.6679	494218.9019
Y5	9-87.00	45.50	522855.1306	494211.6942
Y5	10-50.00	47.00	522788.8323	494220.8654
Y5	11-15.00	48.50	522720.5248	494234.8502

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

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

Witness my original signature, registration number and seal this 19th day of March, 2019.

DocuSigned by:  
  
 F1570CB85C7248A...

L-4529  
 PLS #

Seal

### NOTES:

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

REVISIONS

I:\MAR-2019\0339\16\Surveys\2018\31812-40\_R-5735\_ROW\_Stake\Send\5735\_1s\_rw03e-2.dgn  
 19-MAR-2019 10:39 AM  
 Mark A. Parris  
 Professional Land Surveyor



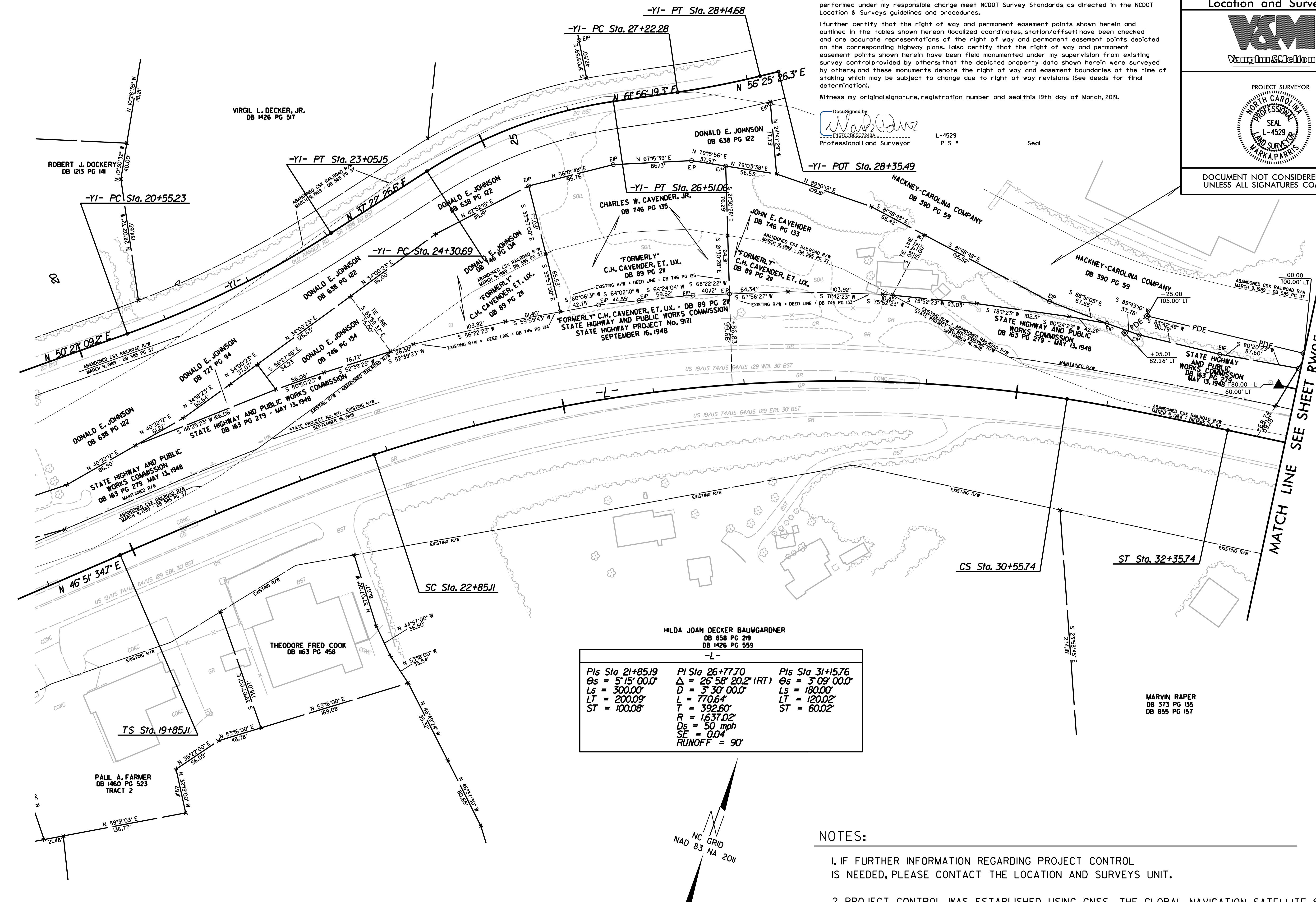
PROJECT REFERENCE NO. R-5735	SHEET NO. RW04
<b>Location and Surveys</b>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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

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

Witness my original signature, registration number and seal this 19th day of March, 2019.

