

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-------|-----------------------------|-----------|--------------|
| N.C.  | U-5312                      | RW01      | 16           |

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

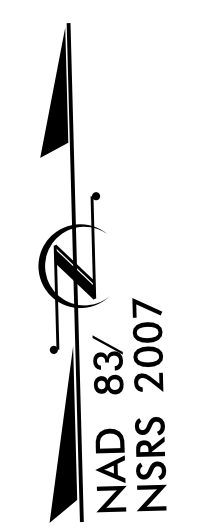
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SURVEY CONTROL, EXISTING CENTERLINES,  
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

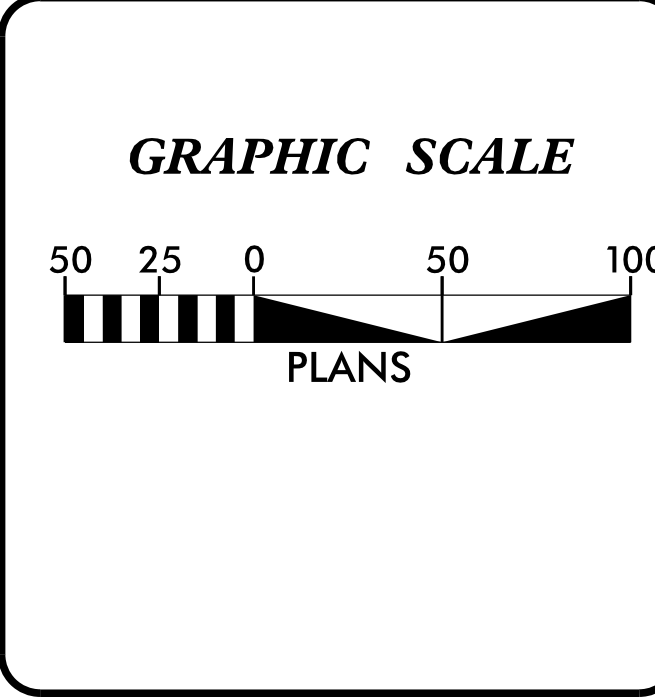
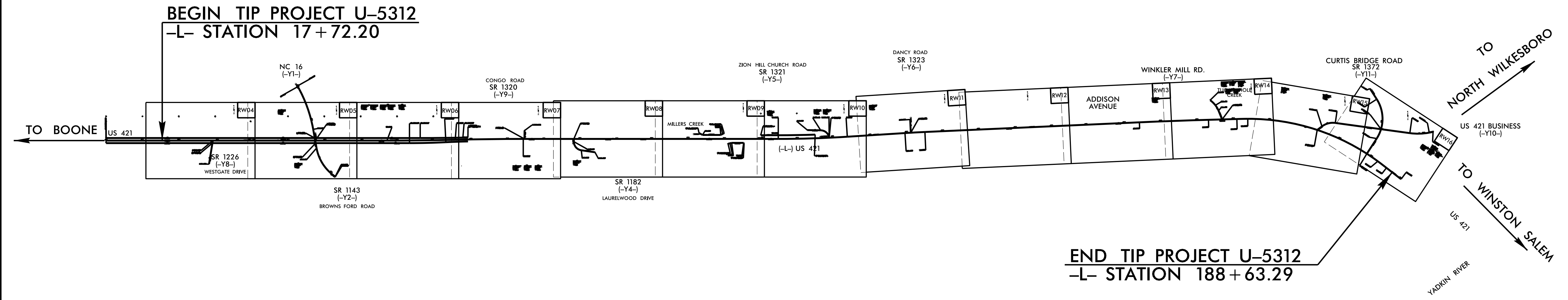
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**WILKES COUNTY**

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**TIP PROJECT: U-5312**



**DATUM DESCRIPTION**

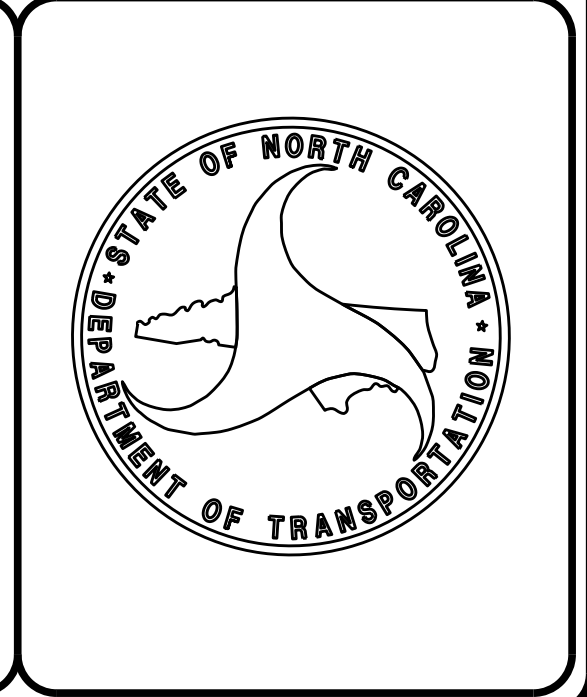
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "U5312-3" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 880632.6248(ft) EASTING: 1349407.7322(ft) ELEVATION: 1152.99(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9999461029 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U5312-3" TO -L- STATION 17+72.20 IS N 88-43'49.80" W 10339.179(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

|   |  |
|---|--|
| <b>2017 STANDARD SPECIFICATIONS</b>       |  |
| <b>RIGHT OF WAY DATE:</b><br>OCTOBER 2018 |  |
| <b>LETTING DATE:</b>                      |  |

**PROFESSIONAL LAND SURVEYOR**

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



\$\$\$\$ C:\\$TIME\$\$\$\$ DGN\$\$\$\$ USERNAME\$\$\$\$

# PROPOSED ALIGNMENT CONTROL SHEET

6/2/99

REVISIONS

L

| POINT  | N          | E           | BEARING         | DIST    | DELTA           | D           | L       | T      | R        | DELTA S         | Ls     | LT     | ST    |
|--------|------------|-------------|-----------------|---------|-----------------|-------------|---------|--------|----------|-----------------|--------|--------|-------|
| POT    | 880882.286 | 1338299.166 |                 |         |                 |             |         |        |          |                 |        |        |       |
| LINE   |            |             | S 88°28'18.0" E | 3861.76 |                 |             |         |        |          |                 |        |        |       |
| PC     | 880779.287 | 1342159.552 |                 |         |                 |             |         |        |          |                 |        |        |       |
| CURVE  |            |             | S 89°09'39.0" E | 938.19  | 01°22'42.0"(LT) | 00°08'48.9" | 938.21  | 469.13 | 39000.00 |                 |        |        |       |
| PCC    | 880765.546 | 1343097.639 |                 |         |                 |             |         |        |          |                 |        |        |       |
| CURVE  |            |             | S 89°09'47.0" E | 935.15  | 01°22'26.0"(RT) | 00°08'48.9" | 935.17  | 467.61 | 39000.00 |                 |        |        |       |
| PT     | 880751.887 | 1344032.688 |                 |         |                 |             |         |        |          |                 |        |        |       |
| LINE   |            |             | S 88°28'34.0" E | 3505.42 |                 |             |         |        |          |                 |        |        |       |
| PC     | 880658.665 | 1347536.867 |                 |         |                 |             |         |        |          |                 |        |        |       |
| CURVE  |            |             | N 89°42'36.8" E | 949.47  | 03°37'38.3"(LT) | 00°22'55.1" | 949.63  | 474.97 | 15000.00 |                 |        |        |       |
| PT     | 880663.467 | 1348486.322 |                 |         |                 |             |         |        |          |                 |        |        |       |
| LINE   |            |             | N 87°53'47.7" E | 794.41  |                 |             |         |        |          |                 |        |        |       |
| PC     | 880692.625 | 1349280.196 |                 |         |                 |             |         |        |          |                 |        |        |       |
| CURVE  |            |             | N 88°25'15.6" E | 274.59  | 01°02'55.9"(RT) | 00°22'55.1" | 274.59  | 137.30 | 15000.00 |                 |        |        |       |
| PT     | 880700.191 | 1349554.678 |                 |         |                 |             |         |        |          |                 |        |        |       |
| LINE   |            |             | N 88°56'43.5" E | 2951.11 |                 |             |         |        |          |                 |        |        |       |
| PC     | 880754.505 | 1352505.285 |                 |         |                 |             |         |        |          |                 |        |        |       |
| CURVE  |            |             | N 89°26'25.7" E | 950.43  | 00°59'24.4"(RT) | 00°06'15.0" | 950.44  | 475.23 | 55000.00 |                 |        |        |       |
| PT     | 880763.786 | 1353455.670 |                 |         |                 |             |         |        |          |                 |        |        |       |
| LINE   |            |             | N 89°56'08.0" E | 390.24  |                 |             |         |        |          |                 |        |        |       |
| TS     | 880764.226 | 1353845.907 |                 |         |                 |             |         |        |          |                 |        |        |       |
| SPIRAL |            |             | S 89°35'13.2" E | 150.00  |                 |             |         |        |          | 01°25'56.6"(RT) | 150.00 | 100.00 | 50.00 |
| SC     | 880763.144 | 1353995.899 |                 |         |                 |             |         |        |          |                 |        |        |       |
| CURVE  |            |             | S 70°22'14.7" E | 1880.11 | 36°31'21.4"(RT) | 01°54'35.5" | 1912.32 | 989.91 | 3000.00  |                 |        |        |       |
| CS     | 880131.555 | 1355766.746 |                 |         |                 |             |         |        |          |                 |        |        |       |
| SPIRAL |            |             | S 51°09'16.3" E | 150.00  |                 |             |         |        |          | 01°25'56.6"(RT) | 150.00 | 100.00 | 50.00 |
| ST     | 880037.475 | 1355883.568 |                 |         |                 |             |         |        |          |                 |        |        |       |
| LINE   |            |             | S 50°40'37.4" E | 254.69  |                 |             |         |        |          |                 |        |        |       |
| POT    | 879876.079 | 1356080.594 |                 |         |                 |             |         |        |          |                 |        |        |       |

Y7

| POINT | N          | E           | BEARING         | DIST   | DELTA           | D           | L      | T     | R      |
|-------|------------|-------------|-----------------|--------|-----------------|-------------|--------|-------|--------|
| PC    | 881033.233 | 1353485.950 |                 |        |                 |             |        |       |        |
| CURVE |            |             | S 44°19'40.8" E | 99.80  | 15°17'45.4"(RT) | 15°16'51.1" | 100.10 | 50.35 | 374.95 |
| PT    | 880961.840 | 1353555.688 |                 |        |                 |             |        |       |        |
| LINE  |            |             | S 36°40'48.1" E | 0.00   |                 |             |        |       |        |
| PC    | 880961.837 | 1353555.690 |                 |        |                 |             |        |       |        |
| CURVE |            |             | S 28°32'14.2" E | 87.88  | 16°17'07.8"(RT) | 18°28'05.8" | 88.18  | 44.39 | 310.24 |
| PT    | 880884.630 | 1353597.675 |                 |        |                 |             |        |       |        |
| LINE  |            |             | S 20°23'40.3" E | 128.70 |                 |             |        |       |        |
| POT   | 880763.997 | 1353642.525 |                 |        |                 |             |        |       |        |

