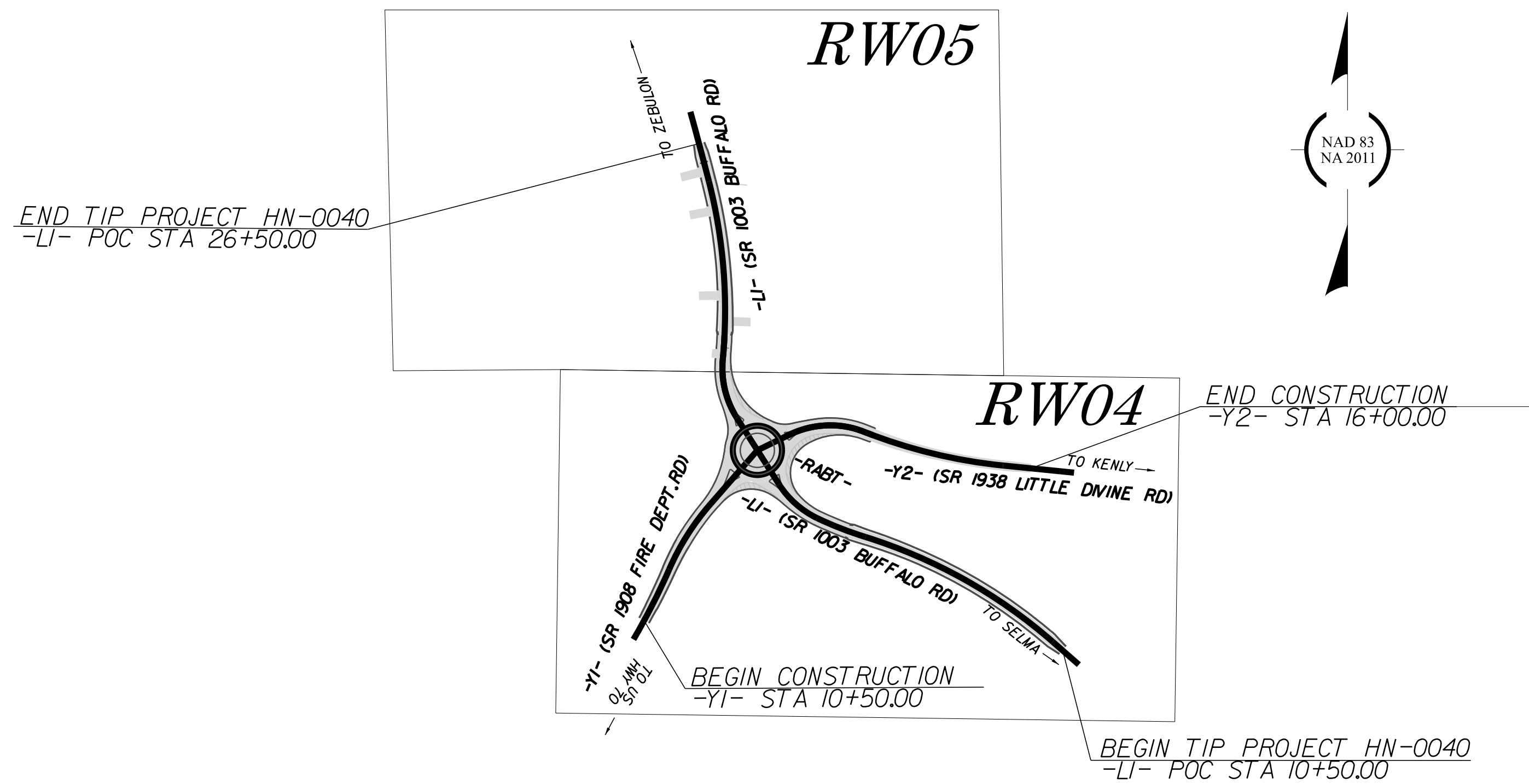
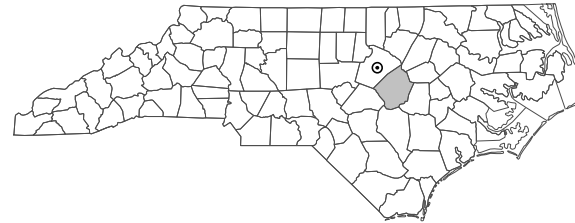


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

| STATE<br>NO. | STATE PROJECT REFERENCE NO. | SHEET<br>NO. | TOTAL<br>SHEETS |
|--------------|-----------------------------|--------------|-----------------|
| N.C.         | HN-0040                     | RW01         | 10              |

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

## JOHNSTON COUNTY

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

## GRAPHIC SCALES

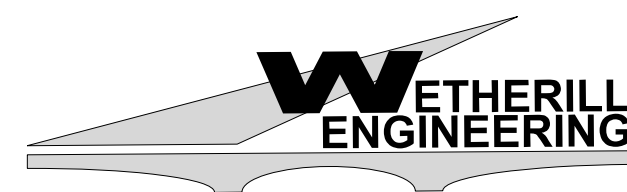


## DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT  
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY  
NCDOT FOR MONUMENT SR1003-1  
WITH NAD83/NA2011 STATE PLANE GRID COORDINATES OF  
NORTHING: 679402.315 EASTING: 2201001.002  
ELEVATION: 253.73'

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT  
(GROUND TO GRID) IS: 0.999885651  
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:



1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

TRANSPORTATION PLANNING DESIGN - BRIDGE STRUCTURE DESIGN  
CIVIL/SITE DESIGN SURVEYING/SUE CONSTRUCTION OBSERVATION

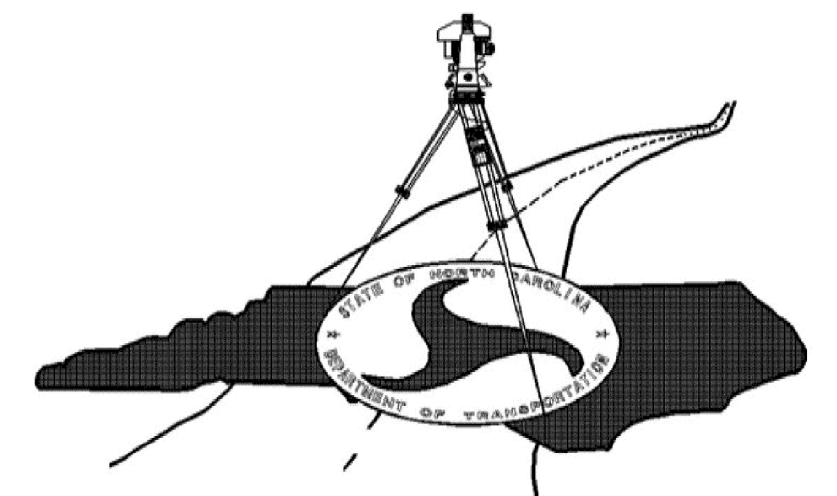
2024 STANDARD SPECIFICATIONS

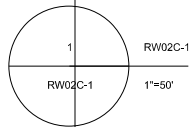
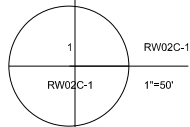
RIGHT OF WAY DATE:  
OCTOBER 8, 2025

