

4/19/18

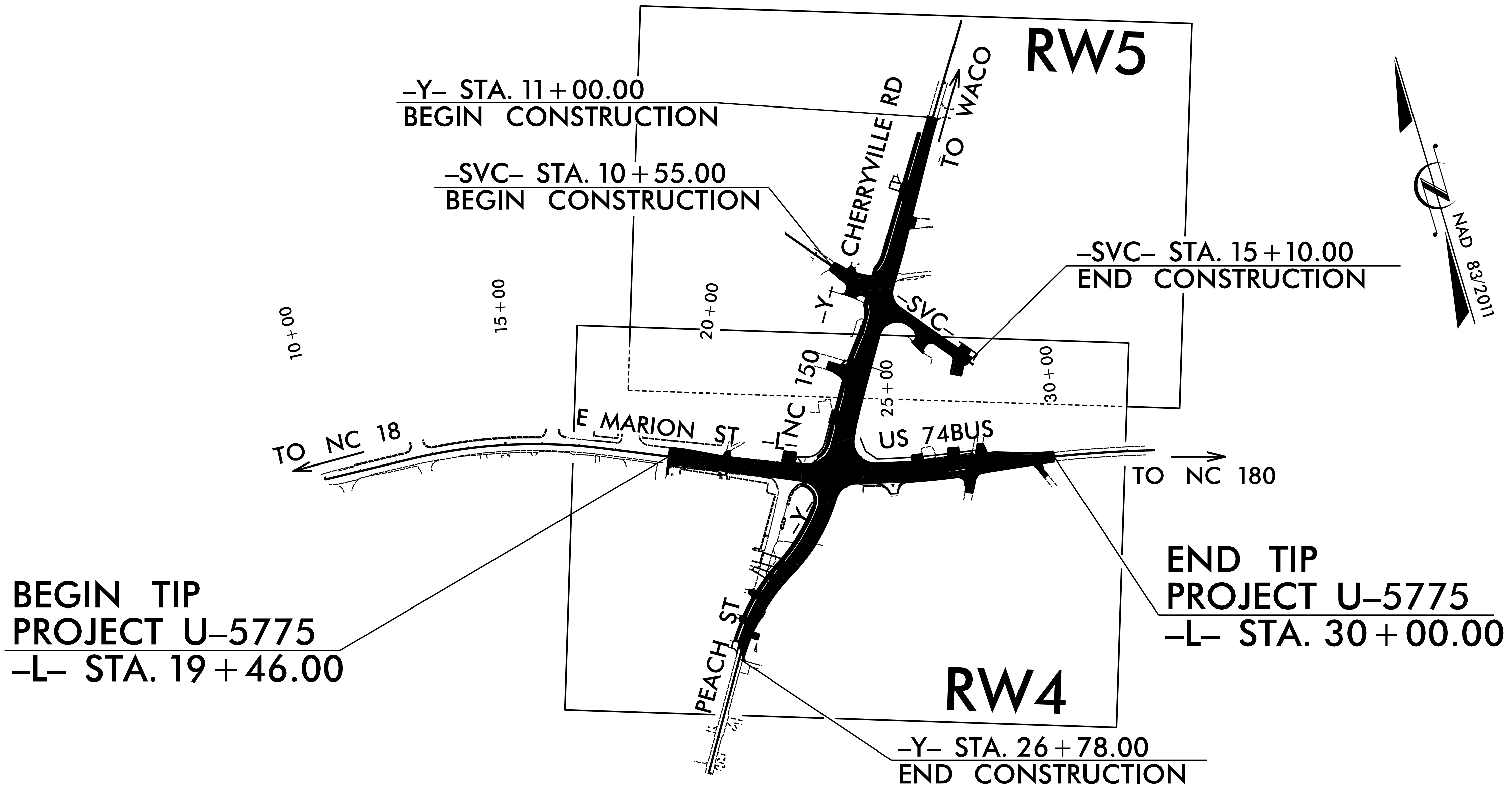
TIP PROJECT: U-5775

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5775	RW01	

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

**CLEVELAND COUNTY**



GRAPHIC SCALE



PLANS

**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U5775-1" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 571,815.817(ft) EASTING: 1,250,453.485(ft) ELEVATION: 857.32(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998380

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U5775-1" TO -L- STATION 19+46.00 IS N 59°56'49.7" W 233.04(ft)

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

Prepared in the Office of:

**DIVISION OF HIGHWAYS**

1000 Birch Ridge Dr., Raleigh NC, 27610

2017 STANDARD SPECIFICATIONS

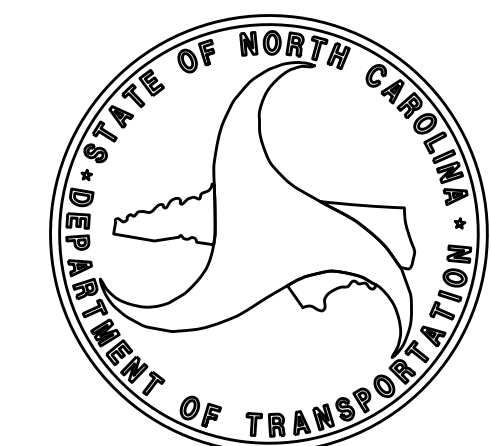
RIGHT OF WAY DATE:  
NOVEMBER 1, 2017

LETTING DATE:

PROFESSIONAL LAND  
SURVEYOR



SIGNATURE: \_\_\_\_\_

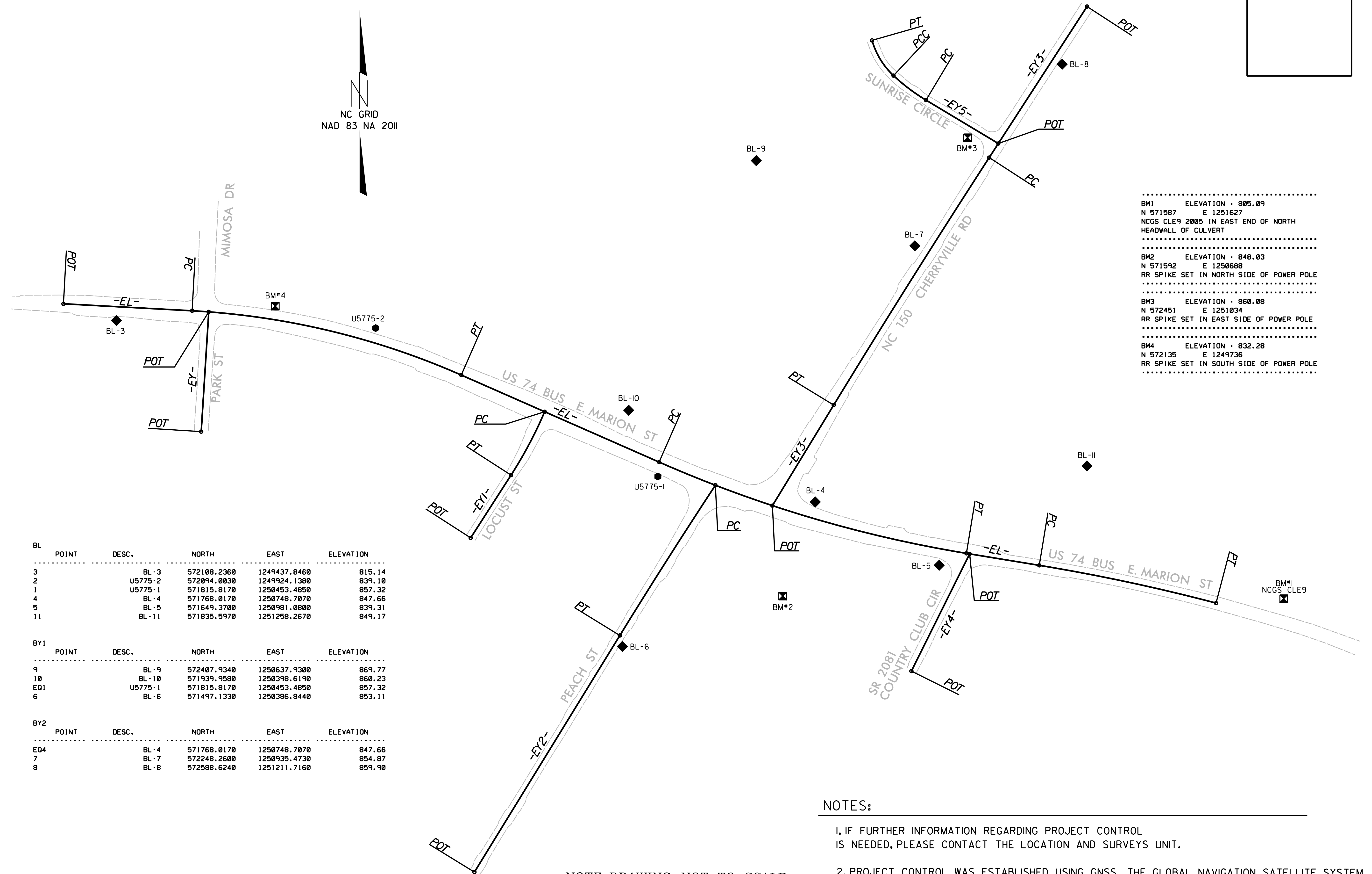


3/27/19

PROJECT REFERENCE NO.	SHEET NO.
U-5775	RW02C-1
Location and Surveys	

# SURVEY CONTROL SHEET

## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



.....  
 BM1 ELEVATION = 805.09  
 N 571587 E 1251627  
 NCGS CLE9 2005 IN EAST END OF NORTH  
 HEADWALL OF CULVERT  
 .....  
 BM2 ELEVATION = 848.03  
 N 571592 E 1250688  
 RR SPIKE SET IN NORTH SIDE OF POWER POLE  
 .....  
 BM3 ELEVATION = 860.08  
 N 572451 E 1251034  
 RR SPIKE SET IN EAST SIDE OF POWER POLE  
 .....  
 BM4 ELEVATION = 832.28  
 N 572135 E 1249736  
 RR SPIKE SET IN SOUTH SIDE OF POWER POLE  
 .....

BL	POINT	DESC.	NORTH	EAST	ELEVATION
3	BL-3		572108.2360	1249437.8460	815.14
2	U5775-2		572094.0030	1249924.1380	839.10
1	U5775-1		571815.8170	1250453.4850	857.32
4	BL-4		571768.0170	1250748.7070	847.66
5	BL-5		571649.3700	1250981.0800	839.31
11	BL-11		571835.5970	1251258.2670	849.17

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
9	BL-9		572407.9340	1250637.9300	869.77
10	BL-10		571939.9580	1250398.6190	860.23
E01	U5775-1		571815.8170	1250453.4850	857.32
6	BL-6		571497.1330	1250386.8440	853.11

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