Y11

| POINT | N          | E           | BEARING         | DIST   | DELTA           | D           | L      | T      | R      |
|-------|------------|-------------|-----------------|--------|-----------------|-------------|--------|--------|--------|
| POT   | 880239.135 | 1355619.481 |                 |        |                 |             |        |        |        |
| LINE  |            |             | N 34°29'10.5" E | 248.17 |                 |             |        |        |        |
| PC    | 880443.694 | 1355759.999 |                 |        |                 |             |        |        |        |
| CURVE |            |             | N 01°38'26.1" E | 542.38 | 65°41'29.0"(LT) | 11°27'33.0" | 573.27 | 322.79 | 500.00 |
| PT    | 880985.850 | 1355775.527 |                 |        |                 |             |        |        |        |
| LINE  |            |             | N 31°12'18.4" W | 174.73 |                 |             |        |        |        |
| POT   | 881135.303 | 1355684.997 |                 |        |                 |             |        |        |        |

**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.

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6/2/19

# RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. U5312 SHEET NO. RW03E-1

## ROW MARKER PERMANENT EASEMENT-E

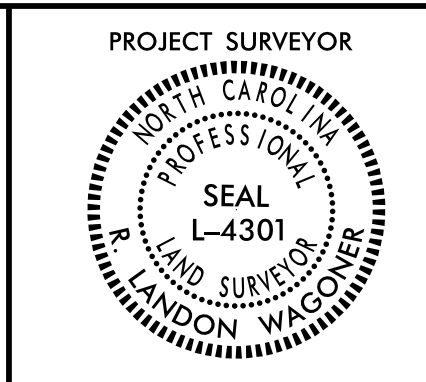
| ALIGN | STATION   | OFFSET  | NORTH       | EAST         |
|-------|-----------|---------|-------------|--------------|
| L     | 25+82.00  | -124.56 | 880964.6116 | 1339883.9250 |
| L     | 25+82.00  | -157.00 | 880997.0355 | 1339884.7901 |
| L     | 26+13.00  | -157.00 | 880996.2087 | 1339915.7791 |
| L     | 26+64.00  | -124.53 | 880962.3877 | 1339965.8949 |
| L     | 45+73.00  | -124.22 | 880911.1641 | 1341874.2076 |
| L     | 46+85.00  | -150.00 | 880933.9479 | 1341986.8553 |
| L     | 50+40.00  | -150.00 | 880924.9034 | 1342341.0539 |
| L     | 50+85.00  | -123.90 | 880897.8452 | 1342385.3237 |
| L     | 61+65.00  | -106.11 | 880868.9831 | 1343463.9283 |
| L     | 61+83.00  | -128.00 | 880890.6528 | 1343482.2482 |
| L     | 61+97.00  | 156.40  | 880606.0991 | 1343492.6534 |
| L     | 61+97.00  | 185.00  | 880577.5012 | 1343492.2873 |
| L     | 62+40.00  | -128.00 | 880889.8997 | 1343539.4303 |
| L     | 62+40.00  | -105.14 | 880867.0442 | 1343539.1126 |
| L     | 63+00.00  | 164.06  | 880596.9888 | 1343595.1118 |
| L     | 63+00.00  | 186.00  | 880575.0540 | 1343594.7731 |
| L     | 100+37.00 | -103.34 | 880767.3862 | 1347336.1268 |
| L     | 100+37.00 | -120.00 | 880784.0362 | 1347336.5697 |
| L     | 101+80.00 | -120.00 | 880780.2333 | 1347479.5192 |
| L     | 103+00.00 | -152.00 | 880809.1634 | 1347599.7286 |
| L     | 104+25.00 | -130.00 | 880784.8807 | 1347723.1258 |
| L     | 105+00.18 | -130.00 | 880784.0017 | 1347797.6486 |
| L     | 110+00.00 | 245.00  | 880412.7625 | 1348302.1122 |
| L     | 110+40.00 | 247.00  | 880411.7943 | 1348342.8058 |
| L     | 143+95.00 | 114.08  | 880625.4373 | 1351692.2303 |
| L     | 143+95.00 | 130.00  | 880609.5221 | 1351692.5233 |
| L     | 144+10.00 | 130.00  | 880609.7982 | 1351707.5207 |
| L     | 144+10.00 | 114.07  | 880625.7239 | 1351707.2276 |
| L     | 145+70.00 | 127.00  | 880615.7425 | 1351867.4384 |
| L     | 145+70.00 | 113.86  | 880628.8779 | 1351867.1966 |
| L     | 145+90.00 | 127.00  | 880616.1105 | 1351887.4350 |
| L     | 145+90.00 | 113.83  | 880629.2745 | 1351887.1927 |
| L     | 148+15.00 | 135.00  | 880612.2530 | 1352112.5442 |
| L     | 148+15.00 | 113.74  | 880633.5047 | 1352112.1530 |
| L     | 148+35.00 | 113.73  | 880633.8896 | 1352132.1493 |
| L     | 148+35.00 | 135.00  | 880612.6211 | 1352132.5408 |
| L     | 149+28.00 | 127.00  | 880622.3313 | 1352225.3778 |
| L     | 149+28.00 | 113.59  | 880635.7403 | 1352225.1309 |
| L     | 149+48.00 | 113.55  | 880636.1434 | 1352245.1269 |
| L     | 149+48.00 | 127.00  | 880622.6994 | 1352245.3744 |
| L     | 167+34.00 | -104.66 | 880866.7747 | 1354032.5631 |
| L     | 168+08.00 | -147.00 | 880905.4208 | 1354111.5772 |
| L     | 168+50.00 | -112.44 | 880868.0253 | 1354152.9977 |
| L     | 171+46.00 | -150.30 | 880867.7001 | 1354464.1409 |
| L     | 171+56.00 | -200.00 | 880914.8166 | 1354483.1632 |
| L     | 171+67.00 | -153.09 | 880866.5844 | 1354486.3496 |
| L     | 171+77.00 | -200.00 | 880910.8273 | 1354505.2050 |
| L     | 177+32.00 | 128.49  | 880443.7231 | 1354956.1043 |
| L     | 177+32.00 | 140.00  | 880432.9801 | 1354951.9677 |
| L     | 178+00.00 | 136.00  | 880412.7016 | 1355013.7170 |
| L     | 180+40.00 | 156.00  | 880299.3388 | 1355212.8413 |
| L     | 182+37.00 | 126.02  | 880235.0961 | 1355391.7390 |
| L     | 182+45.00 | 153.00  | 880208.0140 | 1355384.4861 |

I, R. Landon Wagoner, 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 12th day of October, 2018.



Professional Land Surveyor L-4301 PLS # Seal

## ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION   | OFFSET  | NORTH       | EAST         |
|-------|-----------|---------|-------------|--------------|
| L     | 30+70.00  | 75.60   | 880751.5065 | 1340366.4129 |
| L     | 30+70.00  | 95.00   | 880732.1095 | 1340365.8953 |
| L     | 31+50.00  | 125.00  | 880699.9864 | 1340445.0667 |
| L     | 33+20.00  | 77.72   | 880742.7181 | 1340616.2673 |
| L     | 60+60.00  | 91.20   | 880672.8001 | 1343356.8165 |
| L     | 62+30.00  | 172.00  | 880590.0658 | 1343525.3053 |
| L     | 65+72.00  | 132.00  | 880623.9174 | 1343866.6370 |
| L     | 66+50.00  | 140.00  | 880614.0998 | 1343944.1564 |
| L     | 67+00.00  | 122.03  | 880630.8181 | 1343994.4231 |
| L     | 93+87.00  | -146.00 | 880827.3128 | 1346687.4911 |
| L     | 93+87.00  | -102.79 | 880784.1176 | 1346686.3419 |
| L     | 94+50.00  | -146.00 | 880825.6374 | 1346750.4688 |
| L     | 95+80.00  | -102.85 | 880779.0498 | 1346879.2754 |
| L     | 109+00.00 | 130.17  | 880525.4687 | 1348198.5069 |
| L     | 110+00.00 | 220.00  | 880437.7553 | 1348301.5115 |
| L     | 110+15.00 | -155.00 | 880813.0111 | 1348307.3406 |
| L     | 110+50.00 | -155.00 | 880813.9185 | 1348341.9671 |
| L     | 110+50.00 | 220.00  | 880439.0589 | 1348352.2280 |
| L     | 111+50.00 | -99.86  | 880761.8471 | 1348442.7631 |
| L     | 111+73.25 | 97.51   | 880565.4030 | 1348472.8626 |
| L     | 128+30.00 | -85.03  | 880795.7156 | 1350123.8307 |
| L     | 129+50.00 | -103.00 | 880815.8879 | 1350243.4797 |
| L     | 130+30.00 | -85.36  | 880799.7277 | 1350323.7908 |
| L     | 130+30.00 | -103.00 | 880817.3602 | 1350323.4662 |

## ROW MARKER PERMANENT EASEMENT-E

| ALIGN | STATION  | OFFSET | NORTH       | EAST         |
|-------|----------|--------|-------------|--------------|
| Y7    | 10+18.00 | 35.54  | 880994.8927 | 1353476.6453 |
| Y7    | 11+44.00 | 51.37  | 880900.3302 | 1353534.2288 |

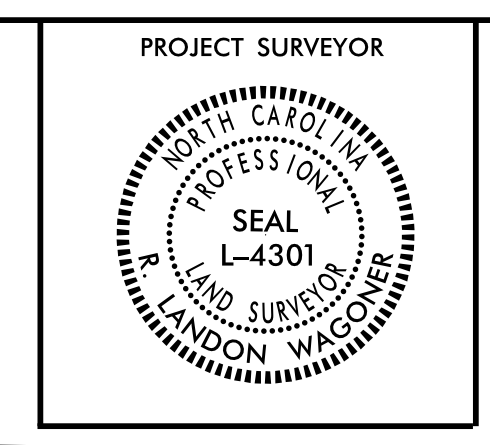
### NOTES:

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.

REVISIONS

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I, R. Landon Wagoner, 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.

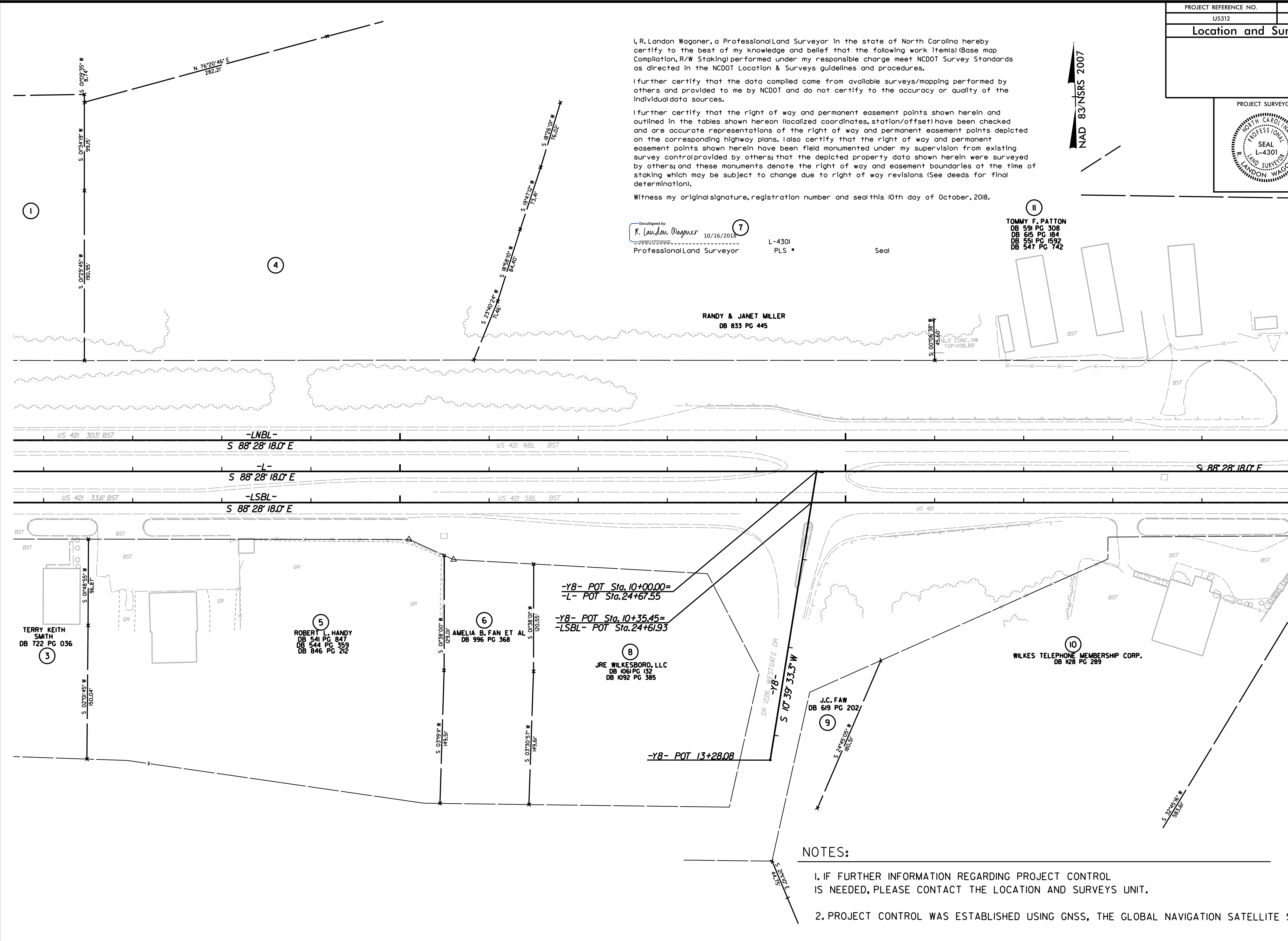
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. 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 10th day of October, 2018.