LETTING DATE:  
SEPTEMBER 15, 2026

PROFESSIONAL LAND  
SURVEYOR

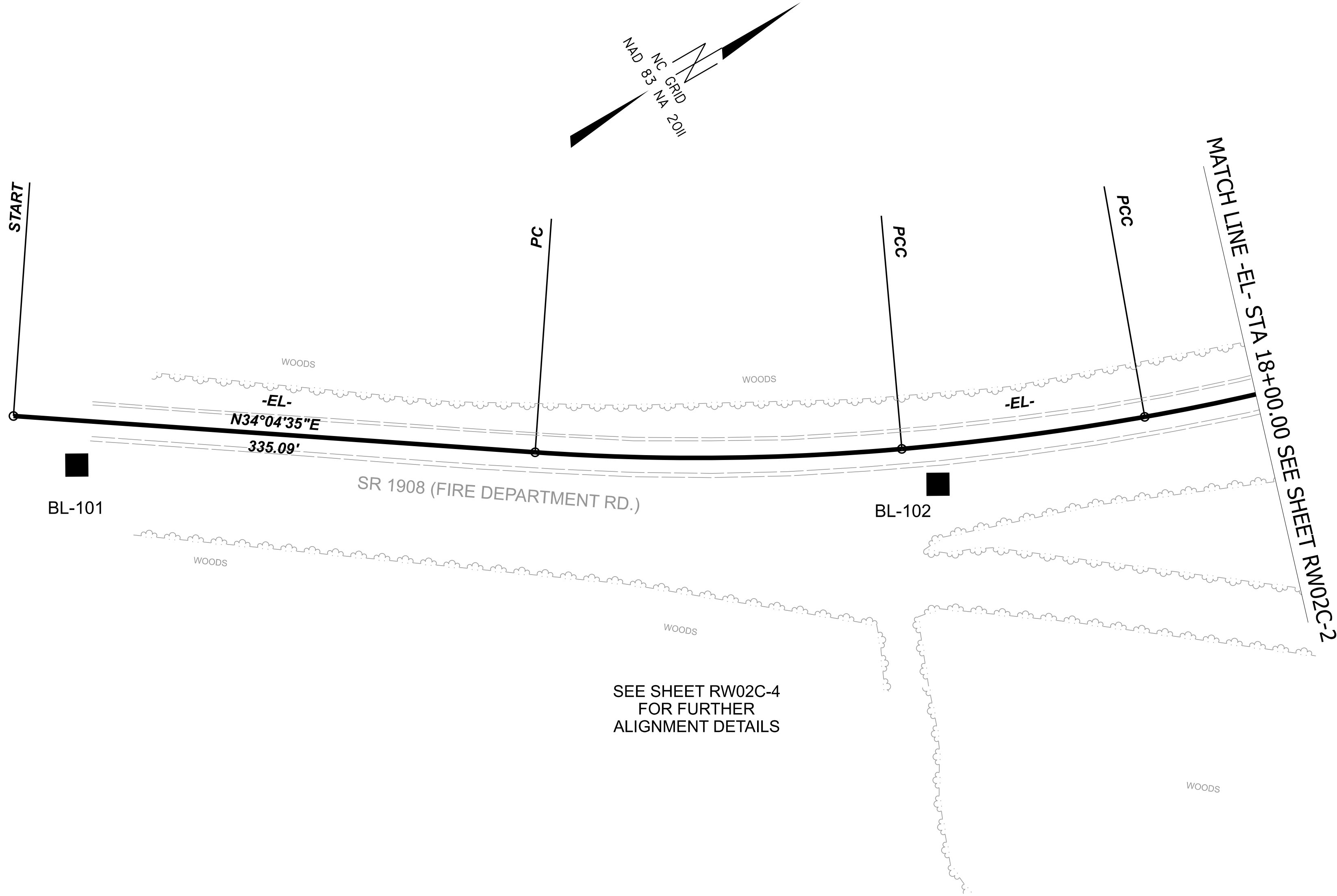
Designed by:  
Anthony K. Alford  
08/07/2026  
SIGNATURE: DATE:





# SURVEY CONTROL SHEET

## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



I, ANTHONY K. ALFORD, PLS, CERTIFY THAT THE PROJECT CONTROL WAS PERFORMED UNDER MY SUPERVISION FROM AN ACTUAL GPS SURVEY MADE UNDER MY SUPERVISION AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:

CLASS OF SURVEY: **AA**  
TYPE OF GPS FIELD PROCEDURE: RTN  
DATES OF SURVEY: 02/27/2025  
DATUM/EPOCH: NAD83/NA2011  
PUBLISHED/FIXED-CONTROL USE: N/A  
LOCALIZED AROUND: SR1003-1  
NORTHING: 679402.315  
EASTING: 2201001.002  
COMBINED GRID FACTOR: 0.999885651  
GEOID MODEL: GEOID18  
UNITS: US SURVEY FEET

I ALSO CERTIFY THAT THE BASELINE CONTROL FOR THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:20,000 (CLASS AA) AND VERTICAL ACCURACY TO CLASS A. FIELD WORK WAS PERFORMED FROM 03/03/2025 TO 03/04/2025 , AND ALL COORDINATES ARE BASED ON NAD 83/NA 2011 AND ALL ELEVATIONS ARE BASED ON NAVD 88; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 2nd DAY OF DECEMBER, 2025.

DocuSigned by:  
*Anthony K. Alford*  
CC5F7993A8D6408...

ANTHONY K. ALFORD  
PROFESSIONAL LAND SURVEYOR L-4372

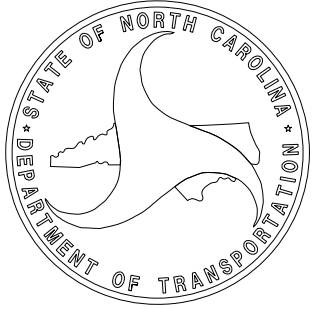
### NOTES:

1. 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.

