

09/08/21

TIP PROJECT: B-5619

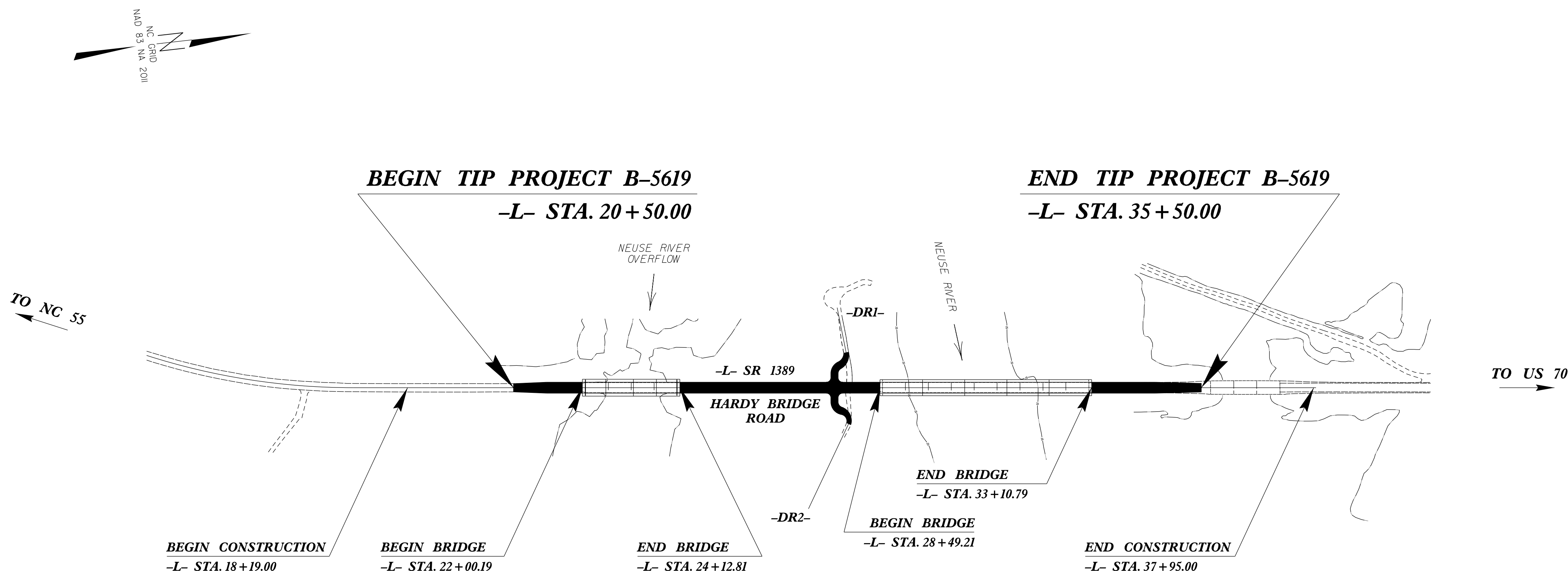
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5619	RW01	05

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

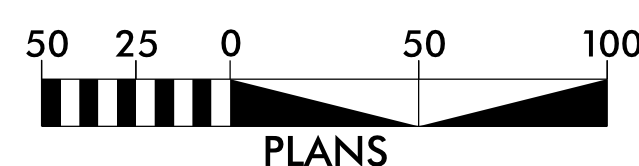
SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

LENOIR COUNTY

**LOCATION: BRIDGE NO. 52 OVER NEUSE RIVER AND
BRIDGE NO. 152 OVER NEUSE RIVER OVERFLOW ON
SR 1389 (HARDY BRIDGE ROAD)**



GRAPHIC SCALE



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "B5619-2" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 536983.274(ft) EASTING: 2367955.422(ft) ELEVATION: 49.82(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998760855 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5619-2" TO -L- STATION 20+50.00 IS N 12-50'45" E 955.50(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 1988

Prepared in the Office of:

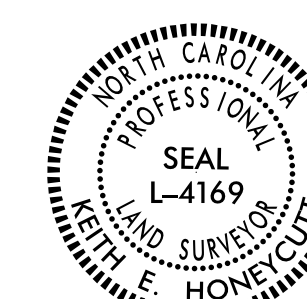
**DIVISION 2
LOCATION & SURVEYS**

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
SEPTEMBER 15, 2020

LETTING DATE:
MAY 18, 2021

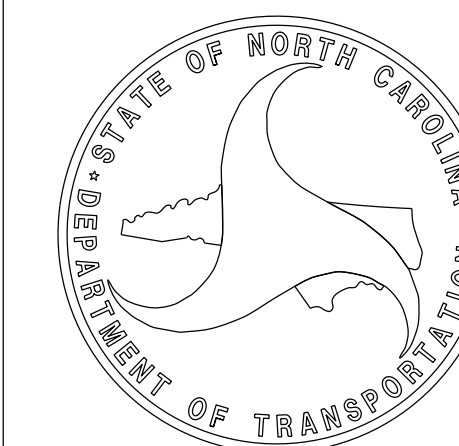
**PROFESSIONAL LAND
SURVEYOR**



Designed by:
KE Honeycutt
SIGNATURE

3/4/2021

Date:



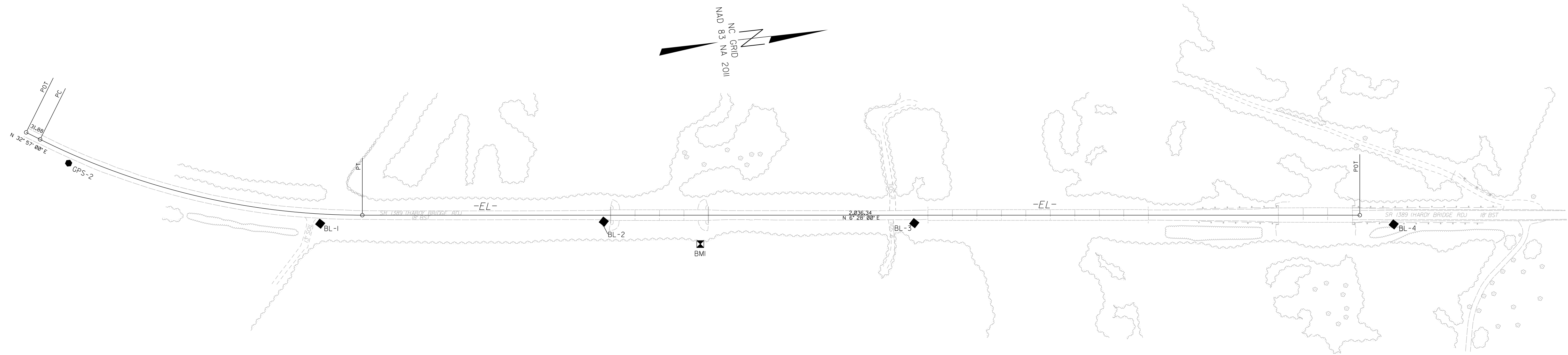
\$\$\$\$\$ SYSTEM \$\$\$\$\$\$
\$\$\$\$\$ DDN \$\$\$\$\$\$
\$\$\$\$\$ USERNAME \$\$\$\$\$\$

SURVEY CONTROL SHEET B-5619

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. B-5619	SHEET NO. RW02C-1
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	

REVISIONS



BASELINE					
BL POINT	DESC.	NORTH	EAST	ELEVATION	
GPS1	NCDOT GPS B5619	536089.4620	2367364.3130	51.92	
GPS2	NCDOT GPS B5619	536983.2740	2367955.4220	49.82	
BL1	BL - 1	537479.6203	2368135.9277	48.82	
BL2	BL - 2	538055.4203	2368196.9837	49.70	
BL3	BL - 3	538684.9114	2368271.4300	52.01	
BL4	BL - 4	539657.0780	2368384.1950	49.42	

EXISTING ALIGNMENT									
EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	536984.197	2367883.222							
LINE			N 32°57'00.0" E	31.88					
PC	536930.950	2367900.563							
CURVE			N 19°42'30.0" E	675.72	26°29'00.0"(L)	03°53'04.1"	681.78	347.09	1475.00
PT	537567.091	2368128.439							
LINE			N 06°28'00.0" E	2036.34					
POT	539590.473	2368357.782							

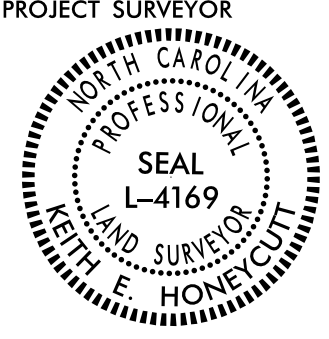
BENCKMARK

.....
 B.M1 ELEVATION = 38.64
 N 538246 E 2368265
 RAILROAD SPIKE SET IN 18" GUM TREE

NOTES:


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

PROPOSED ALIGNMENT CONTROL SHEET B-5619

PROJECT REFERENCE NO. B-5619	SHEET NO. RW02D-1
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Keith E. Honeycutt, 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 24th day of February, 2021.