DocuSigned by:  
**R. Landon Wagoner** 10/16/2018  
94981327292450  
 Professional Land Surveyor L-4301 PLS Seal

PROJECT SURVEYOR  
**TOMMY F. PATTON**  
 DB 591 PG 308  
 DB 615 PG 184  
 DB 551 PG 1592  
 DB 547 PG 742

NAD 83/NSRS 2007



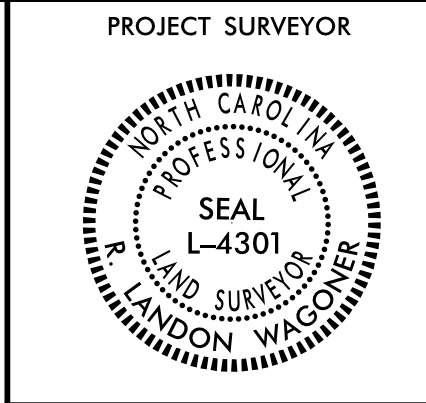
**NOTES:**

- 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.

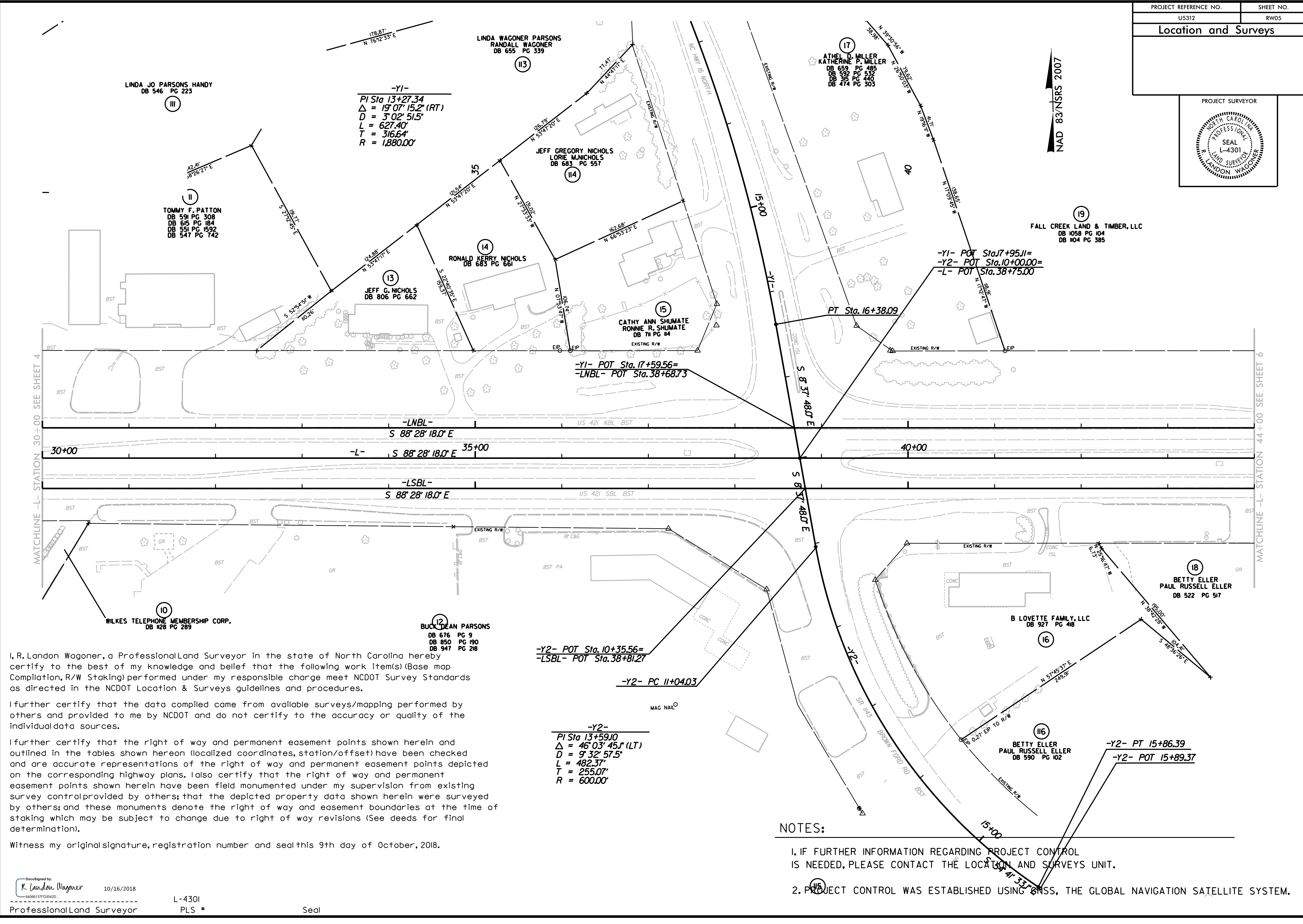
MATCHLINE -L- STATION 30+00 SEE SHEET 5

6/2/19

15-001-2018-08146-11-5312-CONTROL SHEETS\U5312-1s-rw04.dgn



NAD 83/NSRS 2007



**-Y1-**  
 PI Sta 13+27.34  
 $\Delta = 19^{\circ} 07' 15.2''$  (RT)  
 $D = 3^{\circ} 02' 51.5''$   
 $L = 627.40'$   
 $T = 316.64'$   
 $R = 1,880.00'$

**-Y1- POT Sta. 17+59.56=**  
**-LNBL- POT Sta. 38+68.73**

**-Y1- POT Sta. 17+95.11=**  
**-Y2- POT Sta. 10+00.00=**  
**-L- POT Sta. 38+75.00**

**-Y2- POT Sta. 10+35.56=**  
**-LSBL- POT Sta. 38+81.27**

**-Y2- PC 11+04.03**

**-Y2-**  
 PI Sta 13+59.10  
 $\Delta = 46^{\circ} 03' 45.1''$  (LT)  
 $D = 9^{\circ} 32' 57.5''$   
 $L = 482.37'$   
 $T = 255.07'$   
 $R = 600.00'$

**-Y2- PT 15+86.39**  
**-Y2- POT 15+89.37**

**NOTES:**

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

I, R. Landon Wagoner, 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.

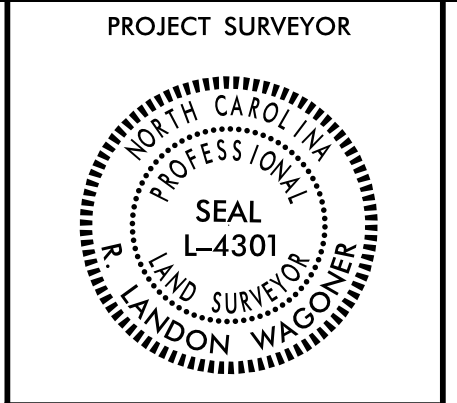
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway 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 9th day of October, 2018.