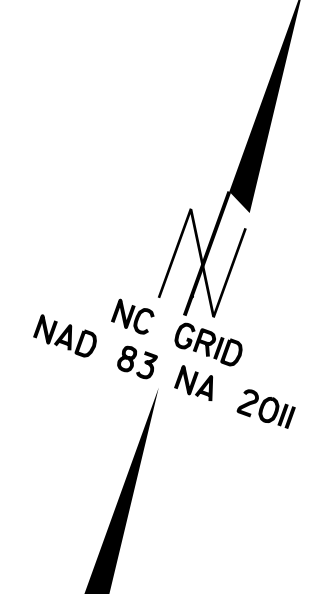
DocuSigned by:  
  
L-4529 PLS Seal  
Professional Land Surveyor



HILDA JOAN DECKER BAUMGARDNER  
DB 858 PG 219  
DB 1426 PG 559

-L-

Pls Sta 21+85.19 θs = 5°15'00.0"	Pls Sta 26+77.70 Δ = 26°58'20.2" (RT) D = 3°30'00.0"	Pls Sta 31+15.76 θs = 3°09'00.0"
Ls = 300.00'	L = 770.64'	Ls = 180.00'
LT = 200.09'	T = 392.60'	LT = 120.02'
ST = 100.08'	R = 1,637.02'	ST = 60.02'
	Ds = 50 mph	
	SE = 0.04	
	RUNOFF = 90'	



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

REVISIONS

MATCH LINE SEE SHEET RW05

19-MAR-2019 11:04  
 I:\Projects\2018\31812-40\_R-5735\_ROW\Task\Send\RW\_SHEETS\_3-5-19\RE735-1s-RW04.dgn  
 Location: V:\Projects\2018\31812-40\_R-5735\_ROW\Task\Send\RW\_SHEETS\_3-5-19\RE735-1s-RW04.dgn



PROJECT REFERENCE NO. R-5735	SHEET NO. RW05
<b>Location and Surveys</b>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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

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

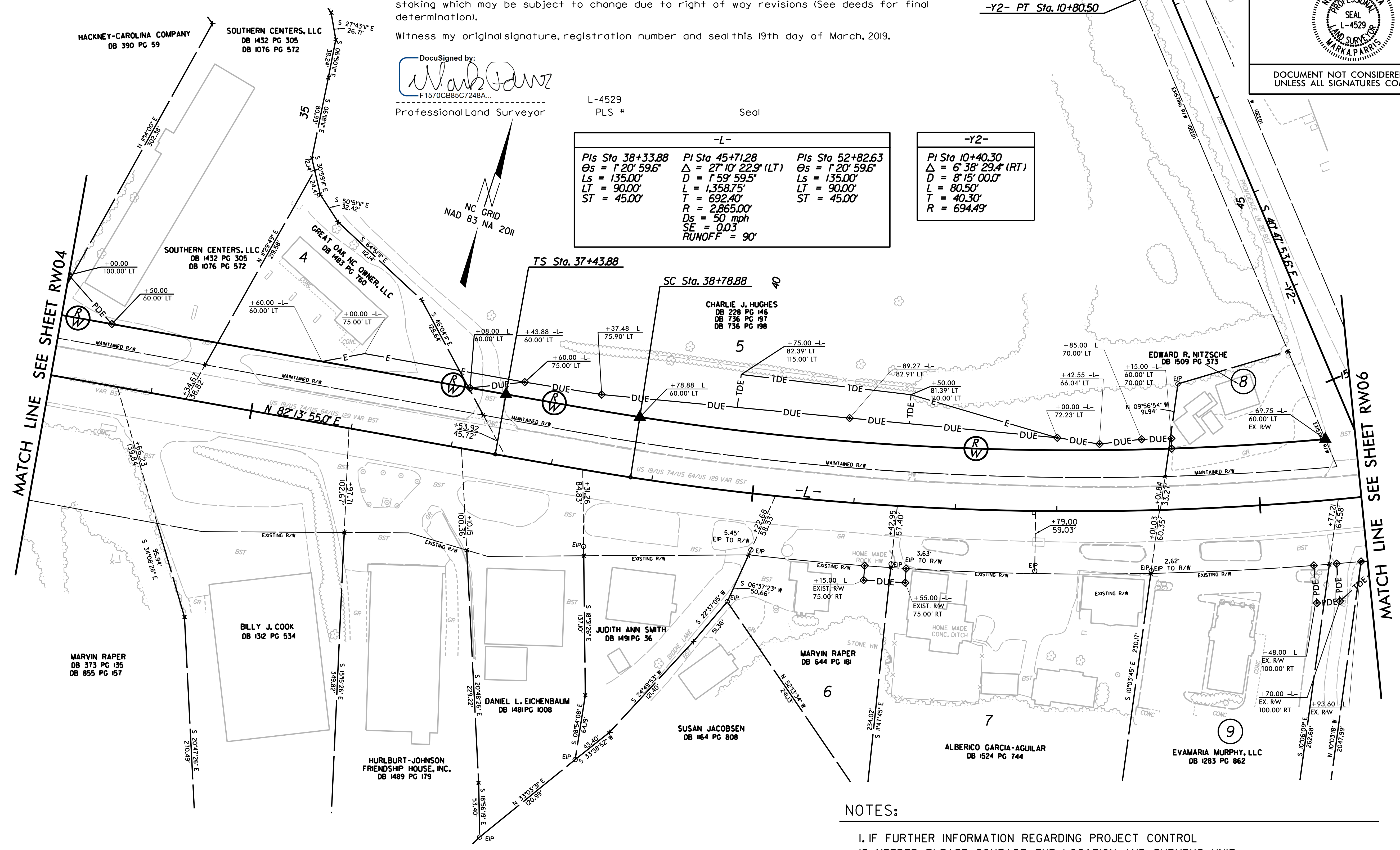
Witness my original signature, registration number and seal this 19th day of March, 2019.

