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STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0109	RW01	4

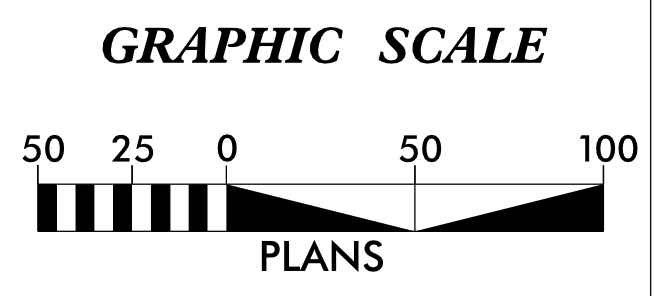
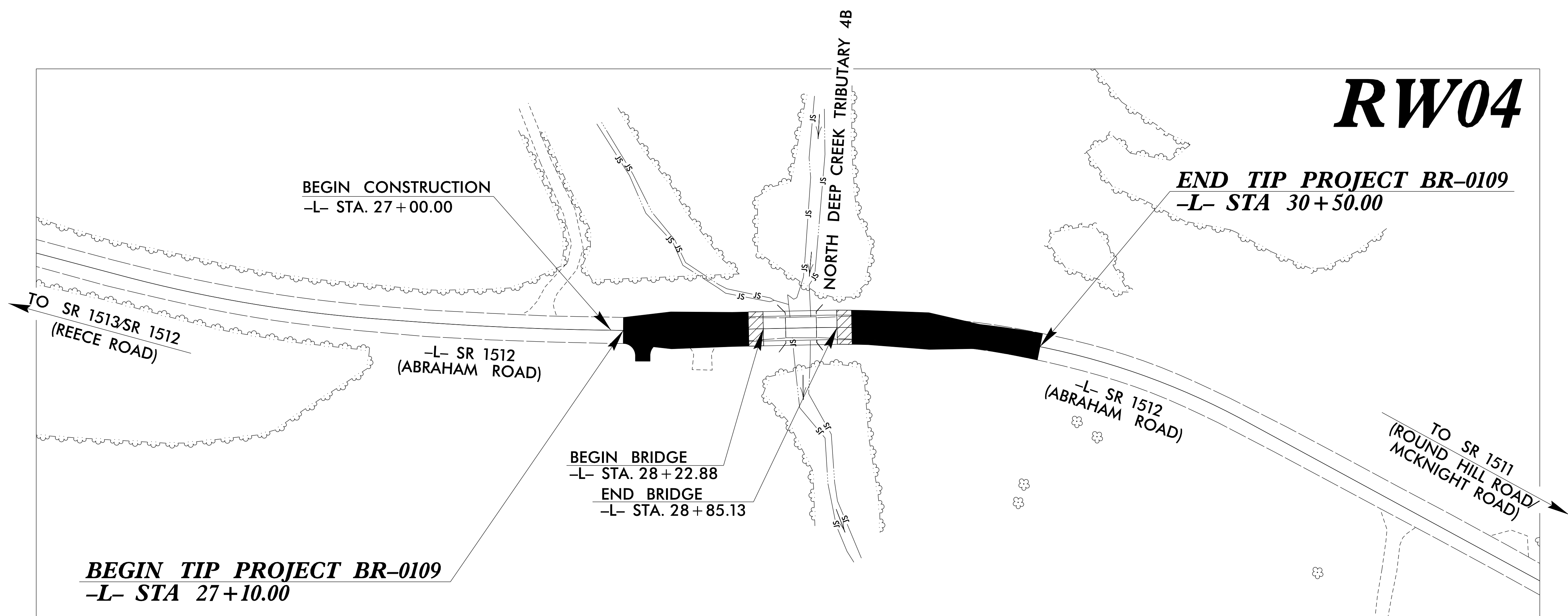
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

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

**YADKIN COUNTY**

**TIP PROJECT: BR-0109**



**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "BR109-1" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 899416.0955(ft) EASTING: 1502504.645(ft) ELEVATION: 950.971(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99997214

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR109-1" TO -L- STATION 20+00 IS  
N 47°-34'46.85" W 46.63(ft)

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

Prepared in the Office of:

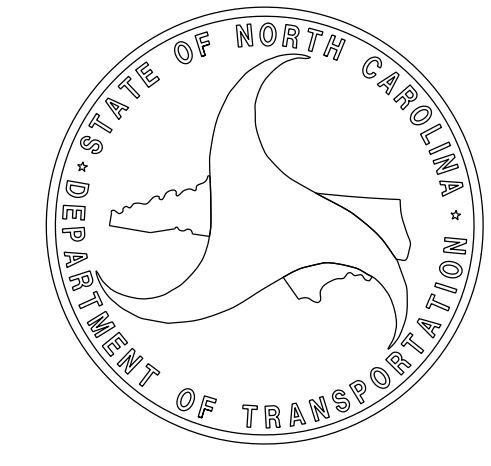
2018 STANDARD SPECIFICATIONS

<b>RIGHT OF WAY DATE:</b> APRIL 2022	<b>LETTING DATE:</b> JULY 19, 2022
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**PROFESSIONAL LAND SURVEYOR**