DocuSigned by:  
 R. Landon Wagoner  
 10/16/2018  
 94066137FD3042D

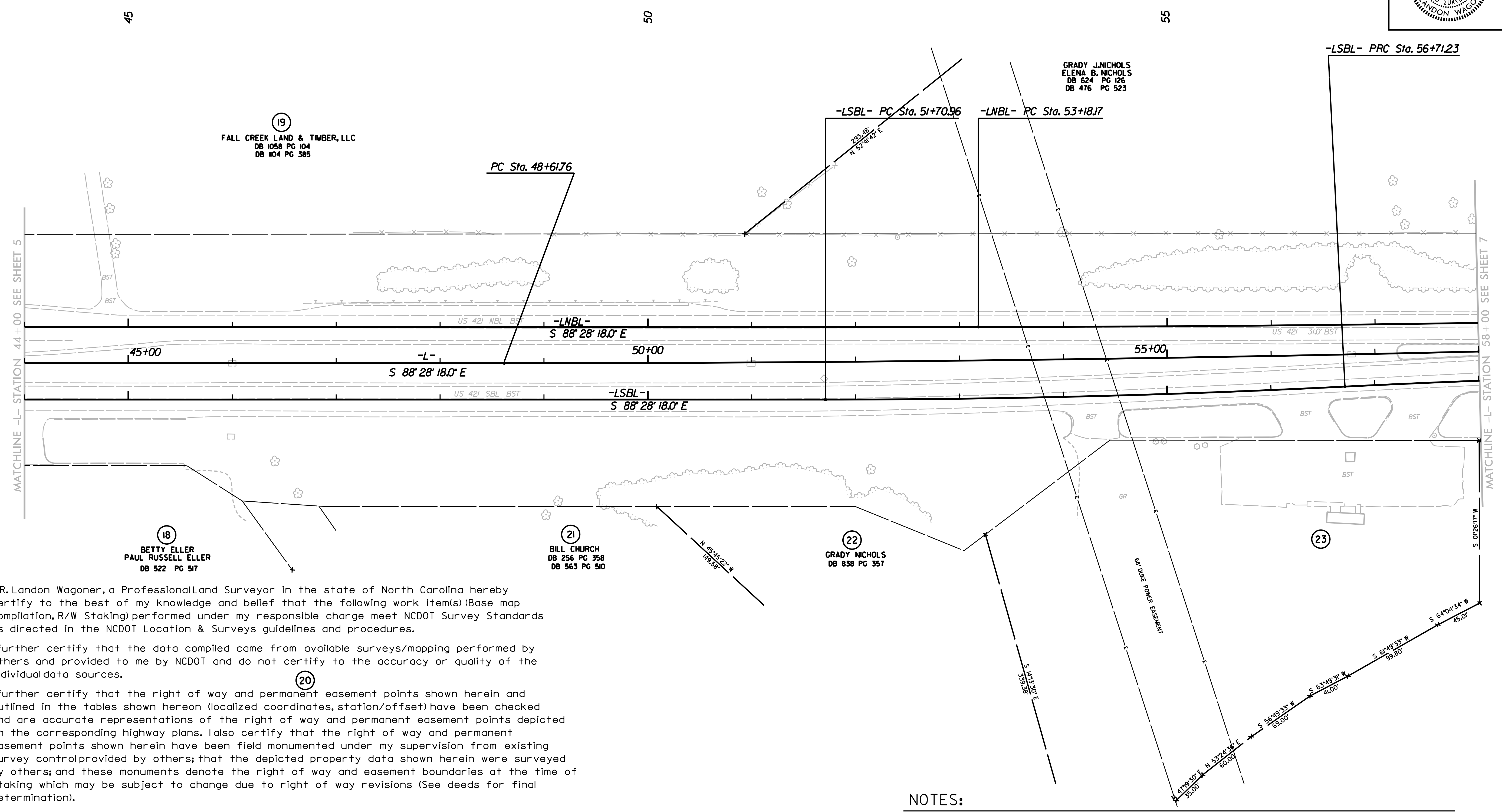
L-4301  
 PLS # Seal

6/2/19  
 15-001-2018-08148  
 2-11-15-5312-CONTROL SHEETS-U5312-1s-rw05.dgn



|                                    |                                    |                                    |                                    |                                    |  |
|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--|
| -L-                                |                                    | -LSBL-                             |                                    | -LNBL-                             |  |
| PI Sta 53+30.89                    | PI Sta 62+67.58                    | PI Sta 54+21.15                    | PI Sta 58+23.53                    | PI Sta 56+11.72                    |  |
| $\Delta = 1^{\circ}22'42.0''$ (LT) | $\Delta = 1^{\circ}22'26.0''$ (RT) | $\Delta = 2^{\circ}51'58.7''$ (LT) | $\Delta = 1^{\circ}44'42.3''$ (RT) | $\Delta = 1^{\circ}07'16.4''$ (LT) |  |
| D = 0'08'48.9"                     | D = 0'08'48.9"                     | D = 0'34'22.6"                     | D = 0'34'22.6"                     | D = 0'11'27.5"                     |  |
| L = 938.21'                        | L = 935.17'                        | L = 500.26'                        | L = 304.58'                        | L = 587.06'                        |  |
| T = 469.13'                        | T = 467.61'                        | T = 250.18'                        | T = 152.30'                        | T = 293.54'                        |  |
| R = 39,000.00'                     | R = 39,000.00'                     | R = 10,000.00'                     | R = 10,000.00'                     | R = 30,000.00'                     |  |

NAD 83/NSRS 2007



(19)  
FALL CREEK LAND & TIMBER, LLC  
DB 1058 PG 104  
DB 104 PG 385

(18)  
BETTY ELLER  
PAUL RUSSELL ELLER  
DB 522 PG 517

(21)  
BILL CHURCH  
DB 256 PG 358  
DB 563 PG 510

(22)  
GRADY NICHOLS  
DB 838 PG 357

(23)

I, R. Landon Wagoner, 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.

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Witness my original signature, registration number and seal this 9th day of October, 2018.

(118)

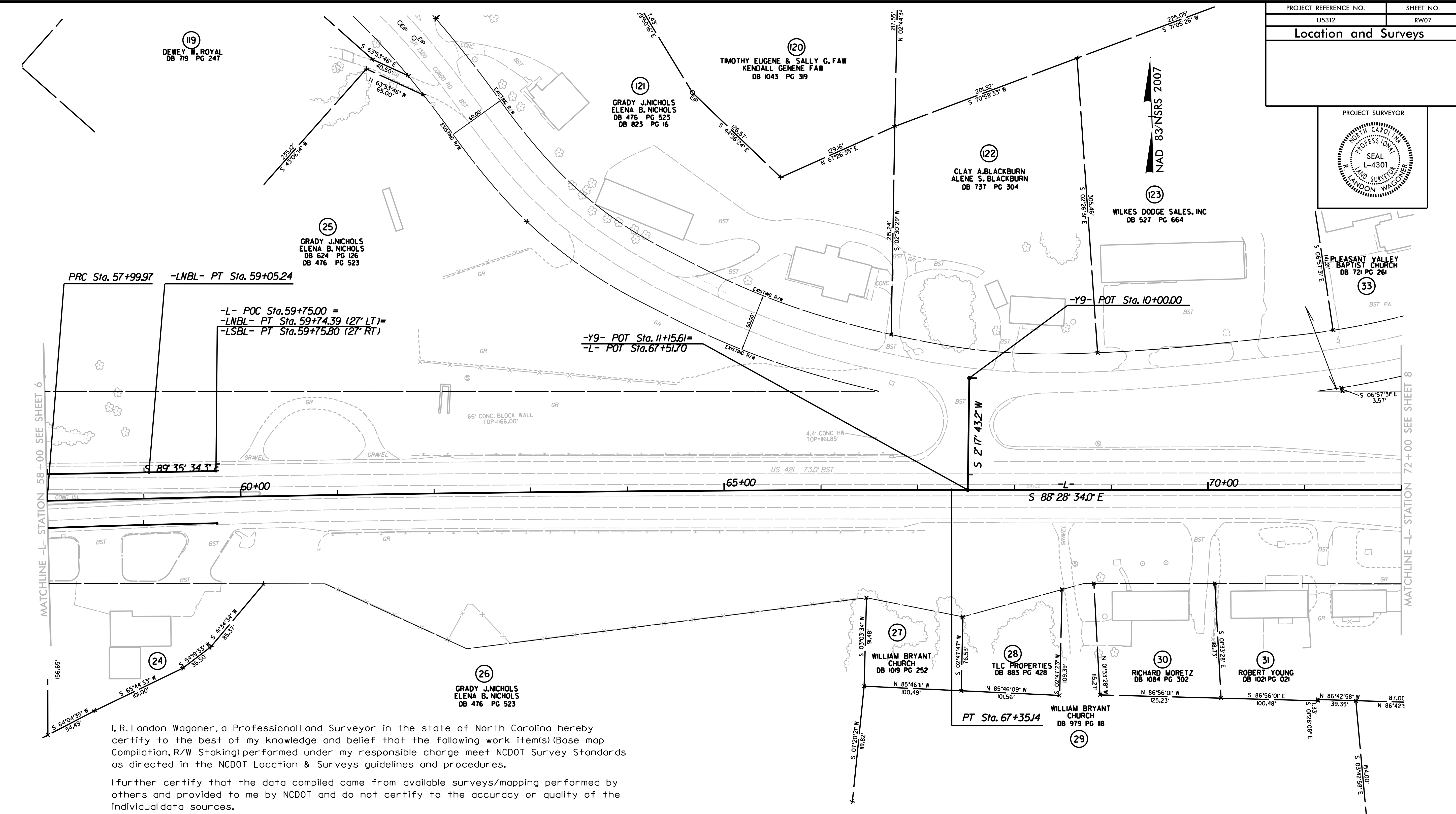
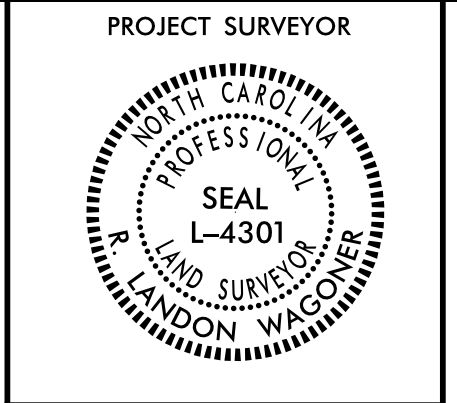
DocuSigned by:  
*R. Landon Wagoner*  
10/16/2018  
Professional Land Surveyor

L-4301  
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.

6/2/19  
15:00 10/16/2018 08:45 15:00 10/16/2018 08:45 15:00 10/16/2018 08:45 15:00 10/16/2018 08:45  
L:\PROJECTS\2018\U5312\CONTROL SHEETS\U5312\_1s\_rw06.dgn



I, R. Landon Wagoner, 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.

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Witness my original signature, registration number and seal this 9th day of October, 2018.

DocuSigned by:  
**R. Landon Wagoner** 10/16/2018  
 34088137FD30420  
 Professional Land Surveyor

L-4301  
 PLS \* Seal

| -L-                           | -LSBL-                        | -LNBL-                        |
|-------------------------------|-------------------------------|-------------------------------|
| PI Sta 62+67.58               | PI Sta 58+23.53               | PI Sta 56+11.72               |
| $\Delta = 1' 22' 26.0''$ (RT) | $\Delta = 1' 44' 42.3''$ (RT) | $\Delta = 1' 07' 16.4''$ (LT) |
| D = 0' 08' 48.9"              | D = 0' 34' 22.6"              | D = 0' 11' 27.5"              |
| L = 935.17'                   | L = 304.58'                   | L = 587.06'                   |
| T = 467.61'                   | T = 152.30'                   | T = 293.54'                   |
| R = 39,000.00'                | R = 10,000.00'                | R = 30,000.00'                |

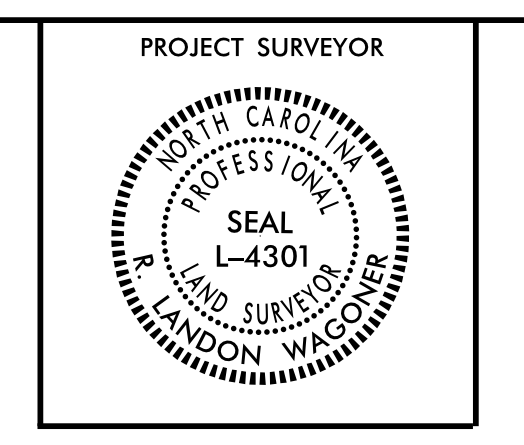
**NOTES:**

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

REVISIONS

6/2/19

15-001-2018-08453  
 2-11-2018  
 15-001-2018-08453  
 2-11-2018  
 15-001-2018-08453  
 2-11-2018



I, R. Landon Wagoner, 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.