DocuSigned by:  
  
F1570CB85C7248A...  
Professional Land Surveyor

L-4529  
PLS # Seal

-L-		
PIs Sta 38+33.88	PI Sta 45+71.28	PIs Sta 52+82.63
$\theta_s = 1' 20' 59.6"$	$\Delta = 27' 10' 22.9" (LT)$	$\theta_s = 1' 20' 59.6"$
$L_s = 135.00'$	$D = 1' 59' 59.5"$	$L_s = 135.00'$
$LT = 90.00'$	$L = 1,358.75'$	$LT = 90.00'$
$ST = 45.00'$	$T = 692.40'$	$ST = 45.00'$
	$R = 2,865.00'$	
	$D_s = 50 \text{ mph}$	
	$SE = 0.03'$	
	$RUNOFF = 90'$	

-Y2-
PI Sta 10+40.30
$\Delta = 6' 38' 29.4" (RT)$
$D = 8' 15' 00.0"$
$T = 80.50'$
$R = 694.49'$



**NOTES:**

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

REVISIONS

19-MAR-2019 11:13  
 I:\Projects\2018\31812-40\_R-5735\_ROW\Task\Send\RW\_SHEETS\_3-5-19\RE735-1s-RW05.dgn  
 Location: V:\Projects\2018\31812-40\_R-5735\_ROW\Task\Send\RW\_SHEETS\_3-5-19\RE735-1s-RW05.dgn



PROJECT REFERENCE NO. R-5735	SHEET NO. RW06
<b>Location and Surveys</b>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

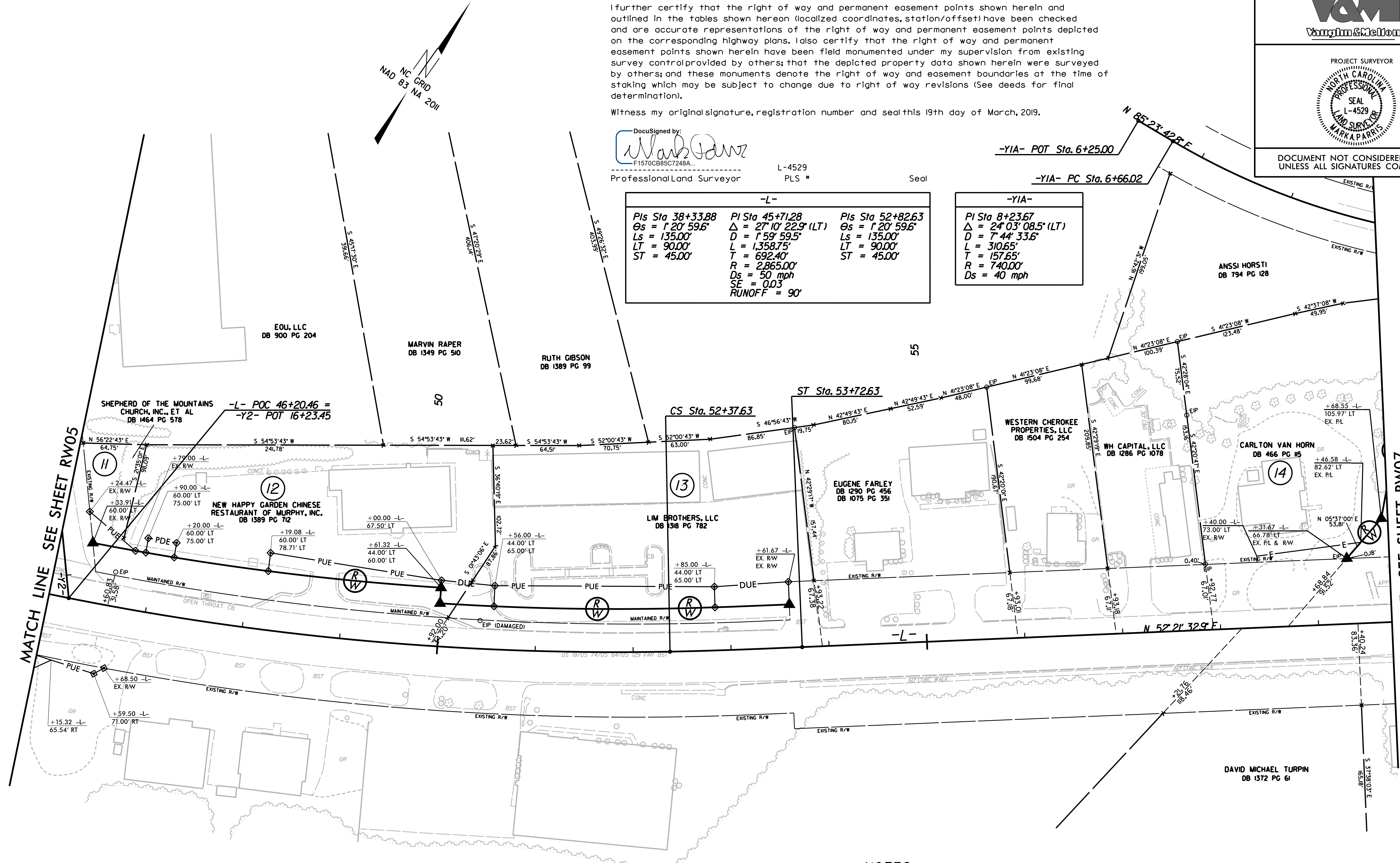
I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and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