DocuSigned by:

KEHONEYCUTT
Professional Land Surveyor L-4169

REVISIONS

L									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	536915.658	2367890.651							
LINE	536930.950	2367900.563	N 32°57'00.0" E	18.22					
PC									
CURVE			N 19°42'30.0" E	675.72	26°29'00.0"(L)	03°53'04.1"	681.78	347.09	1475.00
PCC	537567.091	2368128.439							
PT									
LINE			N 06°28'00.0" E	2100.00					
POT	539853.730	2368364.952							


DR1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	538635.856	2368073.954							
LINE			N 85°08'52.9" E	99.80					
PC	538644.297	2368173.393							
CURVE			S 56°44'57.7" E	30.85	76°12'18.8"(RT)	22°9'10.59.2"	33.25	19.60	25.00
PCC	538627.380	2368199.195							
CURVE			S 51°05'24.2" E	21.46	64°53'11.7"(L)	286°28'44.0"	22.65	12.71	20.00
PT	538613.902	2368215.893							
LINE			S 83°32'00.0" E	31.00					
POT	538610.411	2368246.695							

DR2									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	538610.411	2368246.695							
LINE			S 83°32'00.0" E	31.00					
PC	538606.919	2368277.498							
CURVE			N 56°46'32.0" E	25.55	79°22'55.9"(L)	286°28'44.0"	27.71	16.60	20.00
PCC	538620.916	2368298.868							
CURVE			N 69°25'06.0" E	31.66	104°40'03.9"(RT)	286°28'44.0"	36.54	25.91	20.00
PT	538632.047	2368320.510							
LINE			S 58°14'52.0" E	204.70					
POT	538524.322	2368502.577							

NOTES:

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RIGHT OF WAY CONTROL SHEET B-5619

PROJECT REFERENCE NO. B-5619	SHEET NO. RW02E-1
Location and Surveys	
DIVISION 2 LOCATION & SURVEYS	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Keith E. Honeycutt, 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 October 2020 to February 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of February, 2021.

DocuSigned by:

 Professional Land Surveyor L-4169
8C1194DAE3D4DF

REVISIONS

ROW MARKER PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	19+75.00	50.00	537834.7102	2368209.0927
L	19+75.00	30.00	537836.9627	2368189.2200
L	21+50.00	53.00	538008.2589	2368231.7830
L	21+50.00	30.00	538010.8492	2368208.9294
L	21+50.00	60.00	538007.4705	2368238.7385
L	21+50.00	-30.00	538017.6068	2368149.3111
L	21+50.00	-50.00	538019.8593	2368129.4384
L	24+75.00	-30.00	538340.5389	2368185.9143
L	24+75.00	52.00	538331.3037	2368267.3926
L	24+75.00	30.00	538333.7814	2368245.5326
L	24+75.00	60.00	538330.4027	2368275.3417
L	24+75.00	-50.00	538342.7914	2368166.0416
L	28+10.00	82.00	538660.7935	2368334.9311
L	28+10.00	30.00	538666.6500	2368283.2620
L	28+10.00	-50.00	538675.6600	2368203.7710
L	28+10.00	-30.00	538673.4075	2368223.6437
L	28+10.00	52.00	538664.1723	2368305.1220
L	28+63.00	82.00	538713.4563	2368340.9003
L	28+63.00	52.00	538716.8350	2368311.0911
L	33+10.00	79.00	539157.9502	2368388.2628
L	33+10.00	52.00	539160.9911	2368361.4346
L	33+55.00	30.00	539208.1825	2368344.6427
L	33+55.00	79.00	539202.6638	2368393.3309
L	33+55.00	52.00	539205.7847	2368366.5827
L	33+75.00	-50.00	539237.0652	2368267.4842
L	33+75.00	-30.00	539234.8127	2368287.2769
L	37+95.00	30.00	539645.3830	2368394.1978
L	37+95.00	52.00	539642.9852	2368416.0578

NOT SET (HIGH WATER)

NOT SET (HIGH WATER)

NOT SET (HIGH WATER) OLD POINT WAS NOT REMOVED 33+60.00 79.00' RT
 NOT SET (HIGH WATER) OLD POINT WAS NOT REMOVED 33+60.00 52.00' RT

NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED OCTOBER 2020 TO FEBRUARY 2021.