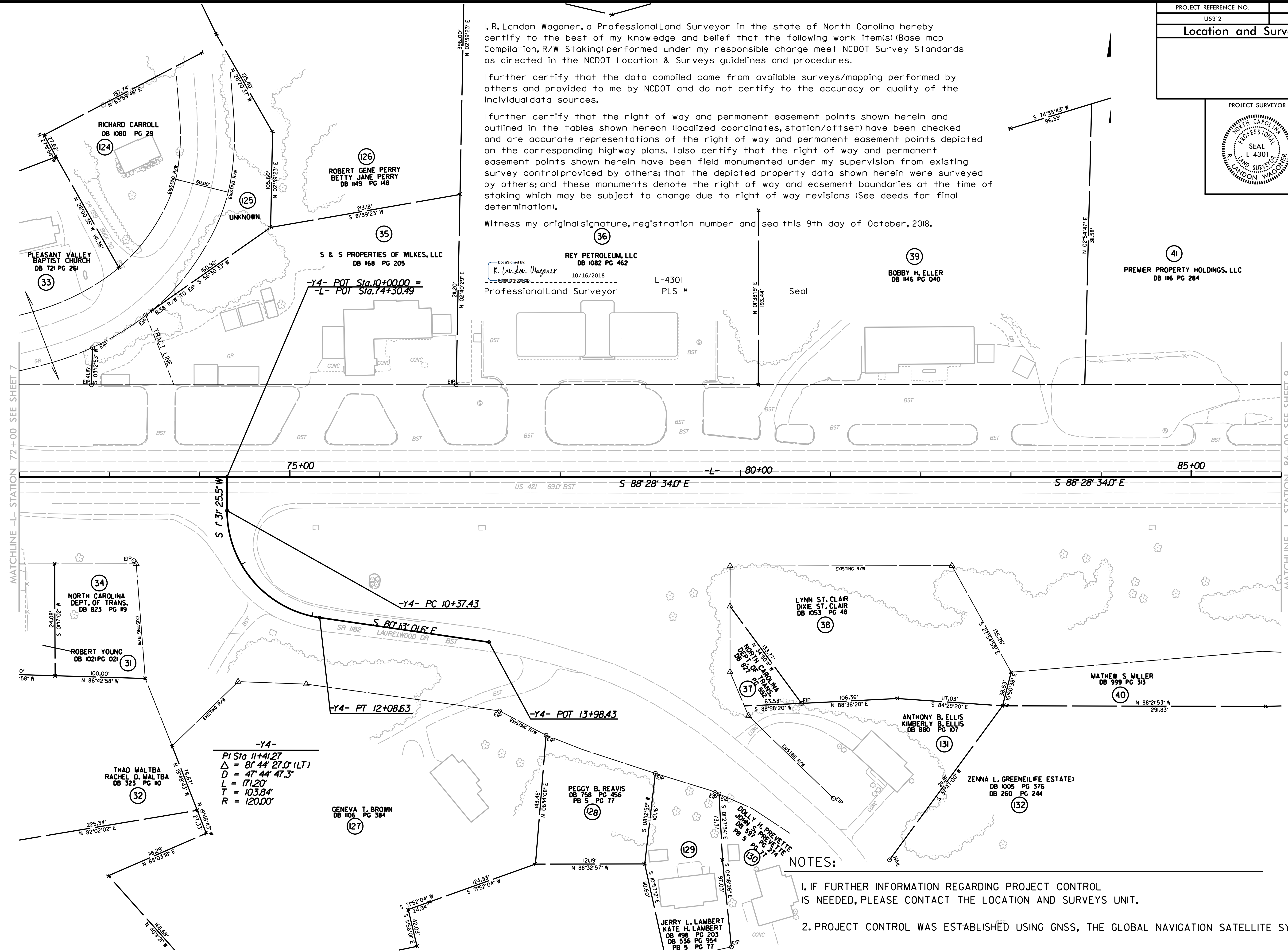
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Witness my original signature, registration number and seal this 9th day of October, 2018.

DocuSigned by:  
*R. Landon Wagoner*  
 10/16/2018  
 Professional Land Surveyor L-4301 PLS #

Seal



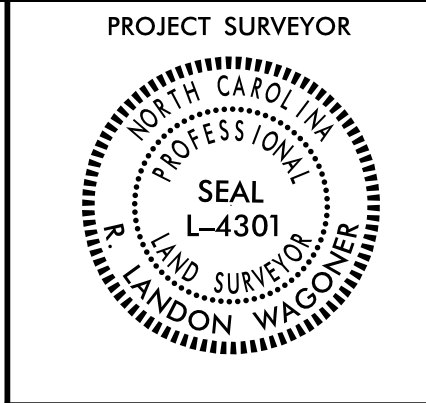
**-Y4-**  
 PI Sta 11+41.27  
 $\Delta = 81^{\circ}44'27.0''$  (LT)  
 $D = 47^{\circ}44'47.3''$   
 $L = 171.20'$   
 $T = 103.84'$   
 $R = 120.00'$

**NOTES:**

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

6/2/19  
 15-001-2018-08454-5312-CONTROL SHEETS\U5312-1s-rw08.dgn  
 2:41:52 PM 10/16/2018





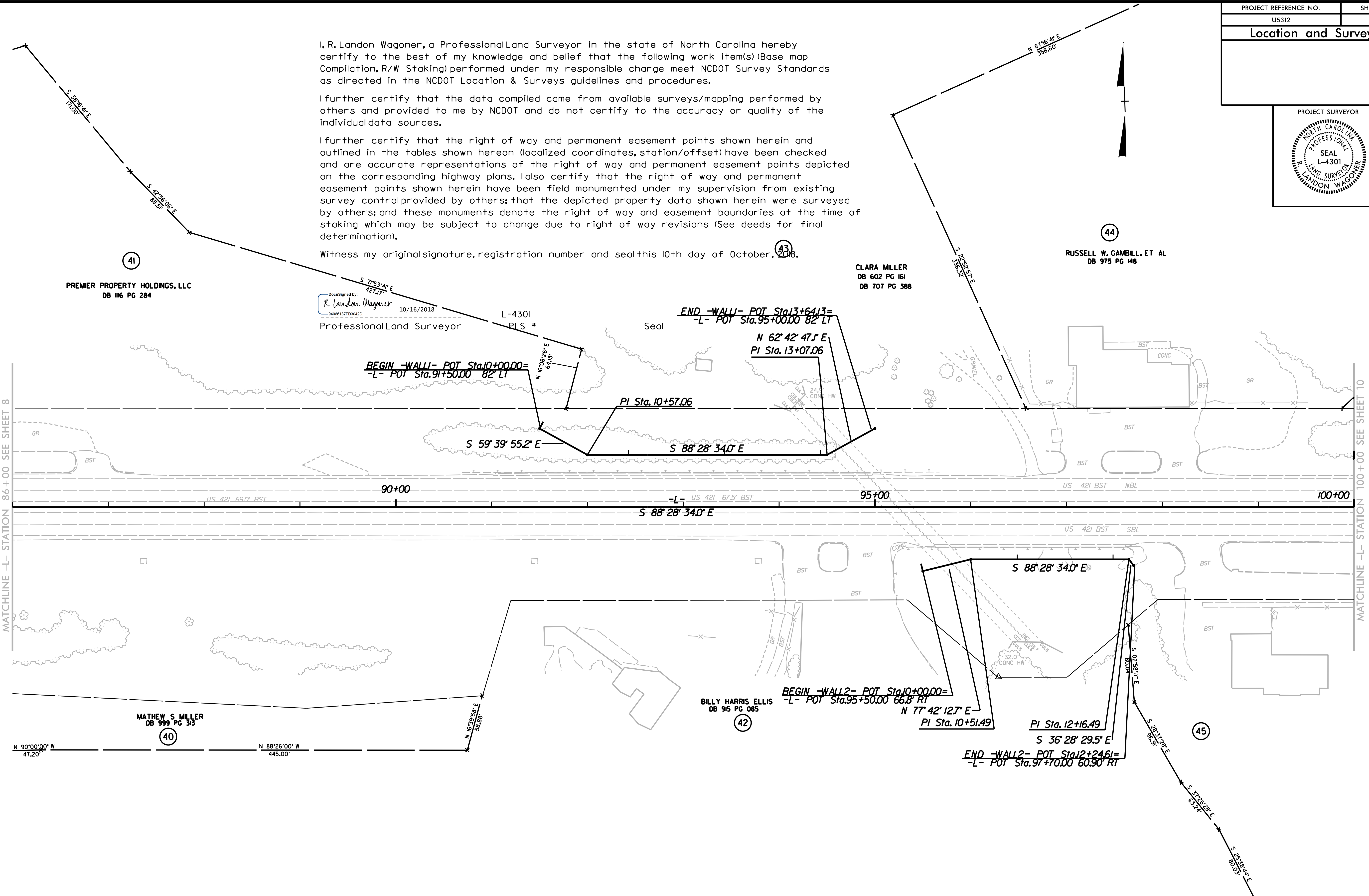
I, R. Landon Wagoner, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location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

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Witness my original signature, registration number and seal this 10th day of October, 2018.

DocuSigned by:  
*R. Landon Wagoner*  
 10/16/2018  
 Professional Land Surveyor



41  
 PREMIER PROPERTY HOLDINGS, LLC  
 DB 116 PG 284

CLARA MILLER  
 DB 602 PG 161  
 DB 707 PG 388

44  
 RUSSELL W. GAMBILL, ET AL  
 DB 975 PG 148

MATHEW S. MILLER  
 DB 999 PG 313  
 40

BILLY HARRIS ELLIS  
 DB 915 PG 085  
 42

45

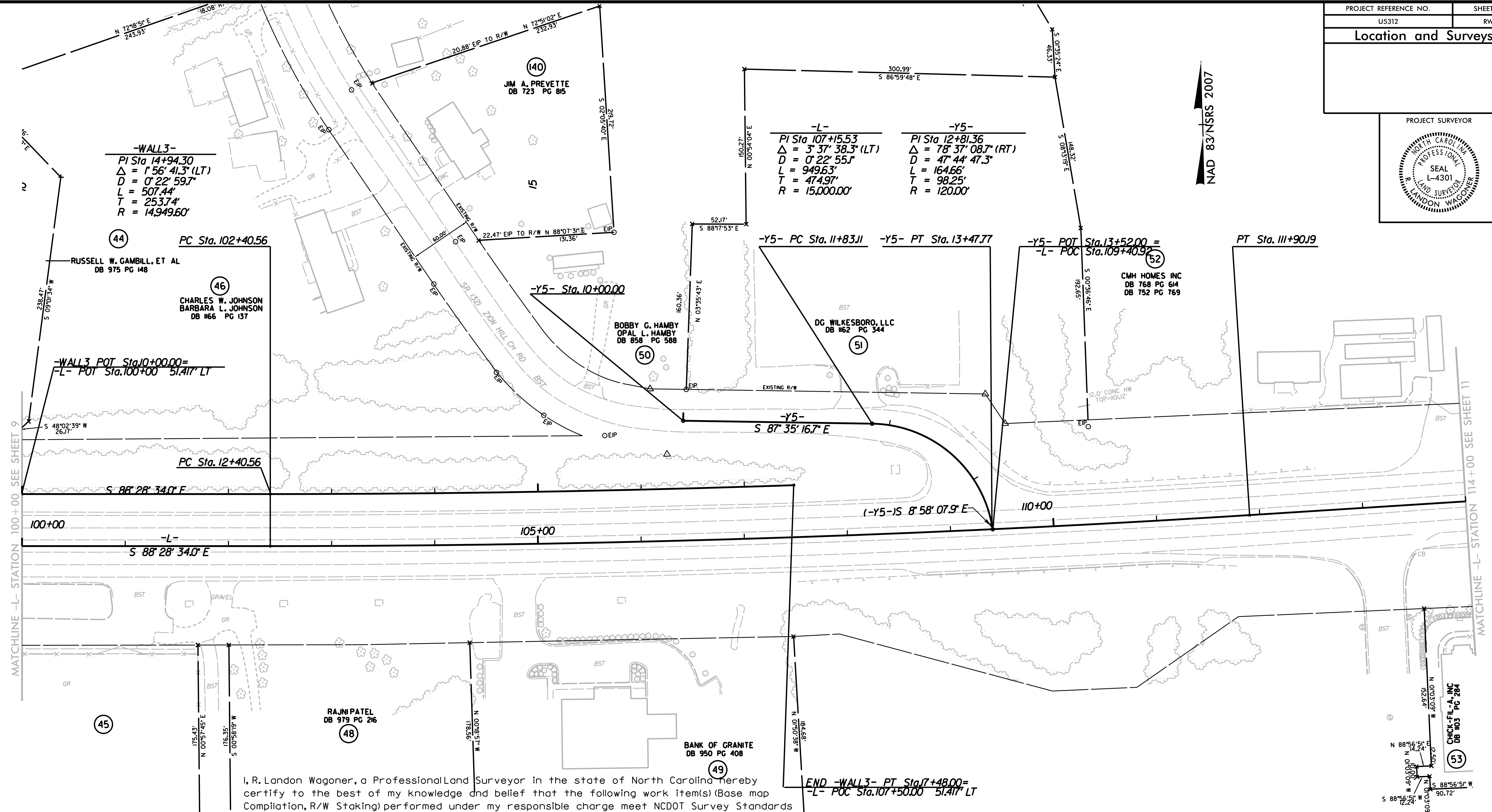
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- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

6/2/19  
 15:00 10/16/2018 09:53:30 U:\5312\CONTROL SHEETS\U5312\_1s\_rw09.dgn  
 44



NAD 83/NSRS 2007



**-WALL3-**  
 PI Sta 14+94.30  
 $\Delta = 1' 56'' 41.3''$  (LT)  
 $D = 0' 22'' 59.7''$   
 $L = 507.44'$   
 $T = 253.74'$   
 $R = 14,949.60'$

**-L-**  
 PI Sta 107+15.53  
 $\Delta = 3' 37'' 38.3''$  (LT)  
 $D = 0' 22'' 55.7''$   
 $L = 949.63'$   
 $T = 474.97'$   
 $R = 15,000.00'$

**-Y5-**  
 PI Sta 12+81.36  
 $\Delta = 78' 37'' 08.7''$  (RT)  
 $D = 47' 44'' 47.3''$   
 $L = 164.66'$   
 $T = 98.25'$   
 $R = 120.00'$

**-WALL3 POT Sta 10+00.00-**  
**-L- POT Sta. 100+00 51.417' LT**

**END -WALL3- PT Sta 17+48.00-**  
**-L- POT Sta. 107+50.00 51.417' LT**

MATCHLINE -L- STATION 100+00 SEE SHEET 9

MATCHLINE -L- STATION 114+00 SEE SHEET 11

I, R. Landon Wagoner, 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.