DocuSigned by:  
*R. Landon Wagner*  
-34096137F2D942D-

Date: 04/07/2022



07-APR-2022 09:17 Z:\OLD\_D\N\W\K\ES\BR-0109\RW\stake&sheets\04-06-22\50\_r\row sheets\BR0109\_ls\_rw01.dgn F:\wsg\AT\_LS-30815

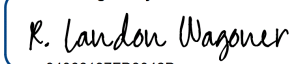
# PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. BR-0109	SHEET NO. RW02D-1
Location and Surveys	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

TYPE	STATION	NORTH	EAST
POT	20+00.00	899447.5495	1502470.2225
PC	20+20.95	899439.0074	1502489.3569
PT	20+74.80	899411.6054	1502535.5748
PC	20+74.80	899411.6054	1502535.5748
PT	21+66.67	899351.3526	1502604.8399
PC	22+99.29	899257.9592	1502698.9857
PT	25+11.25	899123.4393	1502862.3991
PC	25+42.58	899105.8516	1502888.3258
PT	27+84.12	898979.9380	1503094.3462
PC	28+68.03	898939.6255	1503167.9401
PT	30+37.95	898843.7633	1503307.9016
PC	30+37.95	898843.7633	1503307.9016
PT	32+28.64	898699.9041	1503431.8196
POT	36+09.03	898375.8639	1503631.0568

I, R. Landon Wagener, 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 7th day of April, 2022.

DocuSigned by:  
  
 Professional Land Surveyor L-4301


**NOTES:**

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

REVISIONS

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 RW01501 AL LS 308115

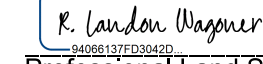
# RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. BR-0109	SHEET NO. RW03E-1
Location and Surveys	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

## ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	27+00.00	-25.00	899043.0792	1503033.9804
L	27+40.00	25.00	898979.7534	1503043.4490
L	27+40.00	35.00	898971.0676	1503038.4935
L	27+63.00	-74.00	899054.7644	1503111.9546
L	28+35.00	-62.00	899009.8704	1503168.7568
L	28+35.00	53.00	898909.0108	1503113.5088
L	29+00.00	-35.00	898953.7922	1503213.6355
L	29+00.00	-25.00	898945.2076	1503208.5067
L	29+17.00	40.00	898880.9589	1503188.9970
L	29+17.00	25.00	898893.6803	1503196.9448

I, R. Landon Wagoner, 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 04/06/22 to 04/07/22, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 7th day of April, 2022.  
  