Location and Surveys

DIVISION 2
LOCATION & SURVEYS

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

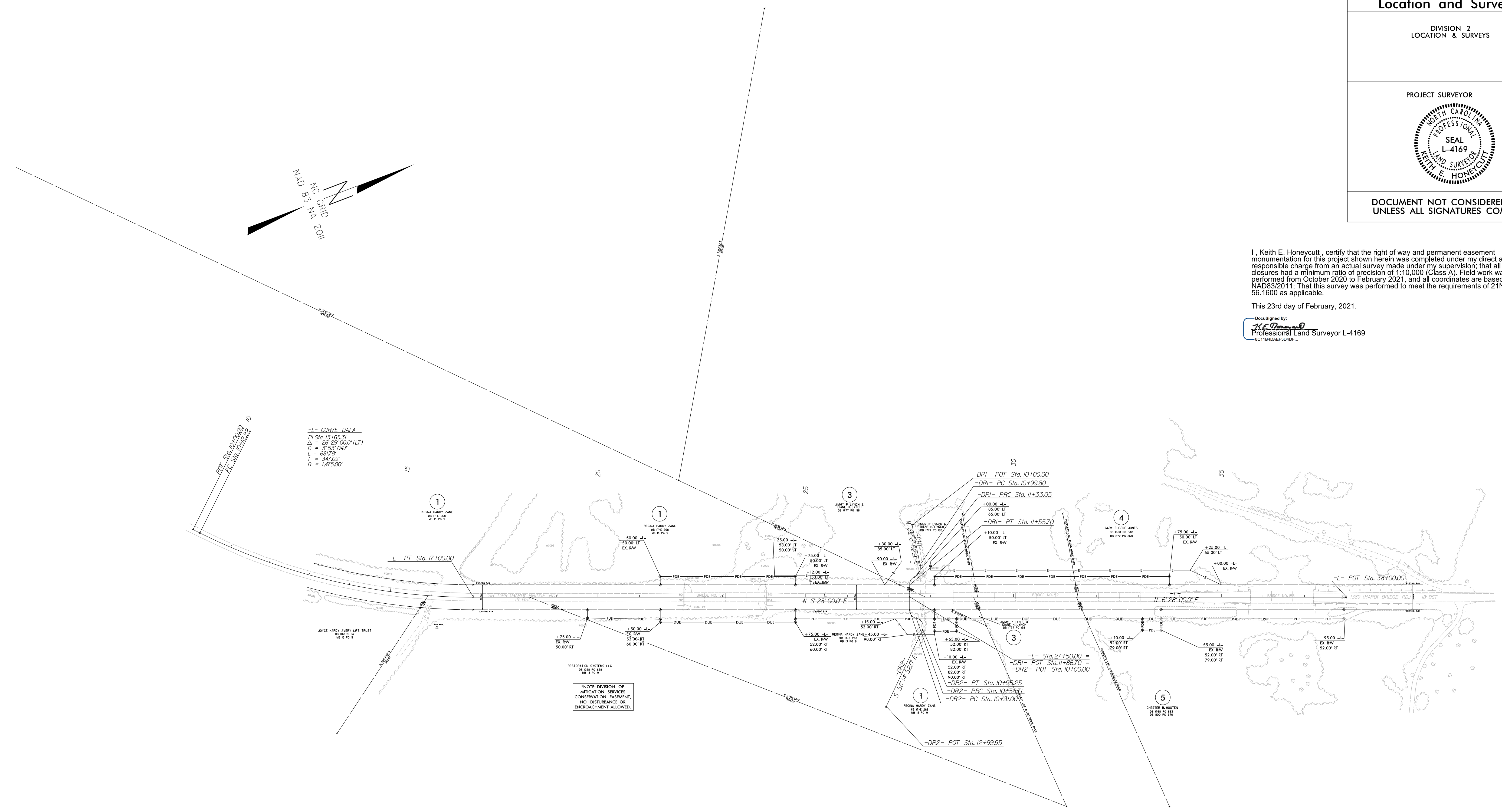
I, Keith E. Honeycutt, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from October 2020 to February 2021, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 23rd day of February, 2021.

DocuSigned by:

 Professional Land Surveyor L-4169
 8C1194DAEF304DF

REVISIONS



NOTES:

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