E04	BL-4		571768.0170	1250748.7070	847.66
7	BL-7		572248.2600	1250935.4730	854.87
8	BL-8		572588.6240	1251211.7160	859.90

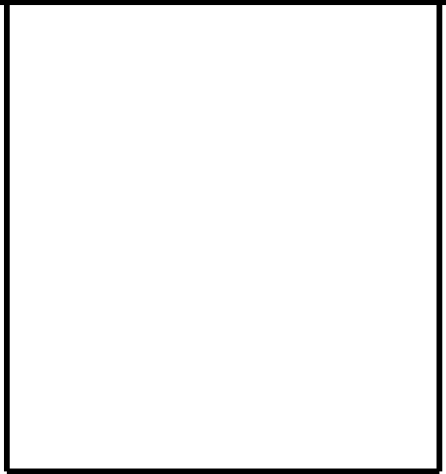
- NOTES:
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
  - PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

NOTE: DRAWING NOT TO SCALE

P:\MAR-2019\0634... 3/27/19

# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



E1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	572139.571	1249338.548	S 86°53'12.4" E	241.70					
LINE									
PC	572126.445	1249579.890	S 76°34'39.6" E	518.98	20°37'05.7"(RT)	03°57'05.2"	521.79	263.75	1450.00
CURVE									
PT	572005.975	1250084.695	S 66°16'06.7" E	405.36					
LINE									
PC	571842.837	1250455.781	S 73°27'53.9" E	601.30	14°23'34.3"(LT)	02°23'14.4"	602.89	303.04	2400.00
CURVE									
PT	571671.705	1251032.217	S 80°39'41.1" E	138.48					
LINE									
PC	571649.235	1251168.862	S 77°57'45.4" E	339.02	05°23'51.4"(RT)	01°35'29.6"	339.14	169.70	3600.00
CURVE									
PT	571649.235	1251168.862							

EY				
POINT	N	E	BEARING	DIST
POT	572124.411	1249611.077		
LINE			S 03°36'31.4" W	224.95
POT	571899.912	1249596.919		

EY1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	571937.207	1250241.119	S 27°56'50.9" W	134.51	09°38'43.0"(RT)	07°09'43.1"	134.67	67.50	800.00
CURVE									
PT	571818.380	1250178.078	S 32°46'12.4" W	139.91					
LINE									
POT	571700.736	1250102.348							