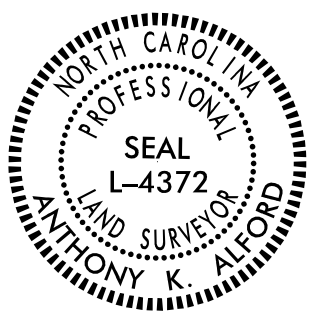
HN-0040

R/W 02C-1

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR

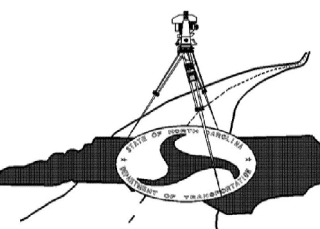


DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

**TIP PROJECT: HN-0040**  
County: Johnston

PREPARED FOR



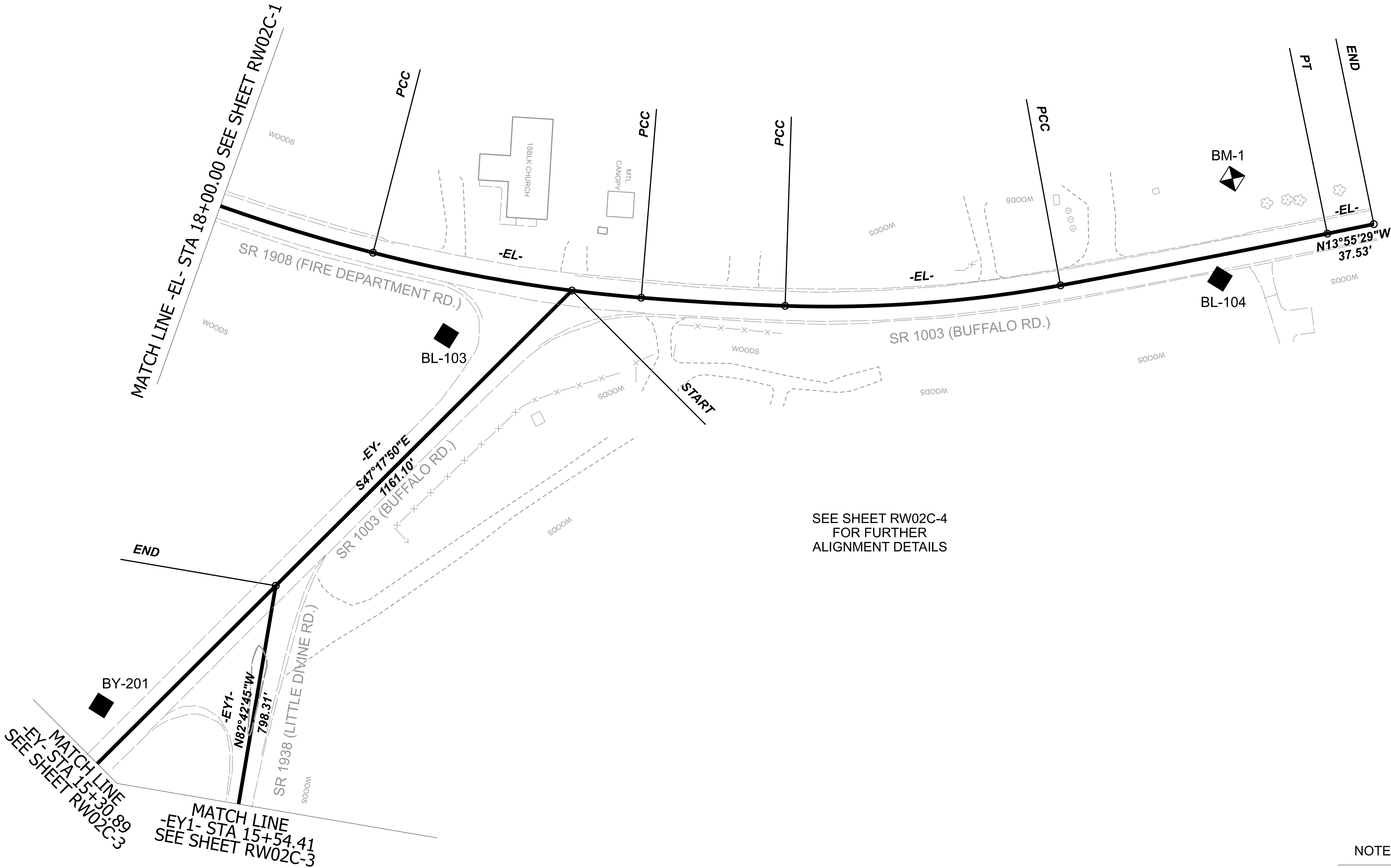
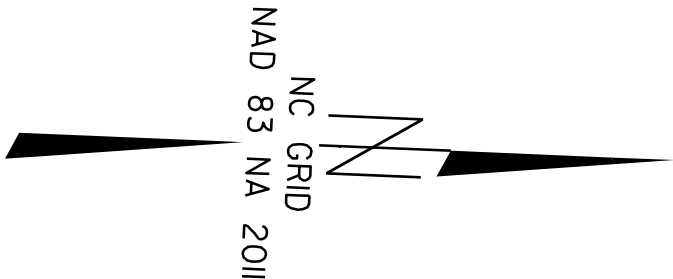
LOCATION AND  
SURVEYS UNIT

PREPARED BY



TRANSPORTATION PLANNING  
DESIGN - BRIDGE  
STRUCTURE DESIGN  
CIVIL/SITE DESIGN  
SURVEYING/SUE  
CONSTRUCTION OBSERVATION  
1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

SURVEY CONTROL SHEET  
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



I, ANTHONY K. ALFORD, PLS, CERTIFY THAT THE PROJECT CONTROL WAS PERFORMED UNDER MY SUPERVISION FROM AN ACTUAL GPS SURVEY MADE UNDER MY SUPERVISION AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:

CLASS OF SURVEY: **AA**  
TYPE OF GPS FIELD PROCEDURE: RTN  
DATES OF SURVEY: 02/27/2025  
DATUM/EPOCH: NAD83/NA2011  
PUBLISHED/FIXED-CONTROL USE: N/A  
LOCALIZED AROUND: SR1003-1  
NORTHING: 679402.315  
EASTING: 2201001.002  
COMBINED GRID FACTOR: 0.999885651  
GEOID MODEL: GEOID18  
UNITS: US SURVEY FEET

I ALSO CERTIFY THAT THE BASELINE CONTROL FOR THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:20,000 (CLASS AA) AND VERTICAL ACCURACY TO CLASS A. FIELD WORK WAS PERFORMED FROM 03/03/2025 TO 03/04/2025 , AND ALL COORDINATES ARE BASED ON NAD 83/NA 2011 AND ALL ELEVATIONS ARE BASED ON NAVD 88; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 2nd DAY OF DECEMBER, 2025.

DocuSigned by:  
*Anthony K. Alford*  
CC5F7993AE06408...

ANTHONY K. ALFORD  
PROFESSIONAL LAND SURVEYOR L-4372

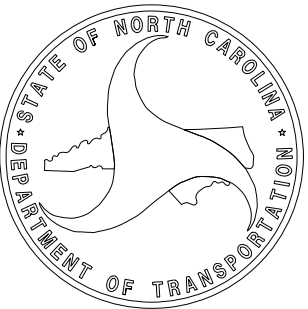
NOTES:

1. 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.

HN-0040

R/W 02C-2

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR

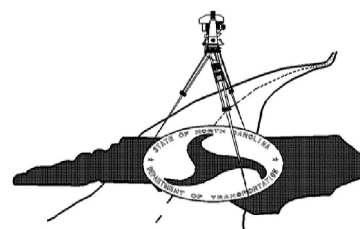


DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

**TIP PROJECT: HN-0040**  
County: Johnston

PREPARED FOR

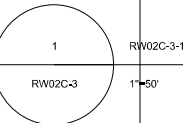


LOCATION AND  
SURVEYS UNIT

PREPARED BY

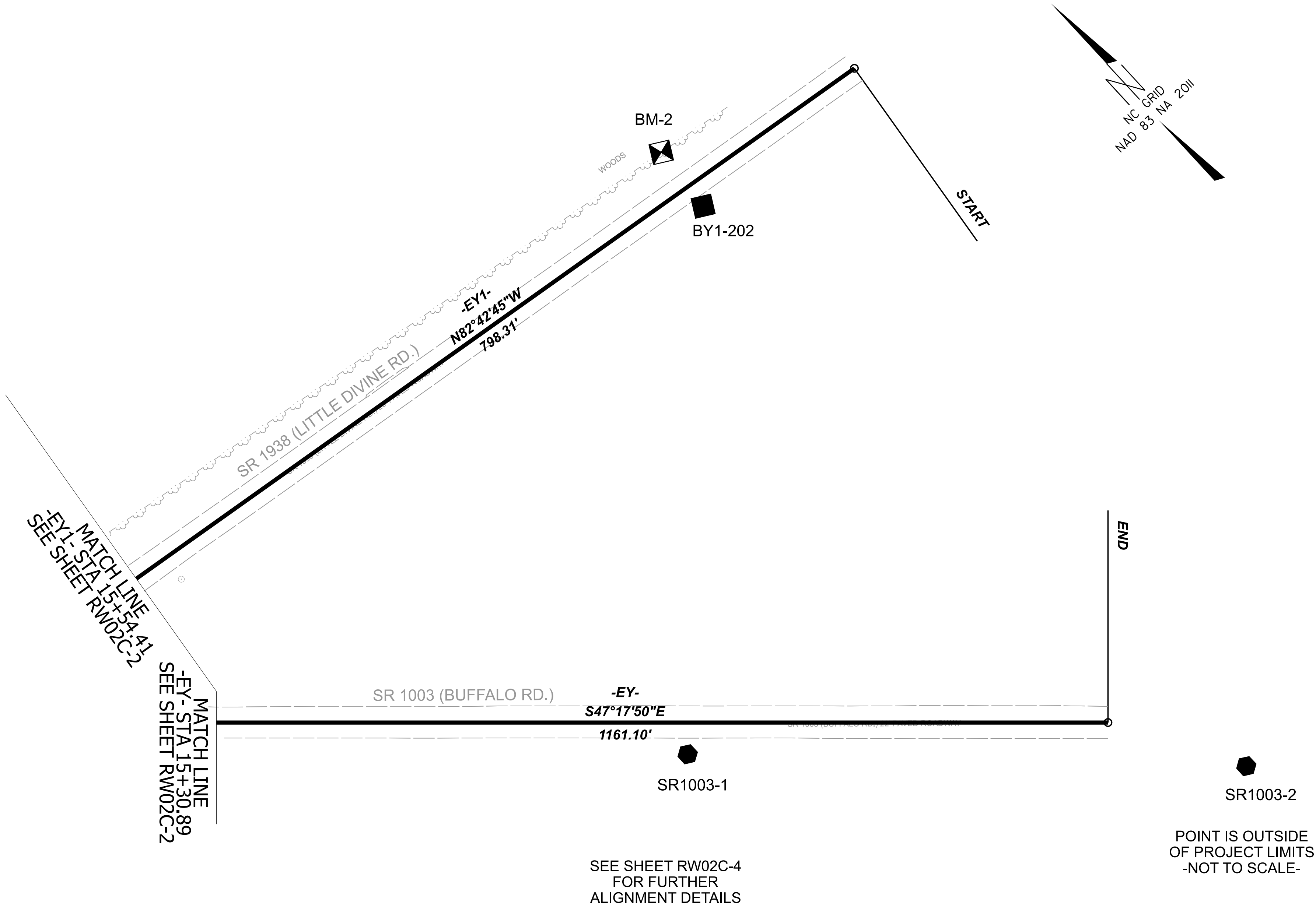


TRANSPORTATION PLANNING  
DESIGN - BRIDGE  
STRUCTURE DESIGN  
CIVIL/SITE DESIGN  
SURVEYING/SUE  
CONSTRUCTION OBSERVATION  
1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107