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

Witness my original signature, registration number and seal this 19th day of March, 2019.

DocuSigned by:  
  
F1570CB85C7248A... L-4529  
Professional Land Surveyor PLS # Seal

-L-			-YIA-	
Pls Sta 38+33.88	PI Sta 45+71.28	Pls Sta 52+82.63	PI Sta 8+23.67	
Os = 1' 20" 59.6"	Δ = 27' 10" 22.9" (LT)	Os = 1' 20" 59.6"	Δ = 24' 03" 08.5" (LT)	
Ls = 135.00'	D = 1' 59" 59.5"	Ls = 135.00'	D = 7' 44" 33.6"	
LT = 90.00'	L = 1,358.75'	LT = 90.00'	L = 310.65'	
ST = 45.00'	T = 692.40'	ST = 45.00'	T = 157.65'	
	R = 2,865.00'		R = 740.00'	
	Ds = 50 mph		Ds = 40 mph	
	SE = 0.03			
	RUNOFF = 90'			



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

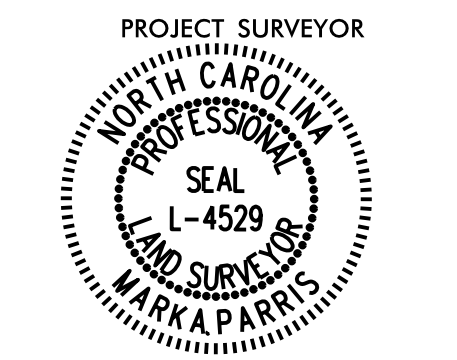
REVISIONS

19-MAR-2019 11:24  
I:\Projects\2018\31812-40\_R-5735\_ROW\Drawings\Send\RW\_SHEETS\_3-5-19\RE735-1s-RW06.dgn  
Location: V:\Projects\2018\31812-40\_R-5735\_ROW\Drawings\Send\RW\_SHEETS\_3-5-19\RE735-1s-RW06.dgn