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Witness my original signature, registration number and seal this 10th day of October, 2018.

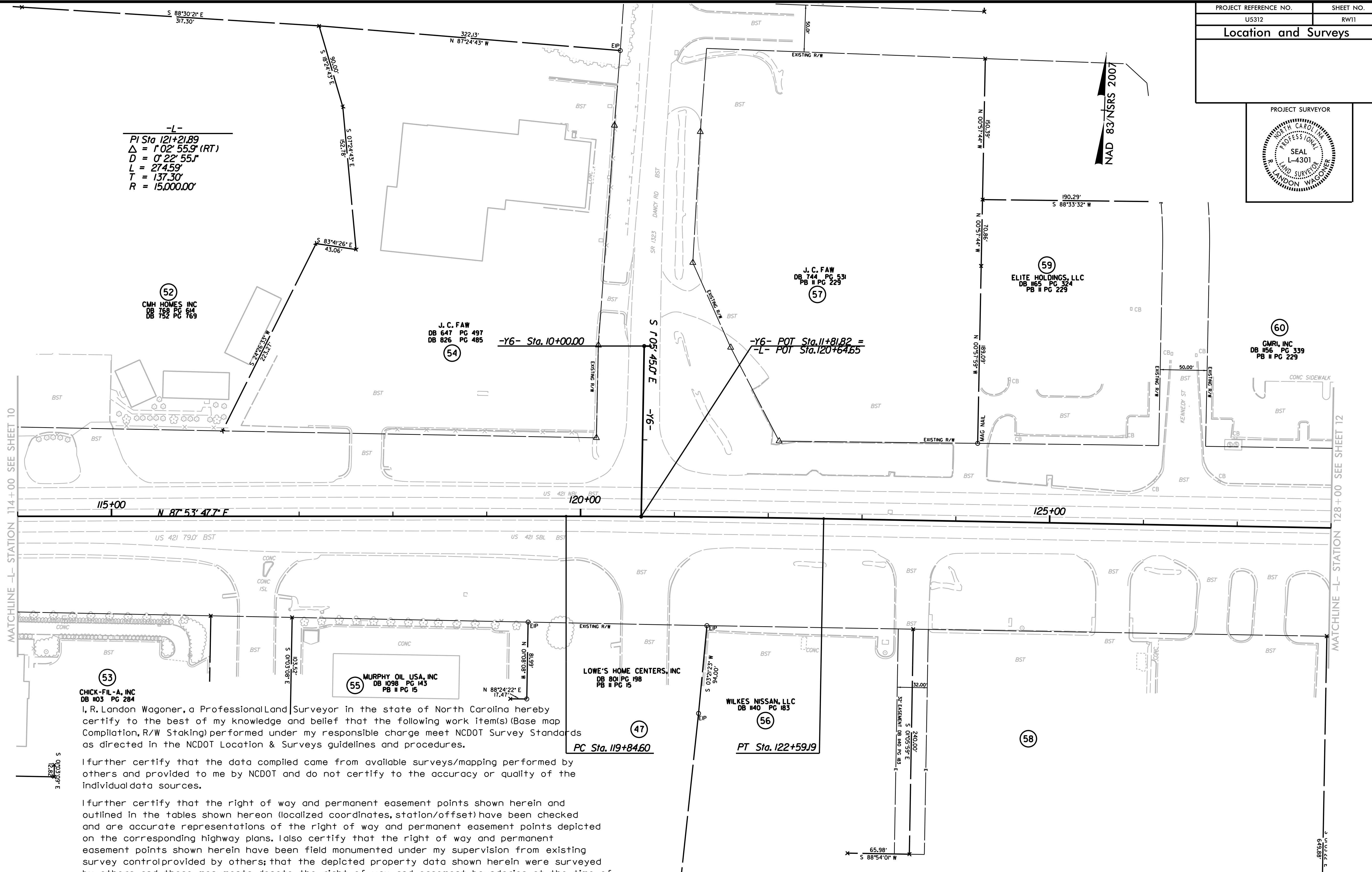
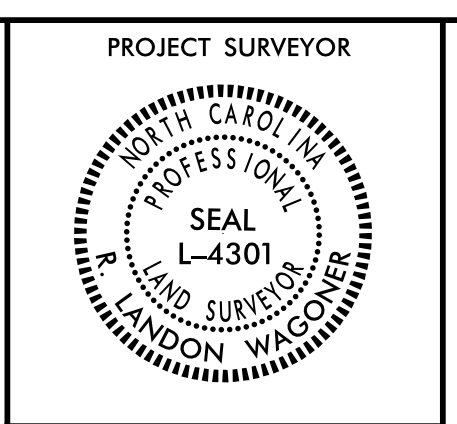
DocuSigned by:  
**R. Landon Wagoner** 10/16/2018  
 94066137FD3042D  
 Professional Land Surveyor

L-4301  
 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.

15-001-2018-08459-11-5312-CONTROL SHEETS-U5312-1s-rw10.dgn 6/2/19



**-L-**  
 PI Sta. 121+21.89  
 $\Delta = 1' 02'' 55.9'' (RT)$   
 $D = 0' 22'' 55.1''$   
 $L = 274.59'$   
 $T = 137.30'$   
 $R = 15,000.00'$

I, R. Landon Wagoner, 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.

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Witness my original signature, registration number and seal this 10th day of October, 2018.

DocuSigned by:  
 R. Landon Wagoner 10/16/2018  
 Professional Land Surveyor

L-4301  
 PLS # Seal

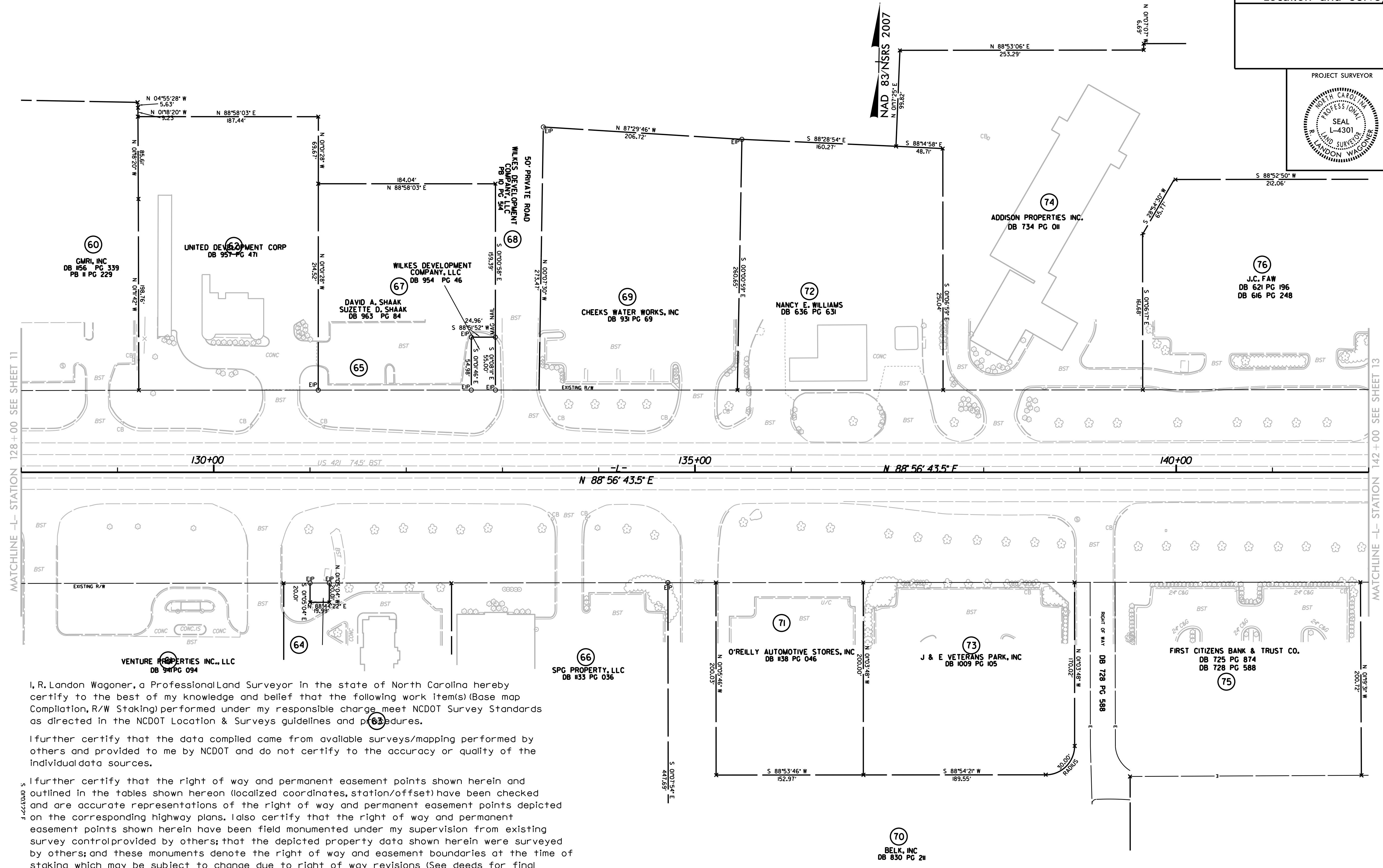
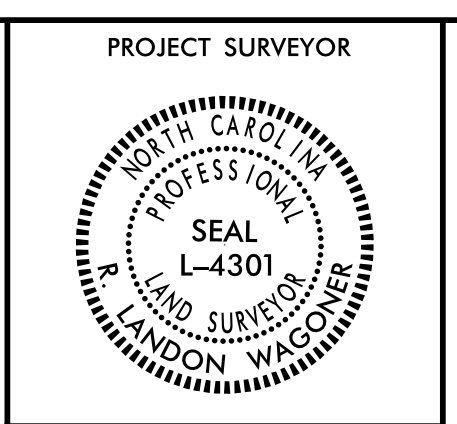
**NOTES:**

- 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.