 Professional Land Surveyor L-4301

**NOTES:**

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

6/2/19

REVISIONS

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 R. Wagoner  
 04/07/22



Location and Surveys

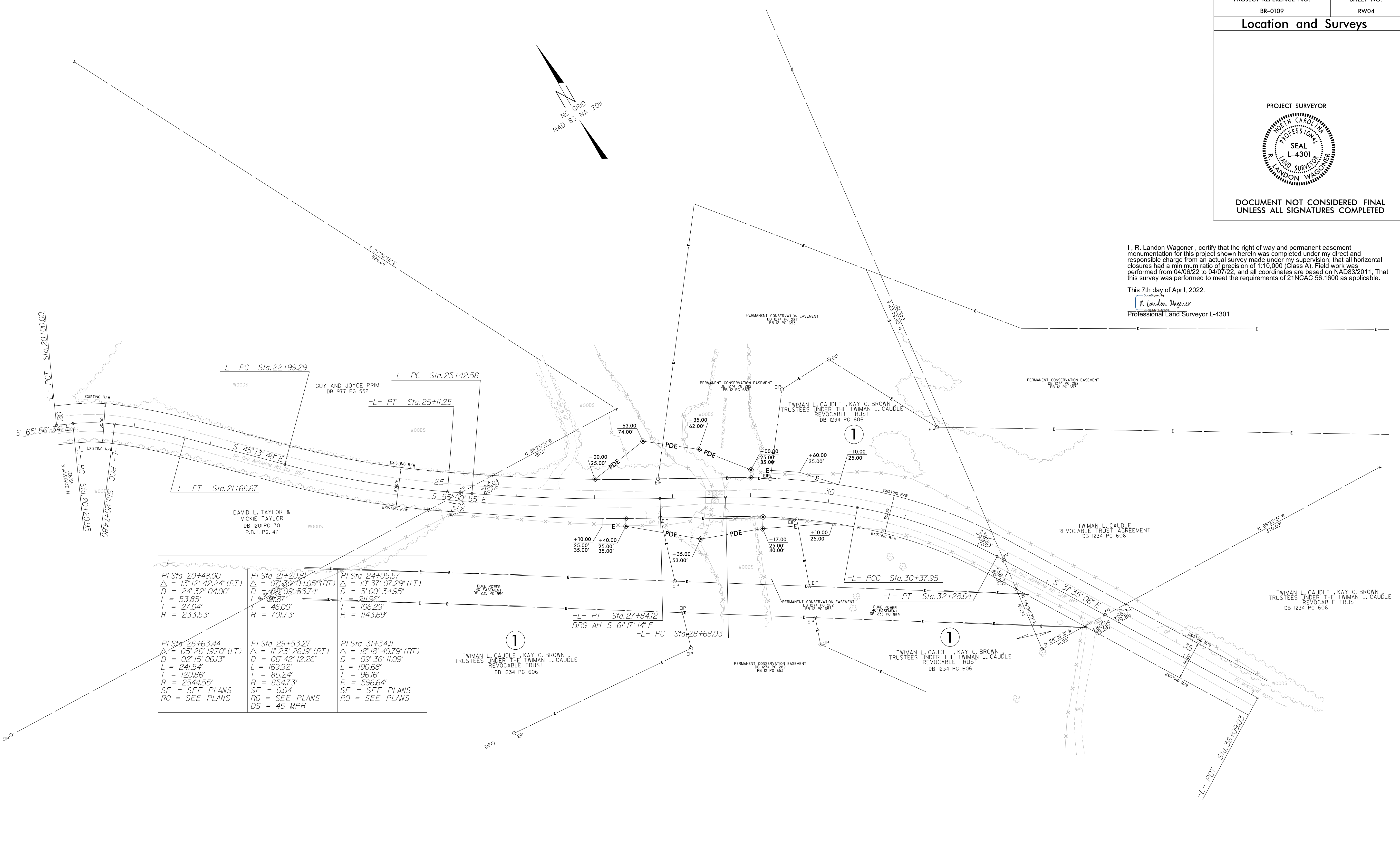
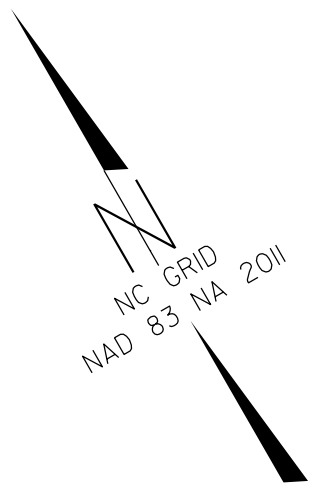
PROJECT SURVEYOR



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I, R. Landon Wagoner, 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 04/06/22 to 04/07/22, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 7th day of April, 2022.  
 R. Landon Wagoner  
 Professional Land Surveyor L-4301



PI Sta 20+48.00 $\Delta = 13^\circ 12' 42.24''$ (RT) $D = 24^\circ 32' 04.00''$ $L = 53.85'$ $T = 27.04'$ $R = 233.53'$	PI Sta 21+20.81 $\Delta = 07^\circ 30' 04.05''$ (RT) $D = 08^\circ 09' 53.74''$ $L = 39.87'$ $T = 46.00'$ $R = 701.73'$	PI Sta 24+05.57 $\Delta = 10^\circ 37' 07.29''$ (LT) $D = 5^\circ 00' 34.95''$ $L = 211.96'$ $T = 106.29'$ $R = 1143.69'$
PI Sta 26+63.44 $\Delta = 05^\circ 26' 19.70''$ (LT) $D = 02^\circ 15' 06.13''$ $L = 241.54'$ $T = 120.86'$ $R = 2544.55'$ SE = SEE PLANS RO = SEE PLANS	PI Sta 29+53.27 $\Delta = 11^\circ 23' 26.19''$ (RT) $D = 06^\circ 42' 12.26''$ $L = 169.92'$ $T = 85.24'$ $R = 854.73'$ SE = 0.04 RO = SEE PLANS DS = 45 MPH	PI Sta 31+34.11 $\Delta = 18^\circ 18' 40.79''$ (RT) $D = 09^\circ 36' 11.09''$ $L = 190.68'$ $T = 96.16'$ $R = 596.64'$ SE = SEE PLANS RO = SEE PLANS

REVISIONS

6/2/19

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3. RIGHT OF WAY MONUMENTATION ESTABLISHED \_\_\_\_\_ TO \_\_\_\_\_.