EY2									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	571799.391	1250561.354	S 32°28'14.1" W	333.81	01°46'15.6"(LT)	00°31'49.9"	333.83	166.93	10800.00
CURVE									
PT	571517.763	1250382.140	S 31°35'06.3" W	520.77					
LINE									
POT	571074.140	1250109.381							

EY3									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	572696.805	1251258.454	S 32°56'33.7" W	337.40					
LINE									
PC	572413.655	1251074.977	S 32°09'27.7" W	548.01	01°34'11.9"(LT)	00°17'11.3"	548.02	274.03	20000.00
CURVE									
PT	571949.720	1250783.300	S 31°22'21.8" W	220.81					
LINE									
POT	571761.189	1250668.343							

EY4				
POINT	N	E	BEARING	DIST
POT	571670.719	1251038.265		
LINE			S 26°26'12.2" W	245.40
POT	571450.985	1250929.013		

EY5									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	572440.042	1251092.076	N 59°03'25.6" W	158.19					
LINE									
PC	572521.379	1250956.402	N 52°58'31.1" W	76.28	12°09'48.9"(RT)	15°54'55.8"	76.43	38.36	360.00
CURVE									
PCC	572567.313	1250895.500	N 31°24'48.3" W	77.40	30°57'36.8"(RT)	39°30'51.6"	78.35	40.16	145.00
CURVE									
PT	572567.313	1250895.500							

**NOTES:**

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

# PROPOSED ALIGNMENT CONTROL SHEET

4/20/18

REVISIONS

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	572139.5715	1249338.5476
PC	12+41.70	572126.4450	1249579.8897
PT	17+63.49	572005.9755	1250084.6949
PC	22+19.36	571822.5108	1250502.0165
PT	27+21.77	571679.9010	1250982.3804
PC	29+10.75	571649.2345	1251168.8618
PT	32+49.89	571578.5328	1251500.4229
POT	32+75.46	571572.0305	1251525.1447

Y

TYPE	STATION	NORTH	EAST
POT	8+25.00	572843.6673	1251353.6193
PC	13+37.40	572413.6550	1251074.9772
PT	18+85.42	571949.7203	1250783.3001
PC	21+47.66	571725.8219	1250646.7783
PRC	24+02.75	571546.8229	1250468.3667
PT	26+55.84	571369.5308	1250291.0003
POT	30+02.60	571074.1404	1250109.3809

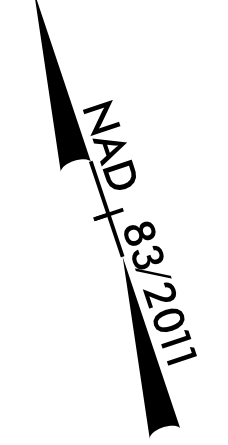
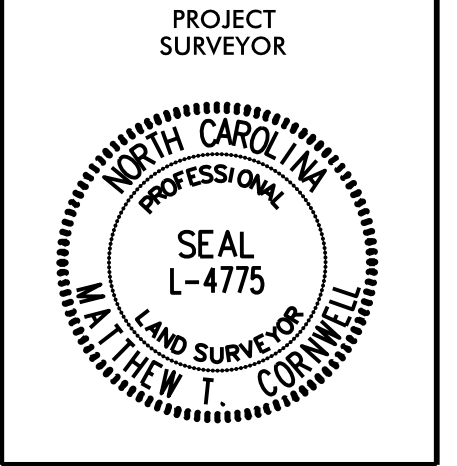
SVC

TYPE	STATION	NORTH	EAST
POT	9+00.00	572424.9260	1250728.4621
POT	15+25.00	571935.9528	1251117.7309

**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 INFORMATINO REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

