

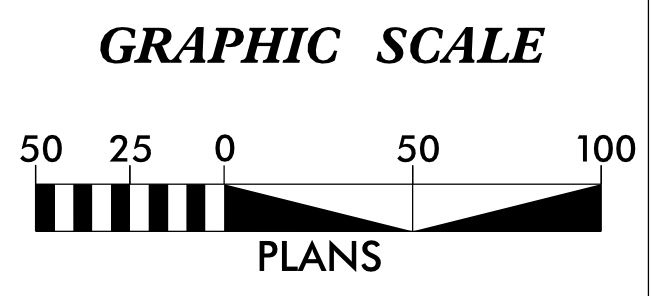
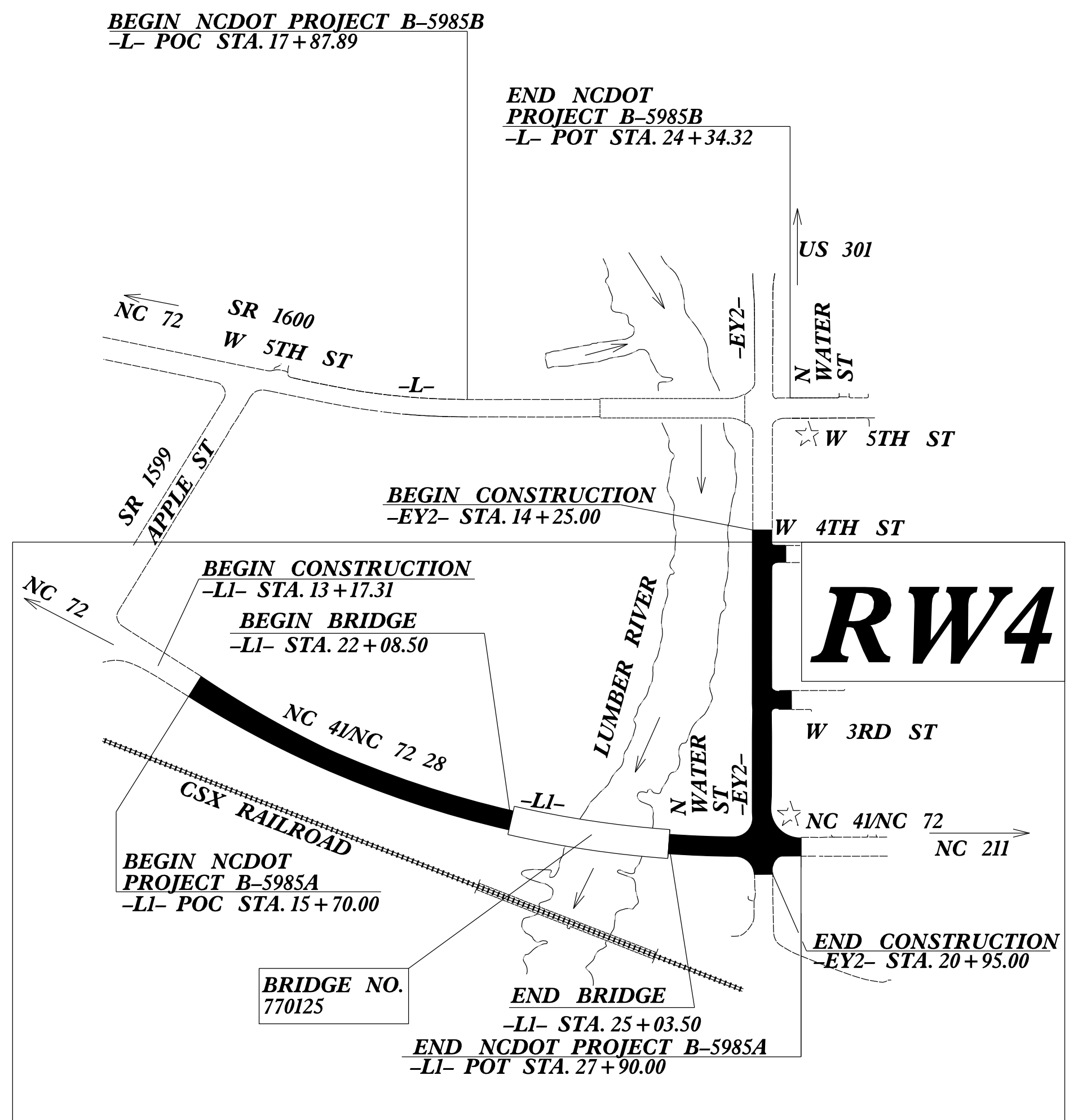