6/2/19



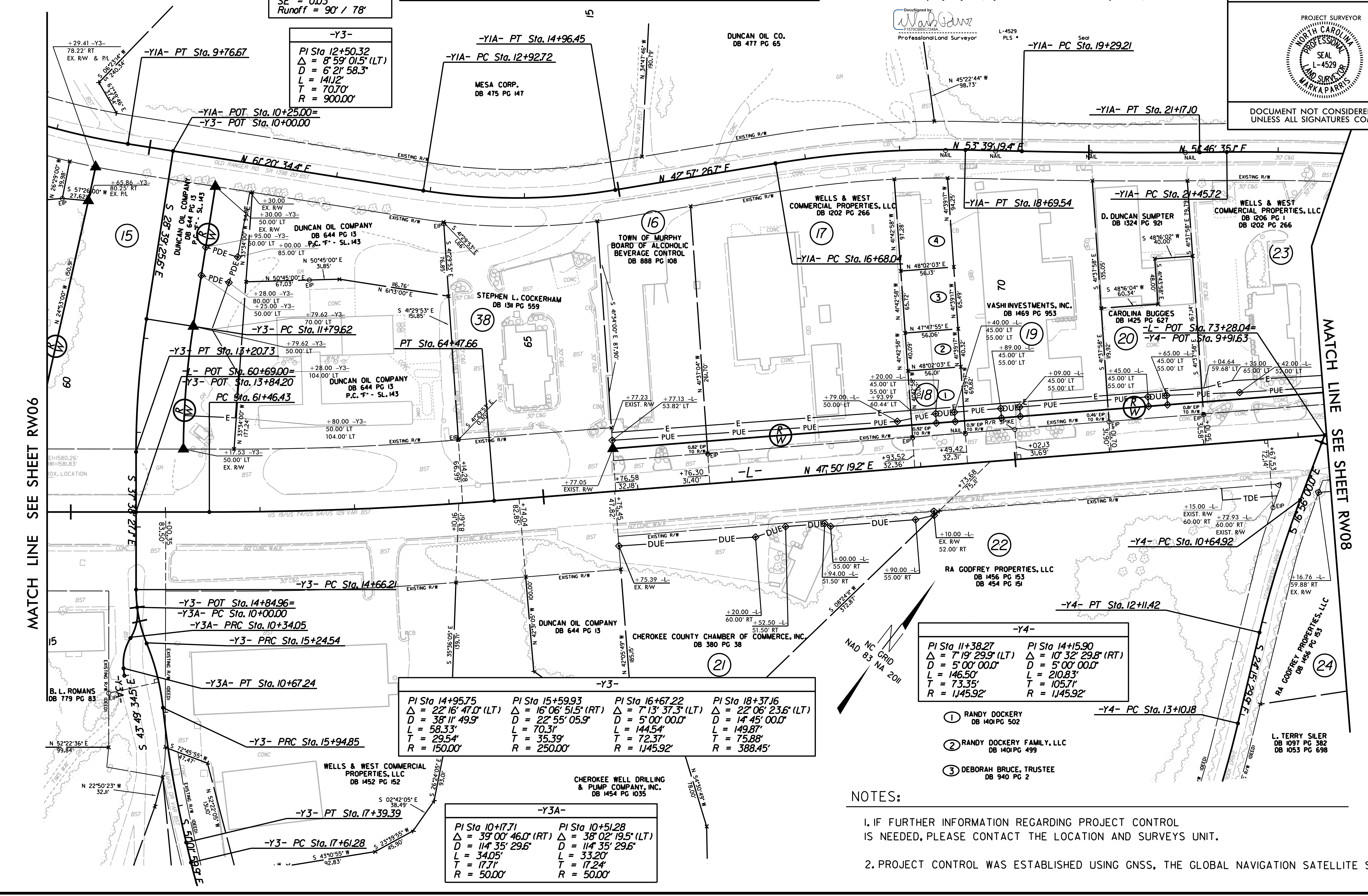
Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, MARK A. PARRIS, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures. I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon located coordinates, station offsets have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination). Witness my original signature, registration number and seal this 19th day of March, 2019.

Mark A. Parris Professional Land Surveyor L-4529 PLS



**-L-**

PI Sta 62+97.12
$\Delta = 4' 31'' 13.7''$ (LT)
D = 1' 30'' 02.4'
L = 301.23'
T = 150.69'
R = 3,818.00'
Ds = 50 mph / 40 mph
SE = 0.03
Runoff = 90' / 78'

**-Y1A-**

PI Sta 13+95.47	PI Sta 17+69.08	PI Sta 20+23.16	PI Sta 22+54.67
$\Delta = 18' 23'' 07.7''$ (LT)	$\Delta = 10' 41'' 52.7''$ (RT)	$\Delta = 1' 52'' 44.3''$ (LT)	$\Delta = 4' 47'' 42.9''$ (RT)
D = 9' 01'' 26.7'	D = 5' 18'' 33.5'	D = 1' 00'' 00.0'	D = 2' 12'' 06.8'
L = 203.74'	L = 201.50'	L = 187.90'	L = 217.78'
T = 102.75'	T = 101.04'	T = 93.96'	T = 108.95'
R = 634.92'	R = 1,079.16'	R = 5,729.58'	R = 2,602.11'
Ds = 40 mph	Ds = 40 mph	Ds = 40 mph	Ds = 40 mph

**-Y3-**

PI Sta 12+50.32
$\Delta = 8' 59'' 01.5''$ (LT)
D = 6' 21'' 58.3'
L = 141.12'
T = 70.70'
R = 900.00'

**-Y4-**

PI Sta 11+38.27	PI Sta 14+15.90
$\Delta = 7' 19'' 29.9''$ (LT)	$\Delta = 10' 32'' 29.8''$ (RT)
D = 5' 00'' 00.0'	D = 5' 00'' 00.0'
L = 146.50'	L = 210.83'
T = 73.35'	T = 105.71'
R = 1,445.92'	R = 1,445.92'