# SURVEY CONTROL SHEET

## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



I, ANTHONY K. ALFORD, PLS, CERTIFY THAT THE PROJECT CONTROL WAS PERFORMED UNDER MY SUPERVISION FROM AN ACTUAL GPS SURVEY MADE UNDER MY SUPERVISION AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:

CLASS OF SURVEY: **AA**  
TYPE OF GPS FIELD PROCEDURE: RTN  
DATES OF SURVEY: 02/27/2025  
DATUM/EPOCH: NAD83/NA2011  
PUBLISHED/FIXED-CONTROL USE: N/A  
LOCALIZED AROUND: SR1003-1  
NORTHING: 679402.315  
EASTING: 2201001.002  
COMBINED GRID FACTOR: 0.999885651  
GEOID MODEL: GEOID18  
UNITS: US SURVEY FEET

I ALSO CERTIFY THAT THE BASELINE CONTROL FOR THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:20,000 (CLASS AA) AND VERTICAL ACCURACY TO CLASS A. FIELD WORK WAS PERFORMED FROM 03/03/2025 TO 03/04/2025 , AND ALL COORDINATES ARE BASED ON NAD 83/NA 2011 AND ALL ELEVATIONS ARE BASED ON NAVD 88; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 2nd DAY OF DECEMBER, 2025.

DocuSigned by:  
*Anthony K. Alford*  
DC5F7893AE06408...

ANTHONY K. ALFORD  
PROFESSIONAL LAND SURVEYOR L-4372

POINT IS OUTSIDE  
OF PROJECT LIMITS  
-NOT TO SCALE-

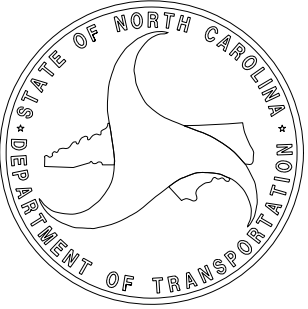
### NOTES:

1. 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.

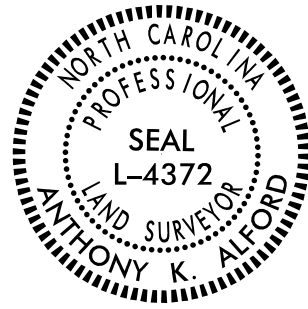
HN-0040

R/W 02C-3

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR

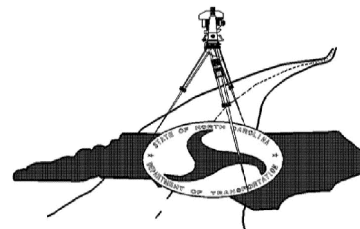


DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

**TIP PROJECT: HN-0040**  
County: Johnston

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY



TRANSPORTATION PLANNING  
DESIGN - BRIDGE  
STRUCTURE DESIGN  
CIVIL/SITE DESIGN  
SURVEYING/SUE  
CONSTRUCTION OBSERVATION  
1223 Jones Franklin Rd.  
Raleigh, N.C. 27605  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PRIMARY CONTROL |           |            |           |
|-----------------|-----------|------------|-----------|
| POINT           | Northing  | Easting    | Elevation |
| SR1003-1        | 679402.32 | 2201001.00 | 253.73    |
| SR1003-2        | 678978.48 | 2201486.33 | 259.06    |

| BASELINE CONTROL |           |            |           |
|------------------|-----------|------------|-----------|
| POINT            | Northing  | Easting    | Elevation |
| BL-101           | 679047.41 | 2199986.23 | 253.47    |
| BL-102           | 679518.70 | 2200273.57 | 252.43    |
| BL-103           | 679906.80 | 2200421.13 | 251.32    |
| BL-104           | 680517.28 | 2200350.68 | 253.97    |
| BY-201           | 679645.86 | 2200725.21 | 251.05    |
| BY1-202          | 679679.72 | 2201271.86 | 246.86    |

| BENCHMARKS |          |         |           |                           |
|------------|----------|---------|-----------|---------------------------|
| POINT      | Northing | Easting | Elevation | Description               |
| BM-1       | 680524   | 2200271 | 257.28    | BENCHTIE NAIL IN 19" PINE |
| BM-2       | 679728   | 2201276 | 250.83    | BENCHTIE NAIL IN 26" PINE |

| EXISTING ALIGNMENT NAME:EL |           |            |                |        |                   |              |        |        |          |
|----------------------------|-----------|------------|----------------|--------|-------------------|--------------|--------|--------|----------|
| POINT                      | NORTHING  | EASTING    | BEARING        | DIST   | DELTA             | D            | L      | T      | R        |
| START                      | 679028.12 | 2199938.70 |                |        |                   |              |        |        |          |
| LINE                       |           |            | N34°04'35.2""E | 335.09 |                   |              |        |        |          |
| PC                         | 679305.68 | 2200126.45 |                |        |                   |              |        |        |          |
| CURVE                      |           |            |                |        | 09°00'35.7"" Left | 03°49'49.0"" | 235.23 | 117.86 | 1495.87  |
| PCC                        | 679510.05 | 2200242.42 |                |        |                   |              |        |        |          |
| CURVE                      |           |            |                |        | 04°57'45.0"" Left | 03°09'35.5"" | 157.05 | 78.57  | 1813.24  |
| PCC                        | 679655.01 | 2200302.72 |                |        |                   |              |        |        |          |
| CURVE                      |           |            |                |        | 08°02'10.3"" Left | 04°02'08.8"" | 199.12 | 99.73  | 1419.69  |
| PCC                        | 679846.18 | 2200357.84 |                |        |                   |              |        |        |          |
| CURVE                      |           |            |                |        | 09°49'13.9"" Left | 04°33'13.2"" | 215.66 | 108.1  | 1258.23  |
| PCC                        | 680059.90 | 2200384.68 |                |        |                   |              |        |        |          |
| CURVE                      |           |            |                |        | 02°43'45.4"" Left | 02°23'24.3"" | 114.19 | 57.11  | 2397.22  |
| PCC                        | 680174.07 | 2200386.44 |                |        |                   |              |        |        |          |
| CURVE                      |           |            |                |        | 12°18'12.8"" Left | 05°36'49.2"" | 219.17 | 110.01 | 1020.65  |
| PCC                        | 680391.36 | 2200361.17 |                |        |                   |              |        |        |          |
| CURVE                      |           |            |                |        | 01°08'21.1"" Left | 00°31'44.8"" | 215.31 | 107.66 | 10828.86 |
| PT                         | 680600.84 | 2200311.44 |                |        |                   |              |        |        |          |
| LINE                       |           |            | N13°55'29.1""W | 37.53  |                   |              |        |        |          |
| END                        | 680637.27 | 2200302.41 |                |        |                   |              |        |        |          |

| EXISTING ALIGNMENT NAME:EY |           |            |               |         |       |   |   |   |   |
|----------------------------|-----------|------------|---------------|---------|-------|---|---|---|---|
| POINT                      | NORTHING  | EASTING    | BEARING       | DIST    | DELTA | D | L | T | R |
| START                      | 680004.78 | 2200381.31 |               |         |       |   |   |   |   |
| LINE                       |           |            | S47°17'49.8"E | 1161.10 |       |   |   |   |   |
| END                        | 679217.33 | 2201234.57 |               |         |       |   |   |   |   |

| EXISTING ALIGNMENT NAME:EY1 |           |            |                |        |       |   |   |   |   |
|-----------------------------|-----------|------------|----------------|--------|-------|---|---|---|---|
| POINT                       | NORTHING  | EASTING    | BEARING        | DIST   | DELTA | D | L | T | R |
| START                       | 679678.88 | 2201416.58 |                |        |       |   |   |   |   |
| LINE                        |           |            | N82°42'44.8""W | 798.31 |       |   |   |   |   |
| END                         | 679780.15 | 2200624.72 |                |        |       |   |   |   |   |