6/2/19  
 15:00 10/16/2018 09:50:01 S:\U5312\CONTROL SHEETS\U5312\_1s\_rw11.dgn  
 Z:\D\WAGONER\U5312\1s\_rw11.dgn

MATCHLINE -L- STATION 114+00 SEE SHEET 10

MATCHLINE -L- STATION 128+00 SEE SHEET 12



I, R. Landon Wagoner, 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.

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Witness my original signature, registration number and seal this 10th day of October, 2018.

DocuSigned by:  
**R. Landon Wagoner**  
10/16/2018  
Professional Land Surveyor

L-4301  
PLS #  
Seal

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

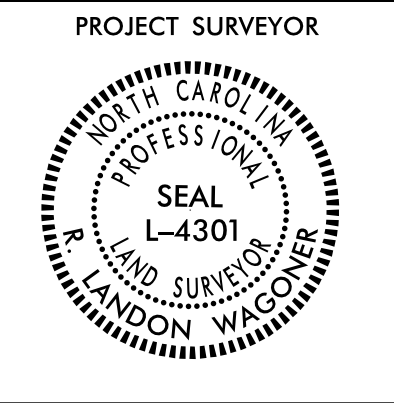
6/2/19  
15-001-2018-09102-011-5312-CONTROL SHEETS-U5312-1s-rw12.dgn  
14/10/2018 14:27:27

I, R. Landon Wagoner, 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.

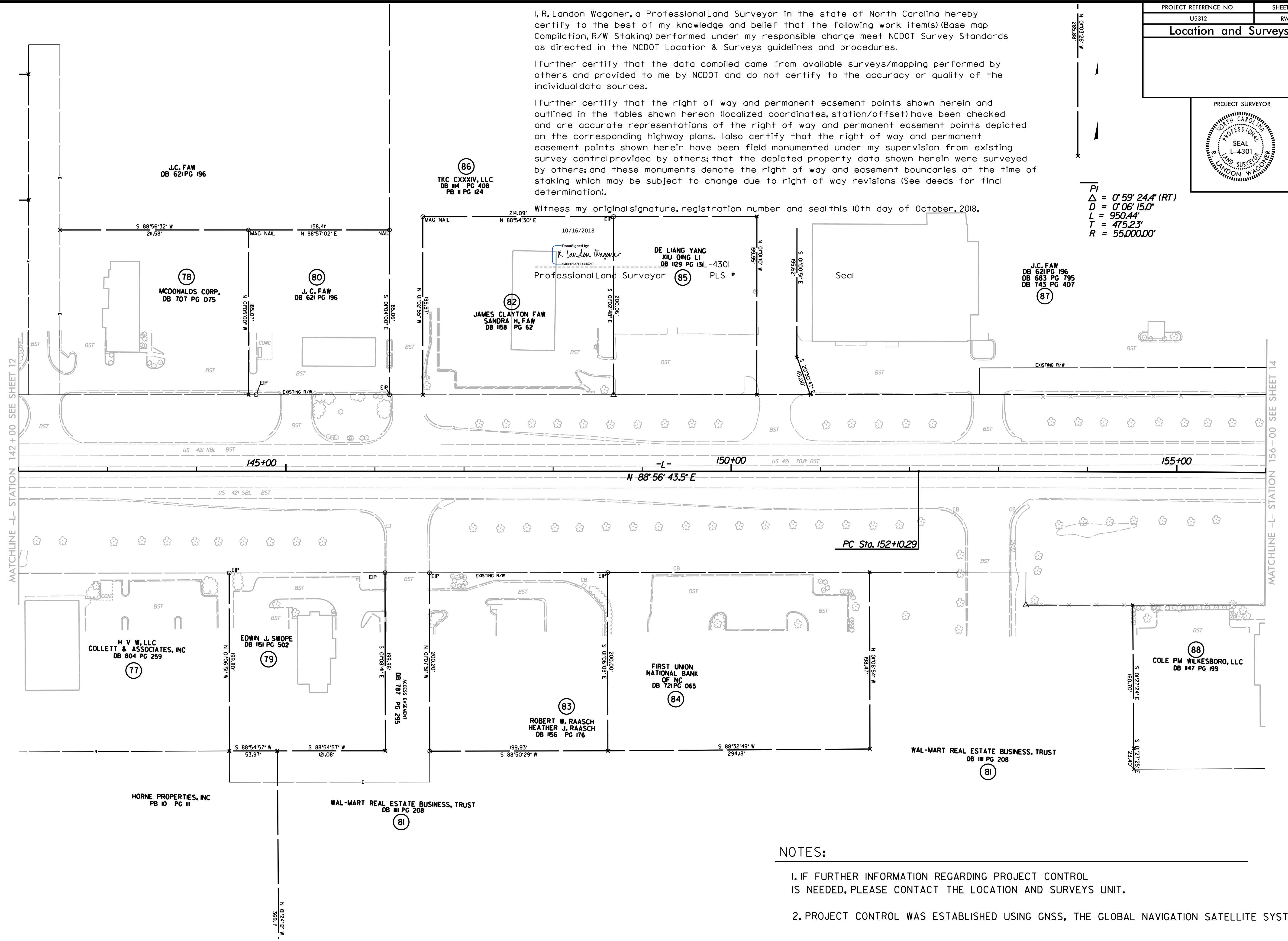
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Witness my original signature, registration number and seal this 10th day of October, 2018.

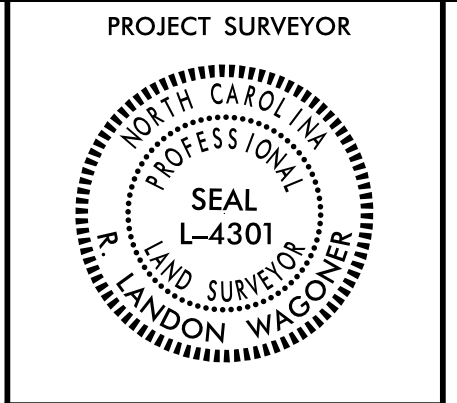


PI  
 $\Delta = 0^{\circ} 59' 24.4''$  (RT)  
 $D = 0^{\circ} 06' 15.0''$   
 $L = 950.44'$   
 $T = 475.23'$   
 $R = 55,000.00'$



**NOTES:**

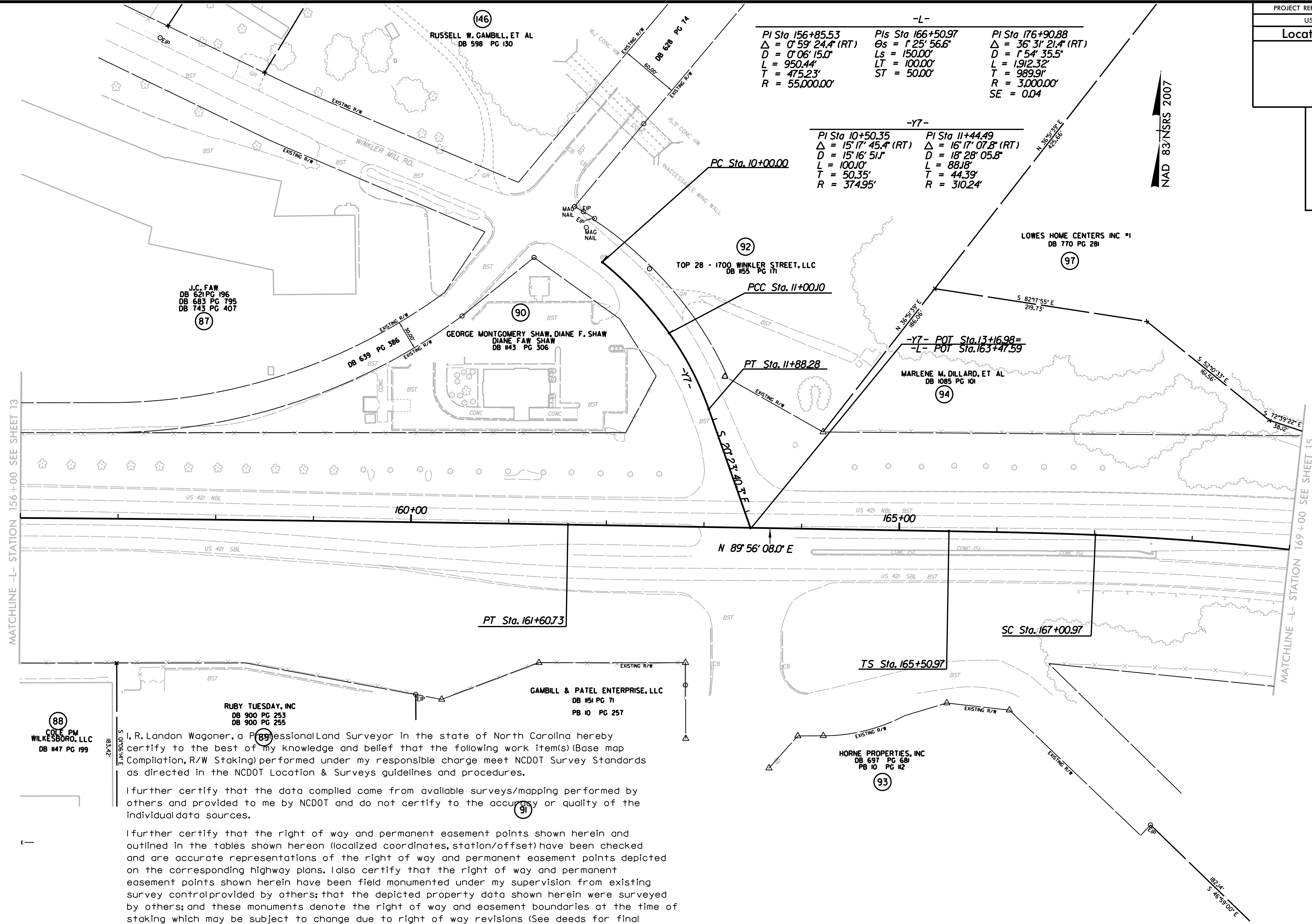
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.



| -L-                                  |                                   |                                       |
|--------------------------------------|-----------------------------------|---------------------------------------|
| PI Sta 156+85.53                     | PIs Sta 166+50.97                 | PI Sta 176+90.88                      |
| $\Delta = 0^{\circ} 59' 24.4''$ (RT) | $\Theta_s = 1^{\circ} 25' 56.6''$ | $\Delta = 36^{\circ} 31' 21.4''$ (RT) |
| D = 0' 06' 15.0"                     | Ls = 150.00'                      | D = 1' 54' 35.5"                      |
| L = 950.44'                          | LT = 100.00'                      | L = 1912.32'                          |
| T = 475.23'                          | ST = 50.00'                       | T = 989.91'                           |
| R = 55,000.00'                       |                                   | R = 3,000.00'                         |
|                                      |                                   | SE = 0.04                             |

| -Y7-                                  |                                       |
|---------------------------------------|---------------------------------------|
| PI Sta 10+50.35                       | PI Sta 11+44.49                       |
| $\Delta = 15^{\circ} 17' 45.4''$ (RT) | $\Delta = 16^{\circ} 17' 07.8''$ (RT) |
| D = 15' 16' 51.1"                     | D = 18' 28' 05.8"                     |
| L = 100.10'                           | L = 88.18'                            |
| T = 50.35'                            | T = 44.39'                            |
| R = 374.95'                           | R = 310.24'                           |

NAD 83/NSRS 2007



MATCHLINE -L- STATION 156+00 SEE SHEET 13

MATCHLINE -L- STATION 169+00 SEE SHEET 15

I, R. Landon Wagoner, 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 10th day of October, 2018.