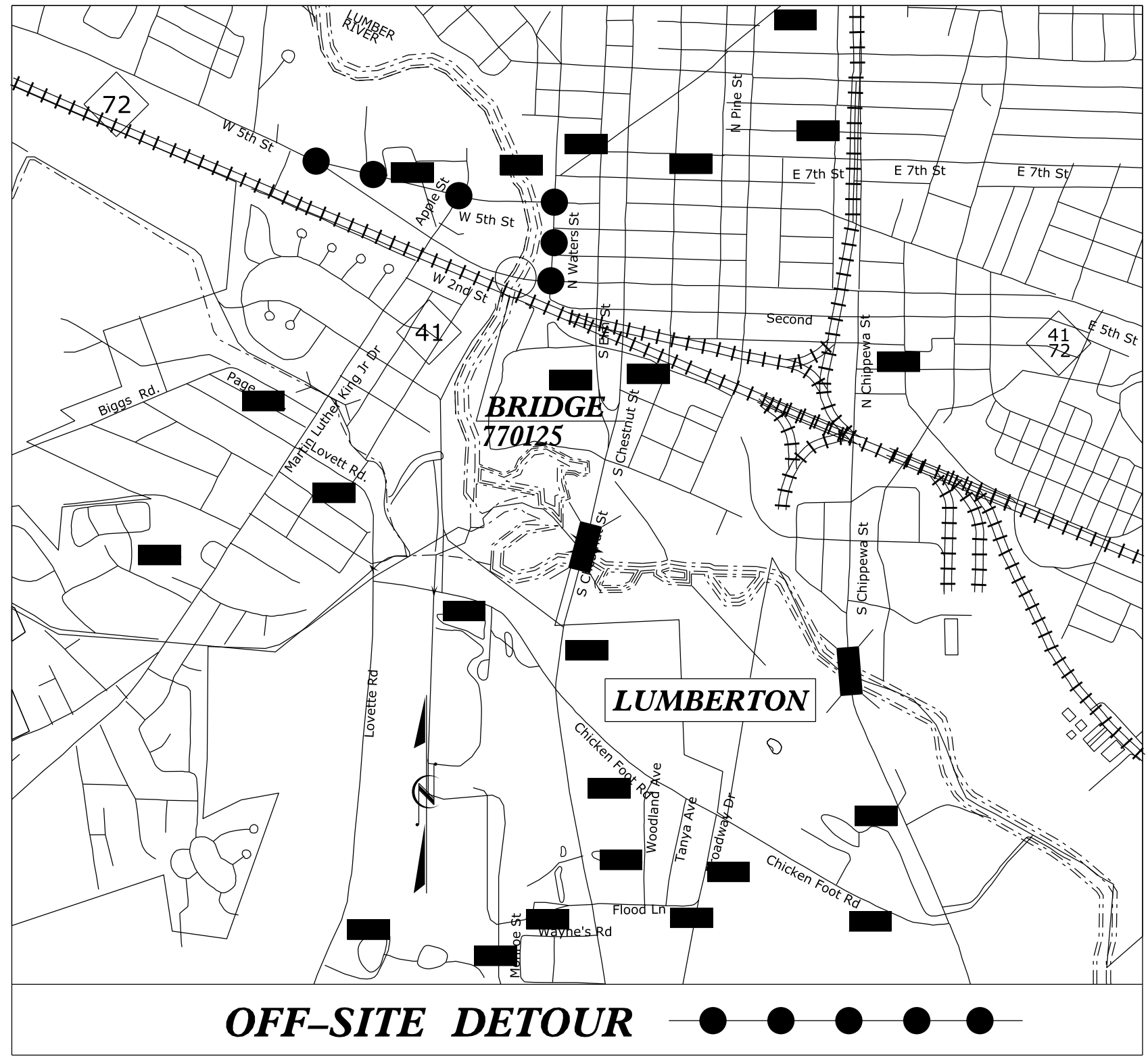
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5985A	RW01	07