I, ANTHONY K. ALFORD, PLS, CERTIFY THAT THE PROJECT CONTROL WAS PERFORMED UNDER MY SUPERVISION FROM AN ACTUAL GPS SURVEY MADE UNDER MY SUPERVISION AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:

CLASS OF SURVEY: **AA**  
TYPE OF GPS FIELD PROCEDURE: RTN  
DATES OF SURVEY: 02/27/2025  
DATUM/EPOCH: NAD83/NA2011  
PUBLISHED/FIXED-CONTROL USE: N/A  
LOCALIZED AROUND: SR1003-1  
NORTHING: 679402.315  
EASTING: 2201001.002  
COMBINED GRID FACTOR: 0.999885651  
GEOID MODEL: GEOID18  
UNITS: US SURVEY FEET

I ALSO CERTIFY THAT THE BASELINE CONTROL FOR THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:20,000 (CLASS AA) AND VERTICAL ACCURACY TO CLASS A. FIELD WORK WAS PERFORMED FROM 03/03/2025 TO 03/04/2025 , AND ALL COORDINATES ARE BASED ON NAD 83/NA 2011 AND ALL ELEVATIONS ARE BASED ON NAVD 88; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 2nd DAY OF DECEMBER, 2025.

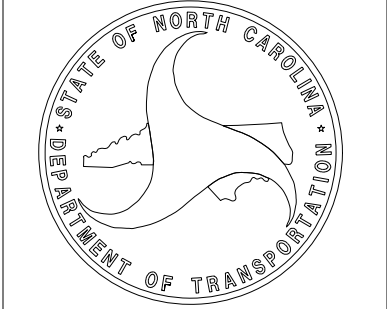
DocuSigned by:  
*Anthony K. Alford*  
CC5F7983AE08408.

ANTHONY K. ALFORD  
PROFESSIONAL LAND SURVEYOR L-4372

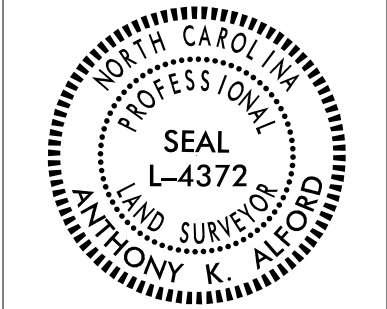
HN-0040

R/W02C-4

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR



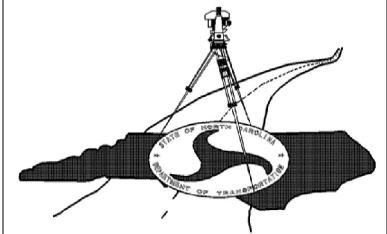
DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

TIP PROJECT: HN-0040

County: Johnston

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY



TRANSPORTATION PLANNING  
DESIGN - BRIDGE  
STRUCTURE DESIGN  
CIVIL/SITE DESIGN  
SURVEYING/SUE  
CONSTRUCTION OBSERVATION  
1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

NOTES:

1. 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.

PROPOSED ALIGNMENT CONTROL SHEET

I, ANTHONY K. ALFORD, PLS, CERTIFY THAT THE DATA COMPILED CAME FROM AVAILABLE SURVEYS/MAPPING PERFORMED BY OTHERS AND PROVIDED TO ME BY NCDOT AND DO NOT CERTIFY TO THE ACCURACY OR QUALITY OF THE INDIVIDUAL DATA SOURCES.

THIS 2ND DAY OF DECEMBER, 2025.

DocuSigned by:  
Anthony K. Alford  
CCSF7963AE06408.

ANTHONY K. ALFORD  
PROFESSIONAL LAND SURVEYOR L-4372

| PROPOSED ALIGNMENT: L1 |          |             |              |               |         |             |             |         |         |           |    |    |
|------------------------|----------|-------------|--------------|---------------|---------|-------------|-------------|---------|---------|-----------|----|----|
| POINT                  | STATION  | NORTHING    | EASTING      | BEARING       | DIST    | DELTA       | D           | L       | T       | R         | LT | ST |
| START                  | 10+00.00 | 679264.1376 | 2201183.8547 | N47°17'49.8"W | 80.457  |             |             |         |         |           |    |    |
| PC                     | 10+80.46 | 679318.7033 | 2201124.7283 | N59°14'01.6"W | 496.391 | 23°52'23.7" | 04°46'28.7" | 500     | 253.681 | 1200.000  |    |    |
| PRC                    | 15+80.46 | 679572.6253 | 2200698.1986 | N67°04'40.2"W | 119.898 | 08°11'06.4" | 06°49'15.3" | 120     | 60.102  | 840.000   |    |    |
| PCC                    | 17+00.46 | 679619.3232 | 2200587.7684 | N46°55'15.8"W | 118.434 | 32°07'42.5" | 26°46'25.4" | 120     | 61.623  | 214.000   |    |    |
| PT                     | 18+20.38 | 679700.1495 | 2200501.3013 | N30°52'37.3"W | 181.847 |             |             |         |         |           |    |    |
| PC                     | 20+02.30 | 679856.223  | 2200407.9782 | N11°56'45.4"W | 138.856 | 37°51'43.8" | 26°46'25.4" | 141.415 | 73.398  | 214.000   |    |    |
| PRC                    | 21+43.72 | 679992.0721 | 2200379.2365 | N02°56'14.9"W | 413.563 | 19°50'42.7" | 04°46'28.7" | 415.637 | 209.921 | 1200.000  |    |    |
| PCC                    | 25+59.36 | 680405.0912 | 2200358.0431 | N13°18'04.5"W | 166.766 | 00°52'56.5" | 00°31'44.8" | 166.768 | 83.385  | 10828.860 |    |    |
| END                    | 27+26.12 | 680567.3835 | 2200319.6750 |               |         |             |             |         |         |           |    |    |

| PROPOSED ALIGNMENT: Y1 |          |             |              |               |         |             |             |         |        |          |    |    |
|------------------------|----------|-------------|--------------|---------------|---------|-------------|-------------|---------|--------|----------|----|----|
| POINT                  | STATION  | NORTHING    | EASTING      | BEARING       | DIST    | DELTA       | D           | L       | T      | R        | LT | ST |
| PC                     | 10+00.00 | 679350.0236 | 2200155.3195 | N28°33'28.8"E | 182.198 | 06°58'58.8" | 03°49'49.0" | 182.31  | 91.268 | 1495.866 |    |    |
| PRC                    | 11+82.31 | 679510.0540 | 2200242.4188 | N33°51'04.3"E | 179.296 | 17°34'09.9" | 09°45'38.8" | 180.000 | 90.712 | 587.000  |    |    |
| PT                     | 13+62.31 | 679658.9566 | 2200342.2932 | N42°38'09.3"E | 164.37  |             |             |         |        |          |    |    |
| END                    | 15+26.68 | 679779.8794 | 2200453.6274 |               |         |             |             |         |        |          |    |    |