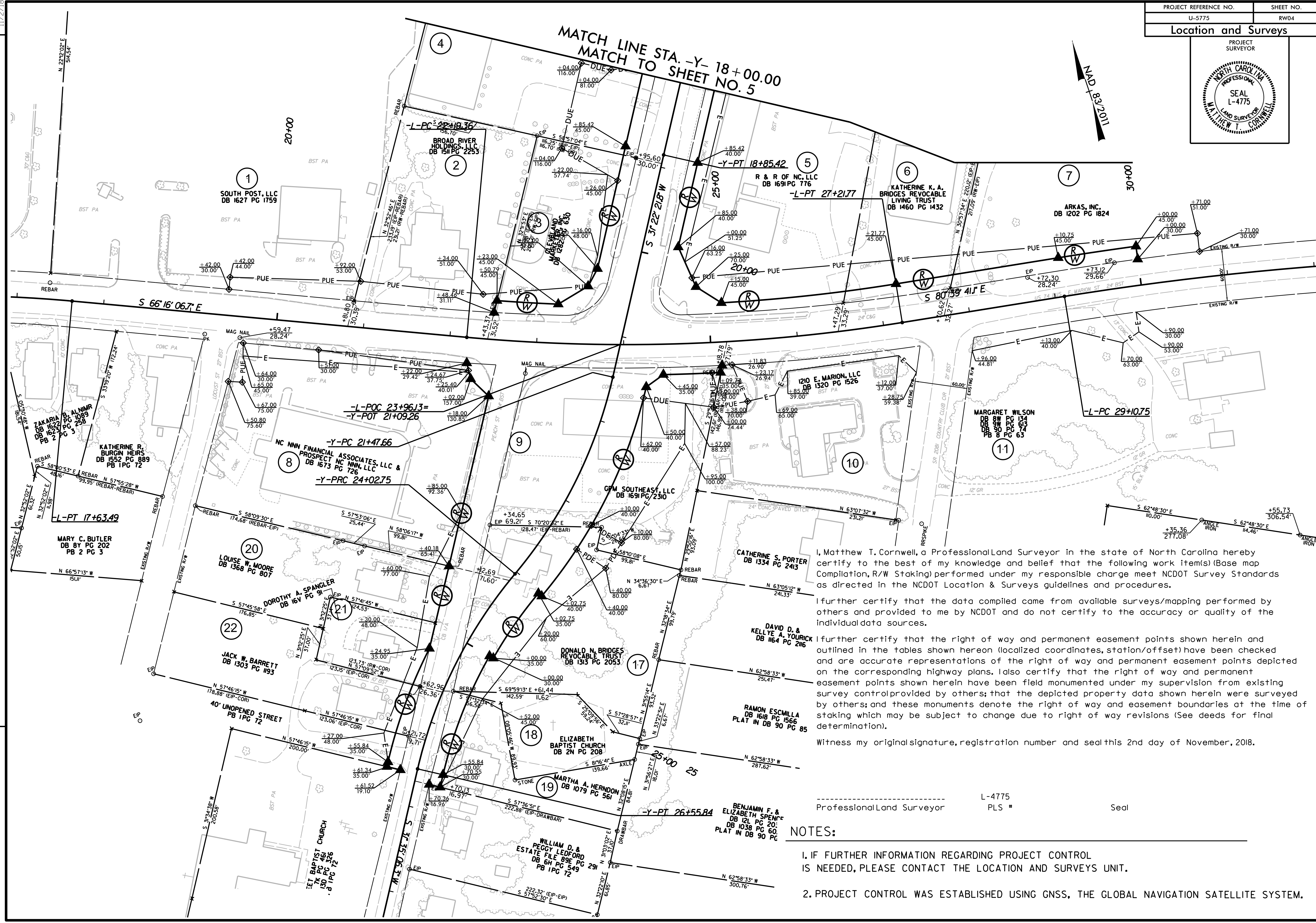




MATCH LINE STA. -Y- 18+00.00  
MATCH TO SHEET NO. 5

RIGHT OF WAY REVISION #4 - NOVEMBER 2, 2018 - PARCEL 10 - REMOVED ALL PERMANENT RIGHT OF WAY AND REVISED EASEMENTS.

11/2/18



I, Matthew T. Cornwell, 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) (Base Map Compilation, 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 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.

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).

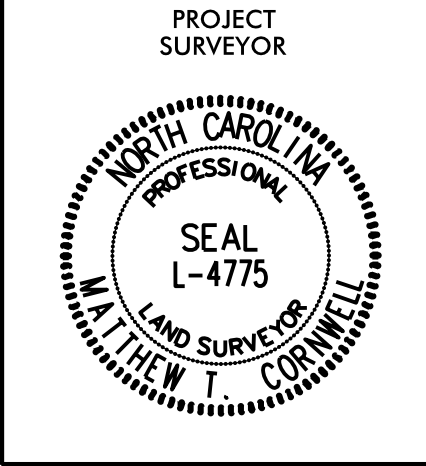
Witness my original signature, registration number and seal this 2nd day of November, 2018.