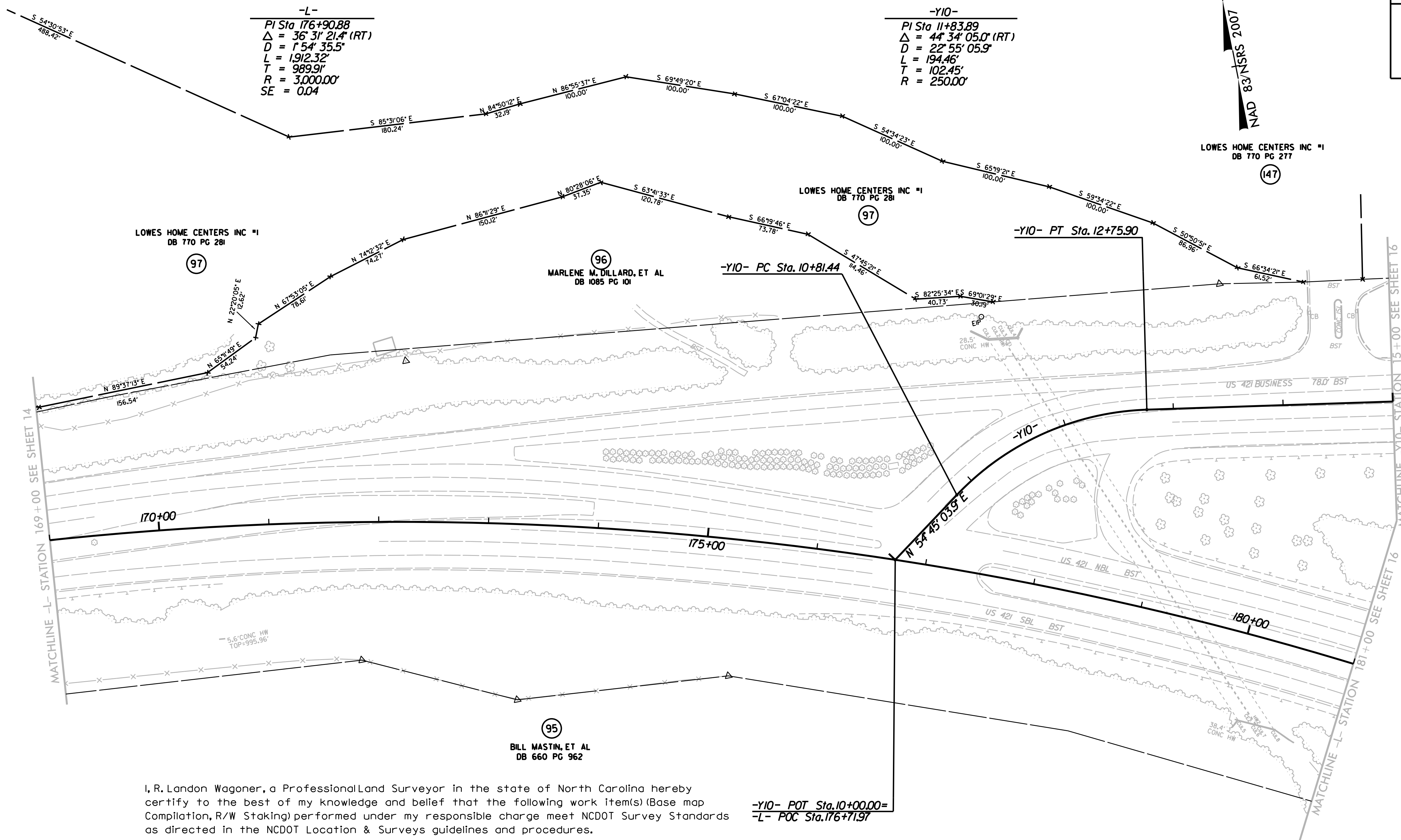
DocuSigned by:  
  
 10/16/2018  
 Professional Land Surveyor

L-4301  
 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.

6/2/2018 15:00 T:\2018\_09\05\U5312\CONTROL SHEETS\U5312\_1s\_rw14.dgn



**-L-**  
 PI Sta 176+90.88  
 $\Delta = 36^\circ 31' 21.4''$  (RT)  
 $D = 154' 35.5''$   
 $L = 1912.32'$   
 $T = 989.91'$   
 $R = 3,000.00'$   
 $SE = 0.04$

**-Y10-**  
 PI Sta 11+83.89  
 $\Delta = 44^\circ 34' 05.0''$  (RT)  
 $D = 22^\circ 55' 05.9''$   
 $L = 194.46'$   
 $T = 102.45'$   
 $R = 250.00'$

LOWES HOME CENTERS INC #1  
 DB 770 PG 277

LOWES HOME CENTERS INC #1  
 DB 770 PG 281

LOWES HOME CENTERS INC #1  
 DB 770 PG 281

MARLENE M. DILLARD, ET AL  
 DB 1085 PG 101

BILL MASTIN, ET AL  
 DB 660 PG 962

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**-Y10- POT Sta. 10+00.00 =**  
**-L- POC Sta. 176+71.97**

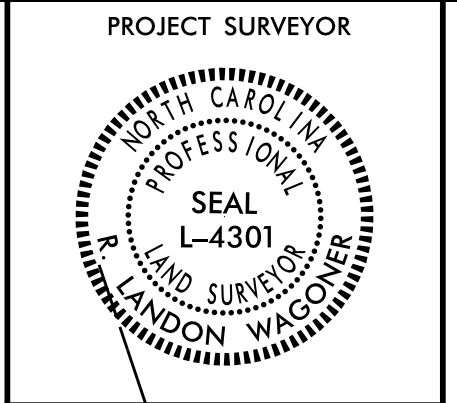
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DocuSigned by:  
 R. Landon Wagoner 10/16/2018  
 94066137FD3042D

L-4301  
 PLS # Seal

6/2/19 15:00 10/16/2018 09:13:24 \\s01\proj\5312\CONTROL SHEETS\U5312\15.rw15.dgn



| -YII-             |                               | -YIO-             |                               |
|-------------------|-------------------------------|-------------------|-------------------------------|
| PI Sta 15+70.97   | $\Delta = 65' 41" 29.0" (LT)$ | PI Sta 24+46.14   | $\Delta = 18' 30" 20.2" (LT)$ |
| D = 11' 27" 33.0" |                               | D = 6' 54" 11.2"  |                               |
| L = 573.27'       |                               | L = 268.08'       |                               |
| T = 322.79'       |                               | T = 135.22'       |                               |
| R = 500.00'       |                               | R = 830.00'       |                               |
| -L-               |                               | PIs Sta 186+63.29 | $\Theta_s = 1' 25" 56.6"$     |
| PI Sta 176+90.88  | $\Delta = 36' 31" 21.4" (RT)$ | Ls = 150.00'      | LT = 100.00'                  |
| D = 1' 54" 35.5"  |                               | ST = 50.00'       |                               |
| L = 1912.32'      |                               |                   |                               |
| T = 989.91'       |                               |                   |                               |
| R = 3,000.00'     |                               |                   |                               |

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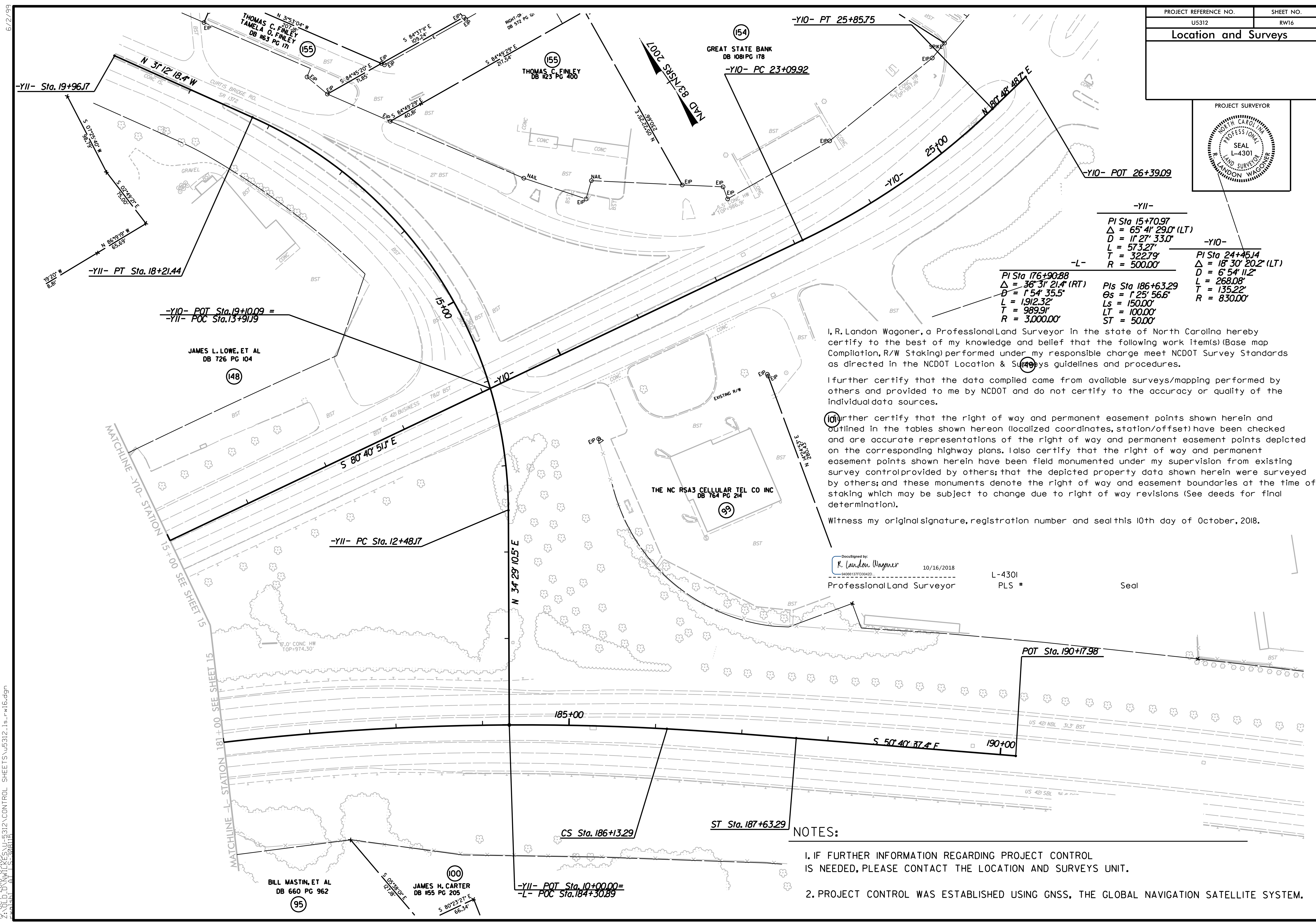
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Witness my original signature, registration number and seal this 10th day of October, 2018.

Digitally signed by: R. Landon Wagoner 10/16/2018  
 Professional Land Surveyor L-4301  
 Seal

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6/2/19  
 15-001-2018-09-09  
 2-11-5312-CONTROL SHEETS\U5312-1s-rw16.dgn  
 20181115

THOMAS C. FINLEY DB #63 PG 171  
 THOMAS C. FINLEY DB #23 PG 400  
 GREAT STATE BANK DB 1081 PG 178  
 JAMES L. LOWE, ET AL DB 726 PG 104  
 THE NC RSA3 CELLULAR TEL CO INC DB 764 PG 24  
 BILL MASTIN, ET AL DB 660 PG 962  
 JAMES H. CARTER DB #55 PG 205