**-Y3-**

PI Sta 14+95.75	PI Sta 15+59.93	PI Sta 16+67.22	PI Sta 18+37.16
$\Delta = 22' 16'' 47.0''$ (LT)	$\Delta = 16' 06'' 51.5''$ (RT)	$\Delta = 7' 13'' 37.3''$ (LT)	$\Delta = 22' 06'' 23.6''$ (LT)
D = 38' 11'' 49.9'	D = 22' 55'' 05.9'	D = 5' 00'' 00.0'	D = 14' 45'' 00.0'
L = 58.33'	L = 70.31'	L = 144.54'	L = 149.87'
T = 29.54'	T = 35.39'	T = 72.37'	T = 75.88'
R = 150.00'	R = 250.00'	R = 1,445.92'	R = 388.45'

**-Y3A-**

PI Sta 10+17.71	PI Sta 10+51.28
$\Delta = 39' 00'' 46.0''$ (RT)	$\Delta = 38' 02'' 19.5''$ (LT)
D = 114' 35'' 29.6'	D = 114' 35'' 29.6'
L = 34.05'	L = 33.20'
T = 17.71'	T = 17.24'
R = 50.00'	R = 50.00'

NOTES:

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

MATCH LINE SEE SHEET RW06

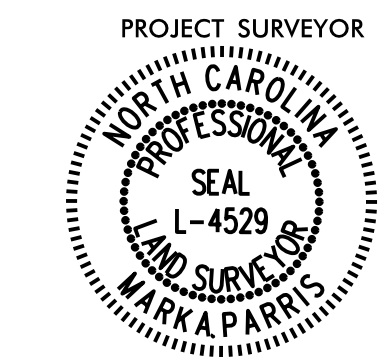
MATCH LINE SEE SHEET RW08

REVISIONS

19-MAR-2019 13:13 C:\Users\parrism\OneDrive\Work\Projects\2018\31812-40\_R-5735\_ROW\Task\Send\RW\_SHEETS\_3-5-19\RE735-1s-RW07.dgn



Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

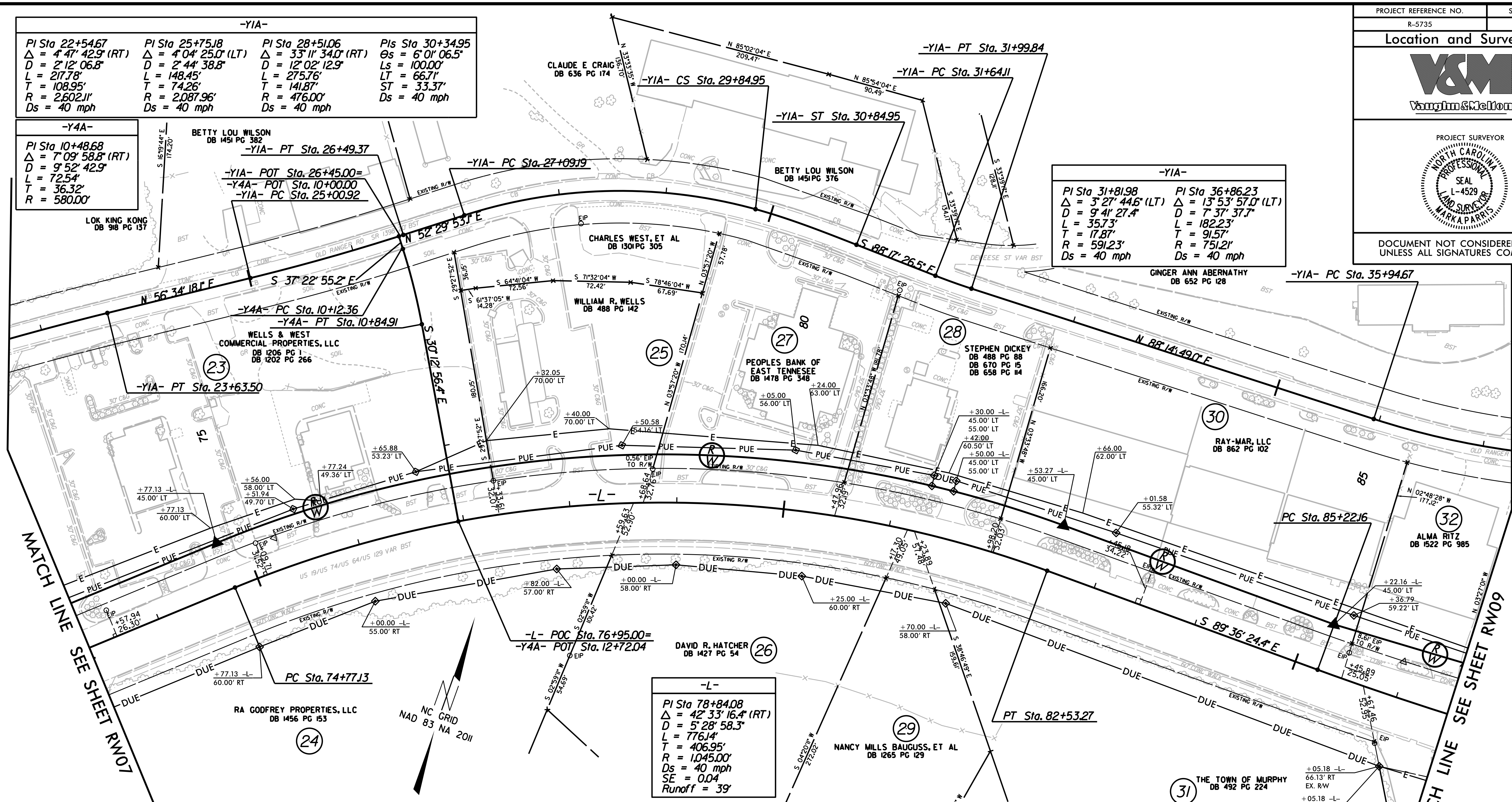
-YIA-			
PI Sta 22+54.67 Δ = 4° 47' 42.9" (RT) D = 2' 12" 06.8" L = 217.78' T = 108.95' R = 2,602.11' Ds = 40 mph	PI Sta 25+75.18 Δ = 4° 04' 25.0" (LT) D = 2' 44' 38.8" L = 148.45' T = 74.26' R = 2,087.96' Ds = 40 mph	PI Sta 28+51.06 Δ = 33° 11' 34.0" (RT) D = 12° 02' 12.9" L = 275.76' T = 141.87' R = 476.00' Ds = 40 mph	PIs Sta 30+34.95 Θs = 6° 01' 06.5" Ls = 100.00' ST = 66.71' Ds = 40 mph