| PROPOSED ALIGNMENT: Y2 |          |             |              |               |         |             |             |         |         |          |    |    |
|------------------------|----------|-------------|--------------|---------------|---------|-------------|-------------|---------|---------|----------|----|----|
| POINT                  | STATION  | NORTHING    | EASTING      | BEARING       | DIST    | DELTA       | D           | L       | T       | R        | LT | ST |
| START                  | 9+43.00  | 679779.8794 | 2200453.6274 | N65°32'55.1"E | 82.886  |             |             |         |         |          |    |    |
| PC                     | 10+25.89 | 679814.1877 | 2200529.0798 | N89°20'02.8"E | 172.618 | 47°34'15.4" | 26°46'25.4" | 177.678 | 94.320  | 214.000  |    |    |
| PRC                    | 12+03.56 | 679816.1938 | 2200701.6862 | S74°47'47.1"E | 330.531 | 15°49'55.3" | 04°46'28.7" | 331.585 | 166.856 | 1200.000 |    |    |
| PT                     | 15+35.15 | 679729.5122 | 2201020.6489 | S82°42'44.8"E | 165.391 |             |             |         |         |          |    |    |
| END                    | 17+00.54 | 679708.5324 | 2201184.7040 |               |         |             |             |         |         |          |    |    |

| PROPOSED ALIGNMENT: RABT |          |             |              |               |         |              |              |         |         |        |    |    |
|--------------------------|----------|-------------|--------------|---------------|---------|--------------|--------------|---------|---------|--------|----|----|
| POINT                    | STATION  | NORTHING    | EASTING      | BEARING       | DIST    | DELTA        | D            | L       | T       | R      | LT | ST |
| PC                       | 10+00.00 | 679779.8794 | 2200510.6274 | N12°13'32.4"W | 24.140  | 24°27'04.9"  | 100°31'08.1" | 24.330  | 12.350  | 57.000 |    |    |
| PCC                      | 10+24.33 | 679803.4729 | 2200505.5152 | N72°39'51.1"W | 85.000  | 96°25'32.4"  | 100°31'08.1" | 95.930  | 63.780  | 57.000 |    |    |
| PCC                      | 11+20.25 | 679828.8008 | 2200424.3751 | S05°52'46.0"W | 91.340  | 106°29'13.4" | 100°31'08.1" | 105.940 | 76.310  | 57.000 |    |    |
| PCC                      | 12+26.19 | 679737.9461 | 2200415.0191 | N66°19'04.6"E | 104.400 | 132°38'09.3" | 100°31'08.1" | 131.950 | 129.960 | 57.000 |    |    |
| END                      | 13+58.14 | 679779.8794 | 2200510.6274 |               |         |              |              |         |         |        |    |    |

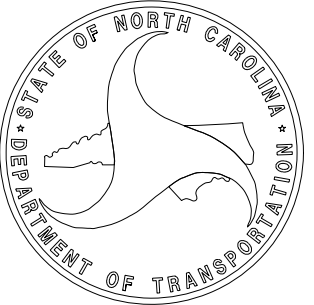
NOTES:

1. 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.

HN-0040

R/W020-I

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR

Seal of the North Carolina Professional Land Surveyors

ANTHONY K. ALFORD

Seal L-4372

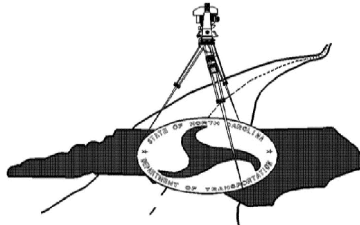
DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

TIP PROJECT: HN-0040

County: Johnston

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY



TRANSPORTATION PLANNING  
DESIGN - BRIDGE  
STRUCTURE DESIGN  
CIVIL/SITE DESIGN  
SURVEYING/SUE  
CONSTRUCTION OBSERVATION  
1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

RIGHT OF WAY CONTROL SHEET

| PERMANENT ROW MARKER IRON PIN AND CAP: L1 |        |             |              |
|-------------------------------------------|--------|-------------|--------------|
| STATION                                   | OFFSET | NORTH       | EAST         |
| 10+50.00                                  | -50.00 | 679261.3023 | 2201113.1999 |
| 10+50.00                                  | -30.00 | 679276.0010 | 2201126.7648 |
| 10+80.46                                  | -50.00 | 679281.9593 | 2201090.8185 |
| 15+80.46                                  | -50.00 | 679525.3012 | 2200682.0609 |
| 17+00.46                                  | -50.00 | 679574.7787 | 2200565.0574 |
| 17+94.66                                  | -50.00 | 679648.2985 | 2200476.2678 |
| 21+20.20                                  | -30.05 | 679968.9732 | 2200347.6132 |
| 21+43.72                                  | -37.18 | 679996.5935 | 2200342.3336 |
| 21+46.99                                  | 65.00  | 679987.5909 | 2200444.1688 |
| 21+69.91                                  | -45.00 | 680022.5978 | 2200337.3630 |
| 22+05.21                                  | -50.00 | 680056.8041 | 2200335.2728 |
| 22+22.49                                  | 42.00  | 680068.1507 | 2200428.1772 |
| 22+22.49                                  | 65.00  | 680066.8609 | 2200451.1410 |
| 25+59.36                                  | 42.00  | 680414.4392 | 2200398.9895 |
| 25+59.36                                  | -50.00 | 680393.9627 | 2200309.2972 |
| 26+10.00                                  | 30.00  | 680461.2522 | 2200375.8717 |
| 26+10.00                                  | 42.00  | 680463.9777 | 2200387.5581 |
| 26+50.00                                  | -30.00 | 680486.4544 | 2200308.3082 |
| 26+50.00                                  | -50.00 | 680481.8399 | 2200288.8478 |

| PERMANENT ROW MARKER IRON PIN AND CAP: Y1 |        |             |              |
|-------------------------------------------|--------|-------------|--------------|
| STATION                                   | OFFSET | NORTH       | EAST         |
| 10+50.00                                  | 65.00  | 679360.2067 | 2200237.3542 |
| 10+50.00                                  | 30.00  | 679377.7778 | 2200207.0845 |
| 11+82.31                                  | 65.00  | 679482.5154 | 2200301.2968 |
| 13+62.31                                  | 65.00  | 679614.9297 | 2200390.1120 |
| 13+91.15                                  | 65.00  | 679636.1462 | 2200409.6460 |

| PERMANENT ROW MARKER IRON PIN AND CAP: Y2 |        |             |              |
|-------------------------------------------|--------|-------------|--------------|
| STATION                                   | OFFSET | NORTH       | EAST         |
| 10+72.78                                  | -50.00 | 679877.7098 | 2200563.2339 |
| 12+03.56                                  | -50.00 | 679862.1782 | 2200721.3188 |
| 12+25.00                                  | -40.00 | 679845.0156 | 2200736.5213 |
| 12+25.00                                  | -50.00 | 679854.2811 | 2200740.2829 |
| 13+82.65                                  | 40.00  | 679719.6904 | 2200860.9507 |
| 15+35.15                                  | -40.00 | 679769.1890 | 2201025.7229 |
| 15+35.15                                  | 40.00  | 679689.8356 | 2201015.5750 |
| 16+00.00                                  | -30.00 | 679751.0435 | 2201088.7814 |
| 16+00.00                                  | -40.00 | 679760.9628 | 2201090.0499 |
| 16+00.00                                  | 30.00  | 679691.5282 | 2201081.1705 |
| 16+00.00                                  | 40.00  | 679681.6090 | 2201079.9020 |

I, ANTHONY K. ALFORD, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED FROM 11/10/2025 TO 11/17/2025, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 2ND DAY OF DECEMBER, 2025.

DocuSigned by:  
*Anthony K. Alford*  
CCSF7893AE00408...