Professional Land Surveyor L-4775 PLS # Seal

**NOTES:**

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- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

Location and Surveys



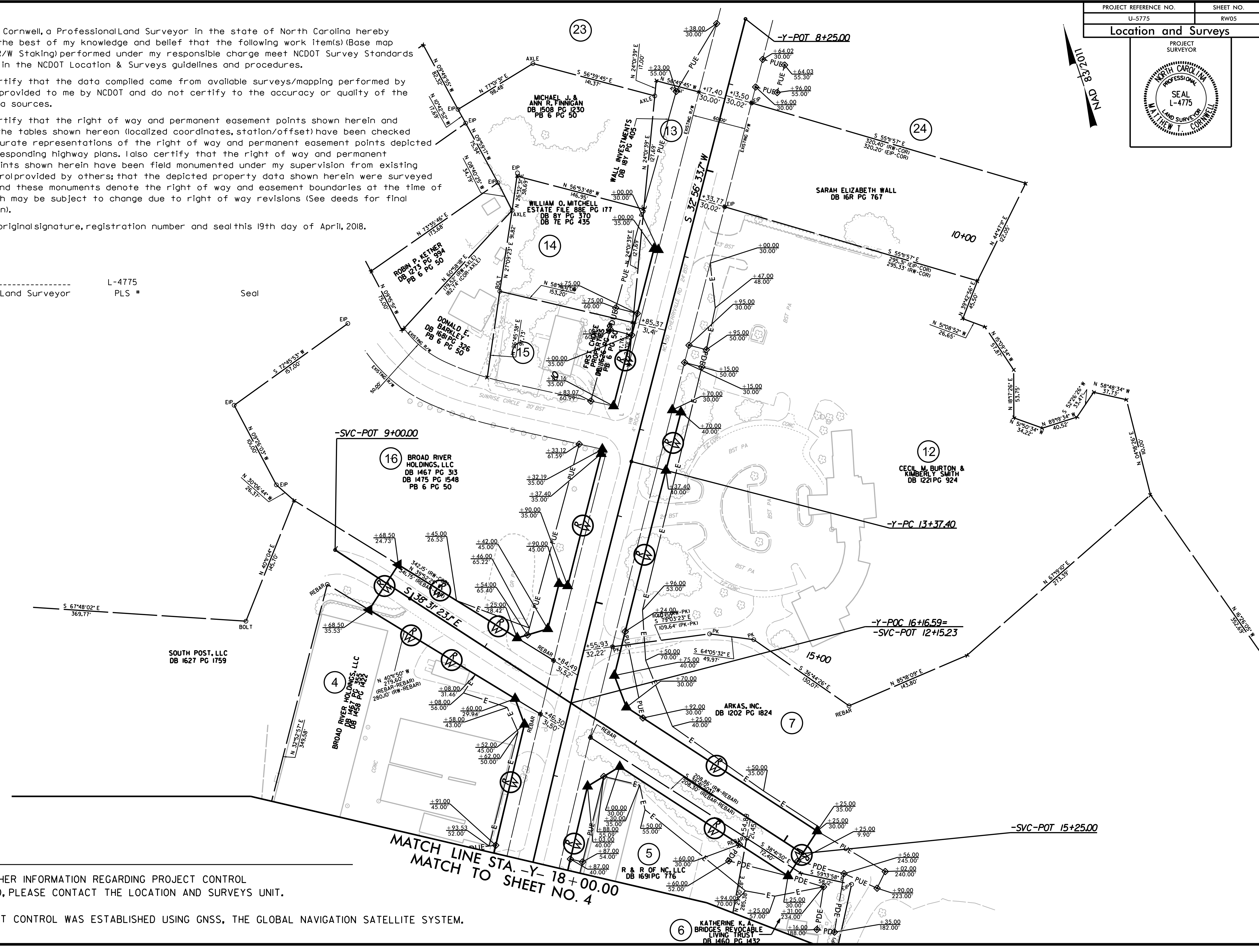
I, Matthew T. Cornwell, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location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

I further certify that the 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.

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Witness my original signature, registration number and seal this 19th day of April, 2018.

----- L-4775  
Professional Surveyor PLS # Seal



NOTES:

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MATCH LINE STA. -Y- 18+00.00  
MATCH TO SHEET NO. 4

REVISIONS

4/19/18