-Y4A-	
PI Sta 10+48.68 Δ = 7° 09' 58.8" (RT) D = 9' 52" 42.9" L = 72.54' T = 36.32' R = 580.00'	BETTY LOU WILSON DB 1451 PG 382

-YIA-	
PI Sta 31+81.98 Δ = 3° 27' 44.6" (LT) D = 9' 41' 27.4" L = 35.73' T = 17.87' R = 591.23' Ds = 40 mph	PI Sta 36+86.23 Δ = 13° 53' 57.0" (LT) D = 7' 37' 37.7" L = 182.23' T = 91.57' R = 751.21' Ds = 40 mph

-L-	
PI Sta 78+84.08 Δ = 42° 33' 16.4" (RT) D = 5' 28" 58.3" L = 776.14' T = 406.95' R = 1,045.00' Ds = 40 mph SE = 0.04 Runoff = 39'	DAVID R. HATCHER DB 1427 PG 54

-L-	
PI Sta 88+16.02 Δ = 11° 42' 49.5" (LT) D = 2' 00" 00.0" L = 585.69' T = 293.87' R = 2,864.79' Ds = 40 mph SE = 0.03 Runoff = 39'	THE TOWN OF MURPHY DB 492 PG 224



MATCH LINE SEE SHEET RW07

MATCH LINE SEE SHEET RW09

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

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

Witness my original signature, registration number and seal this 15th day of March, 2019.

DocuSigned by:  
  
E1570CB89C7248A

L-4529  
PLS #  
Seal

NOTES:

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

REVISIONS

19-MAR-2019 13:27  
 I:\Projects\2018\131812-40\_R-5735\_ROW\Task\Send\RW\_SHEETS\_3-5-19\RE735-1s-RW08.dgn  
 6/2/2019



Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

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

Witness my original signature, registration number and seal this 15th day of March, 2019.