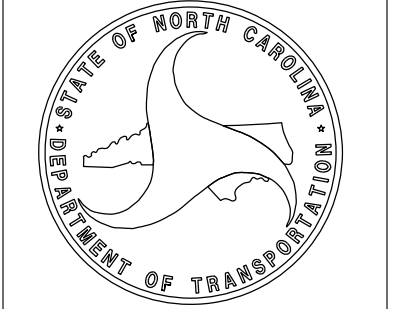
ANTHONY K. ALFORD  
PROFESSIONAL LAND SURVEYOR L-4372

HN-0040

R/W

03E-1

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR

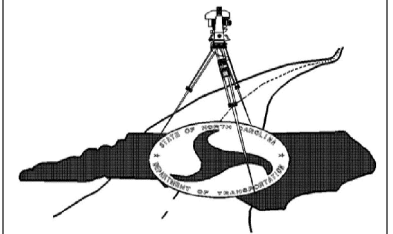


DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

TIP PROJECT: HN-0040  
County: Johnston

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY



TRANSPORTATION PLANNING  
DESIGN - BRIDGE  
STRUCTURE DESIGN  
CIVIL/SITE DESIGN  
SURVEYING/SUE  
CONSTRUCTION OBSERVATION

1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. P-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

NOTES:

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

PERMANENT EASEMENT CONTROL SHEET

| PERMANENT EASEMENT MARKER IRON PIN AND CAP: L1 |         |             |              |
|------------------------------------------------|---------|-------------|--------------|
| STATION                                        | OFFSET  | NORTH       | EAST         |
| 20+10.88                                       | -94.43  | 679818.4922 | 2200320.7990 |
| 20+13.13                                       | -102.40 | 679817.6133 | 2200312.2230 |
| 20+20.07                                       | -86.69  | 679833.6700 | 2200321.6610 |
| 20+22.69                                       | -97.14  | 679832.4902 | 2200310.6310 |
| 21+50.00                                       | -39.11  | 680002.8600 | 2200341.1360 |
| 21+50.00                                       | -47.00  | 680003.7800 | 2200333.3040 |
| 21+94.31                                       | 65.00   | 680037.2192 | 2200449.1220 |
| 21+95.01                                       | 74.89   | 680037.1781 | 2200459.0450 |
| 21+99.06                                       | 65.00   | 680042.2176 | 2200449.5110 |
| 21+99.70                                       | 74.50   | 680042.1782 | 2200459.0370 |
| 23+02.69                                       | 42.00   | 680151.1256 | 2200430.0740 |
| 23+24.93                                       | 90.00   | 680175.5351 | 2200477.5970 |
| 23+60.63                                       | 42.00   | 680211.0503 | 2200427.9930 |
| 23+60.63                                       | 90.00   | 680213.8773 | 2200475.9080 |
| 24+14.17                                       | -50.00  | 680256.7800 | 2200331.9900 |
| 24+42.31                                       | 62.47   | 680297.8022 | 2200440.4610 |
| 24+42.81                                       | 42.00   | 680295.7194 | 2200420.0890 |
| 24+43.31                                       | -60.05  | 680283.2300 | 2200318.8000 |
| 24+56.56                                       | 62.94   | 680312.7244 | 2200438.9360 |
| 24+57.31                                       | 42.00   | 680310.5936 | 2200418.0940 |
| 24+59.04                                       | -61.39  | 680297.8600 | 2200315.4700 |
| 25+50.00                                       | -60.00  | 680383.0600 | 2200301.4900 |
| 25+50.00                                       | -64.00  | 680382.2000 | 2200297.5900 |
| 25+56.26                                       | 58.10   | 680414.8629 | 2200415.4060 |
| 25+57.15                                       | 42.00   | 680412.2088 | 2200399.4970 |
| 25+58.00                                       | -60.00  | 680390.4800 | 2200299.8300 |
| 25+58.00                                       | -64.00  | 680389.6000 | 2200295.9300 |
| 25+71.03                                       | 59.00   | 680429.6590 | 2200412.9410 |
| 25+72.05                                       | 42.00   | 680426.8573 | 2200396.1470 |
| 26+30.00                                       | -60.00  | 680460.1800 | 2200283.6900 |
| 26+30.00                                       | -56.00  | 680461.0900 | 2200287.5800 |
| 26+38.00                                       | -56.00  | 680468.8400 | 2200285.7600 |
| 26+38.00                                       | -60.00  | 680467.9200 | 2200281.8600 |
| 26+75.00                                       | -56.00  | 680504.6500 | 2200277.2400 |
| 26+75.00                                       | -30.00  | 680510.7100 | 2200302.5300 |

NAIL SET - CONC SLAB 6" BELOW GROUND

| PERMANENT EASEMENT MARKER IRON PIN AND CAP: Y2 |        |             |              |
|------------------------------------------------|--------|-------------|--------------|
| STATION                                        | OFFSET | NORTH       | EAST         |
| 13+14.05                                       | 99.70  | 679682.6442 | 2200774.6035 |
| 13+34.57                                       | 47.38  | 679726.0790 | 2200810.9943 |

I, ANTHONY K. ALFORD, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED FROM 11/10/2025 TO 11/17/2025 & 6/2/2026, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 2ND DAY OF JUNE, 2026.

DocuSigned by:  
*Anthony K. Alford*  
CCSF7983AE08408

ANTHONY K. ALFORD  
PROFESSIONAL LAND SURVEYOR L-4372

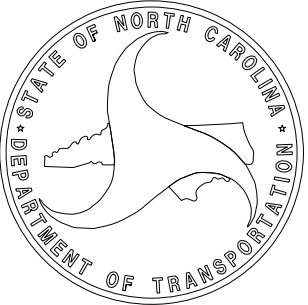
NOTES:

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

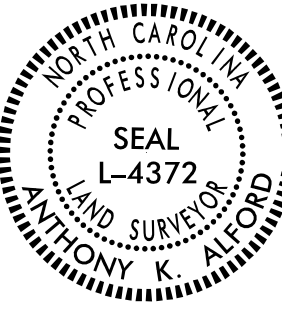
HN-0040

R/W 03E-2

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR

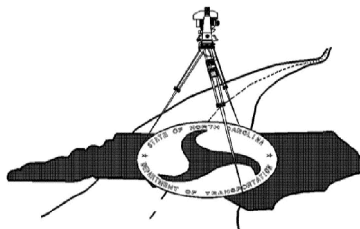


DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

TIP PROJECT: HN-0040  
County: Johnston

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY

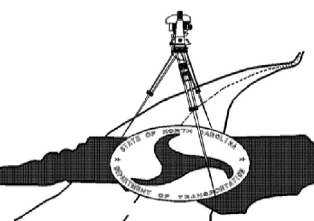


TRANSPORTATION PLANNING  
DESIGN - BRIDGE  
STRUCTURE DESIGN  
CIVIL/SITE DESIGN  
SURVEYING/SUE

CONSTRUCTION OBSERVATION

1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

PREPARED FOR



PREPARED BY

**W**ETHERILL  
ENGINEERING

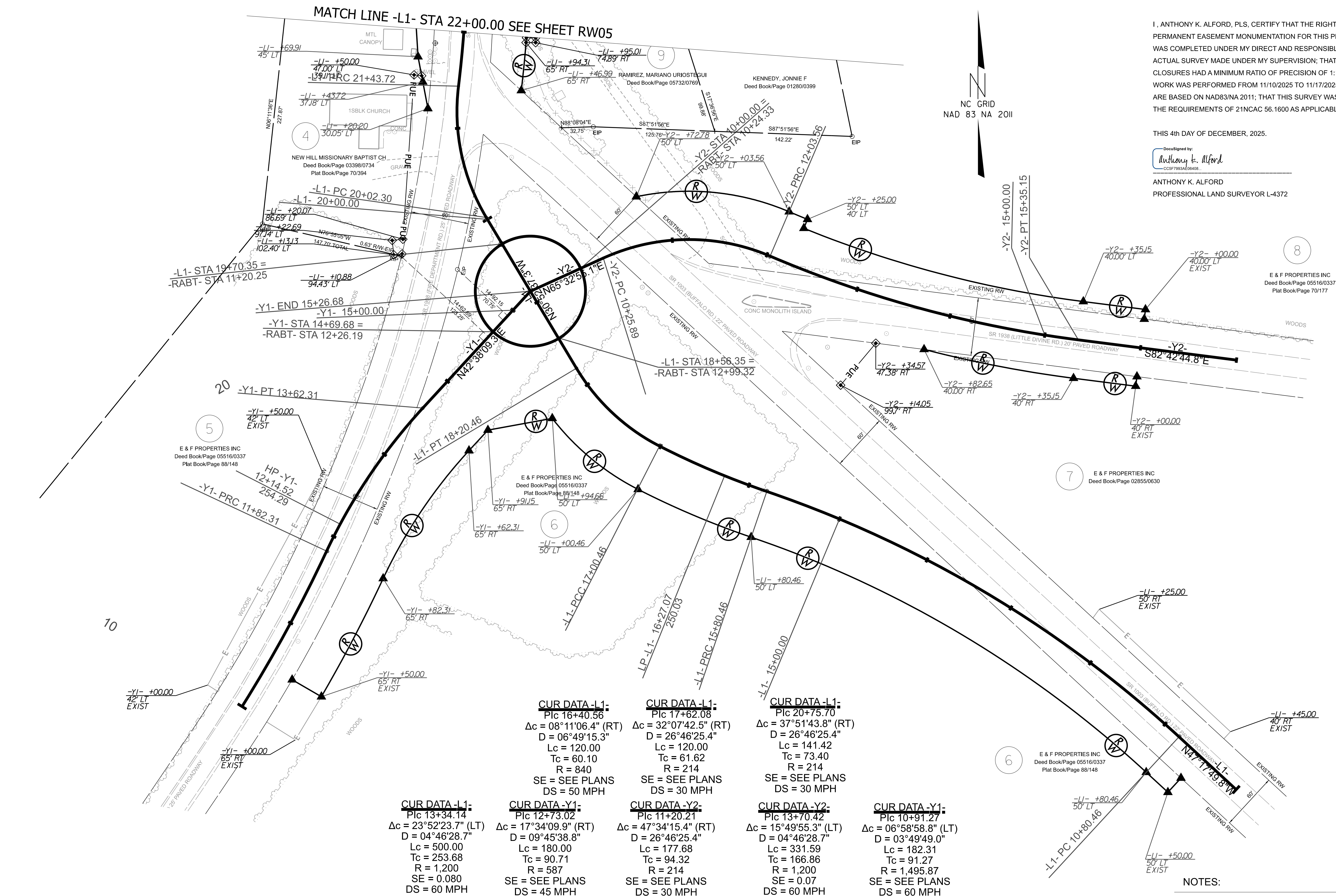
TRANSPORTATION PLANNING  
DESIGN - BRIDGE  
STRUCTURE DESIGN  
CIVIL/SITE DESIGN  
SURVEYING/SUE  
CONSTRUCTION OBSERVATION

1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

THIS 4th DAY OF DECEMBER, 2025.

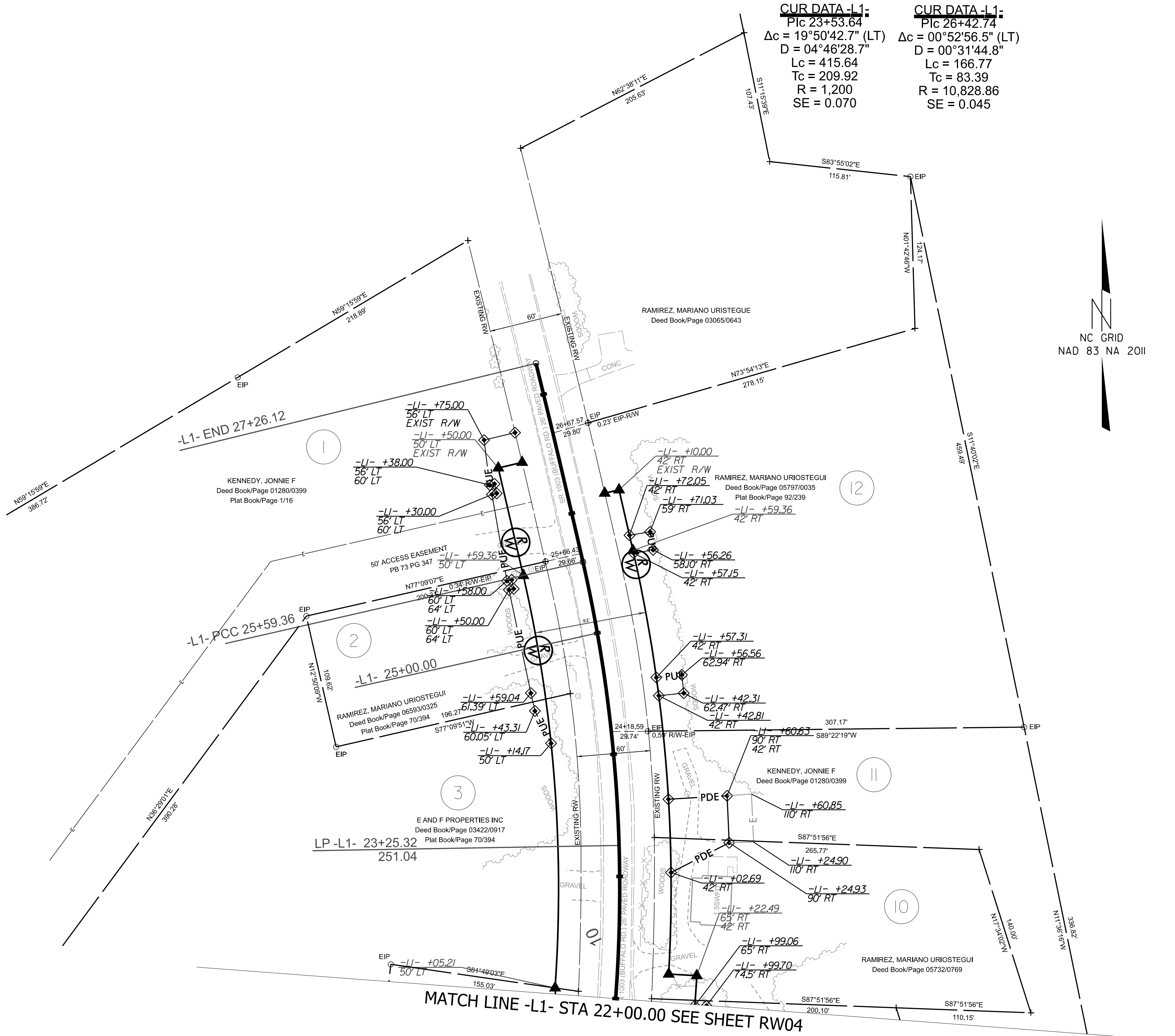
DocuSigned by:  
Anthony E. Alford  
CC5F7993AE0840B...

ANTHONY K. ALFORD  
PROFESSIONAL LAND SURVEYOR L-4372



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





**CUR DATA -L1-**  
Pic 23+53.64  
 $\Delta c = 19^{\circ}50'42.7''$  (LT)  
 $D = 04^{\circ}46'28.7''$   
 $Lc = 415.64$   
 $Tc = 209.92$   
 $R = 1,200$   
 $SE = 0.070$

**CUR DATA -L1-**  
Pic 26+42.74  
 $\Delta c = 00^{\circ}52'56.5''$  (LT)  
 $D = 00^{\circ}31'44.8''$   
 $Lc = 166.77$   
 $Tc = 83.39$   
 $R = 10,828.86$   
 $SE = 0.045$

I, ANTHONY K. ALFORD, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED FROM 11/10/2025 TO 11/17/2025 & 6/2/2026, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 2ND DAY OF JUNE, 2026.

DocuSigned by:  
*Anthony K. Alford*  
CC3F7953A2E04008

ANTHONY K. ALFORD  
PROFESSIONAL LAND SURVEYOR L-4372



HN-0040

R/W05

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION

PROFESSIONAL LAND  
SURVEYOR

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

2024 STANDARD  
SPECIFICATIONS

# TIP PROJECT: HN-0040

## County: Johnston

PREPARED FOR

LOCATION AND  
SURVEYS UNIT

PREPARED BY

NOTES:

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

TRANSPORTATION PLANNING  
DESIGN - BRIDGE  
STRUCTURE DESIGN  
CIVIL/SITE DESIGN  
SURVEYING/SUE  
CONSTRUCTION OBSERVATION  
1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107