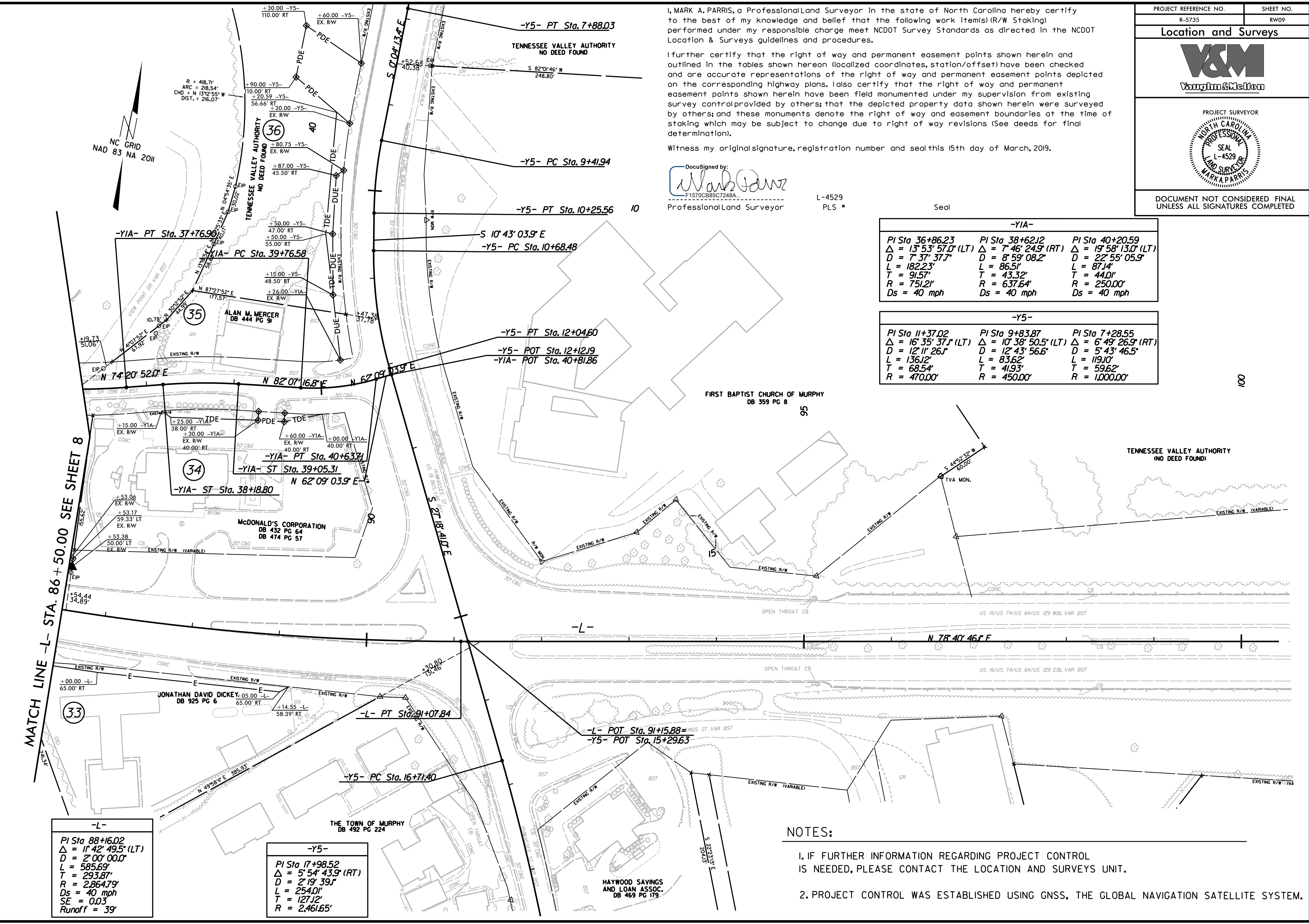
DocuSigned by: Mark A. Parris F1570CB85C7248A... Professional Land Surveyor

L-4529 PLS #

Seal

-YIA-		
PI Sta 36+86.23 Δ = 13° 53' 57.0" (LT) D = 7' 37' 37.7" L = 182.23' T = 91.57' R = 751.21' Ds = 40 mph	PI Sta 38+62.12 Δ = 7° 46' 24.9" (RT) D = 8' 59' 08.2" L = 86.51' T = 43.32' R = 637.64' Ds = 40 mph	PI Sta 40+20.59 Δ = 19° 58' 13.0" (LT) D = 22' 55' 05.9" L = 87.14' T = 44.01' R = 250.00' Ds = 40 mph

-Y5-		
PI Sta 11+37.02 Δ = 16° 35' 37.1" (LT) D = 12' 11' 26.1" L = 136.12' T = 68.54' R = 470.00'	PI Sta 9+83.87 Δ = 10° 38' 50.5" (LT) D = 12' 43' 56.6" L = 83.62' T = 41.93' R = 450.00'	PI Sta 7+28.55 Δ = 6° 49' 26.9" (RT) D = 5' 43' 46.5" L = 119.10' T = 59.62' R = 1,000.00'



-L-
PI Sta 88+16.02 Δ = 1° 42' 49.5" (LT) D = 2' 00' 00.0" L = 585.69' T = 293.87' R = 2,864.79' Ds = 40 mph SE = 0.03 Runoff = 39'

-Y5-
PI Sta 17+98.52 Δ = 5° 54' 43.9" (RT) D = 2' 19' 39.1" L = 254.01' T = 127.12' R = 2,461.65'

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.

19-MAR-2019 13:42 C:\Users\parris\OneDrive\Surveys\Projects\2018\31812-40\_R-5735\_ROW\Stake\Send\RW\_SHEETS\_3-5-19\RE735-1s-RW09.dgn

REVISIONS

MATCH LINE -L- STA. 86 + 50.00 SEE SHEET 8