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

ROBESON COUNTY

TIP PROJECT: B-5985A



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U-5524 BL-1" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 317571.3516(ft) EASTING: 1997005.3507(ft)
ELEVATION: 136.89(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999931234 (1/X= 1.000068770)
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U-5524 BL-1" TO -L- STATION 17+87.89 IS
S 38-12'20.7" W 1087.65(ft)

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

Prepared in the Office of:

NCDOT LOCATION AND SURVEYS
4834 US HWY 301 S
HOPE MILLS, NC 28348

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
01/27/2022

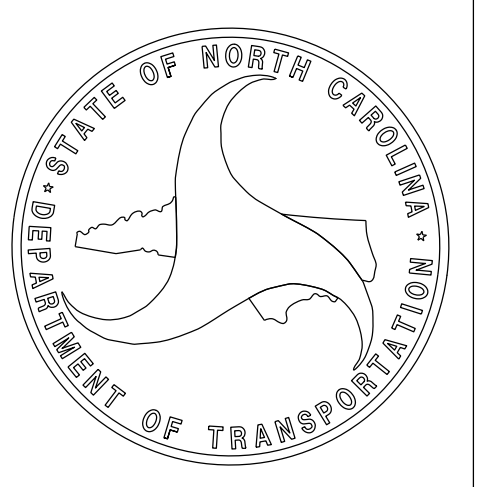
LETTING DATE:
12/20/2022

PROFESSIONAL LAND SURVEYOR



DocuSigned by:
Keith E. Honeycutt
SIGNATURE
9C11B4BAEF3D4DF

01/13/2023
Date:

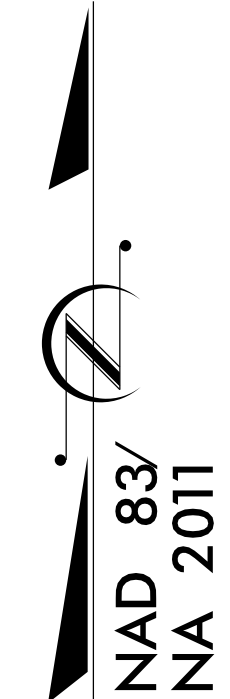


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wimilson AT LS-329499L

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
B-5985	RW02C-1
Location and Surveys	
NCDOT LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	



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.

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. B-5985	SHEET NO. RW02C-2
Location and Surveys	
NCDOT LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	

BL	POINT	DESC.	NORTH	EAST	ELEVATION
8	B5985	BL-8	316847.6532	1995532.0070	117.11
102	B5985	GPS-10	316753.6819	1996006.3321	117.27
1	B5985	BL-1	316689.1078	1996440.9032	120.40
105	U5524	BL-5	316667.9917	1996964.1310	132.98

BY	POINT	DESC.	NORTH	EAST	ELEVATION
7	B5985	BL-7	316617.9309	1995326.5584	119.20
101	B5985	GPS-10	316380.0360	1995670.5558	119.56
6	B5985	BL-6	316127.2449	1995942.4984	120.70
5	B5985	BL-5	315937.8593	1996408.5622	123.40
4	B5985	BL-4	315863.3428	1996876.2969	121.57

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
50	U5524	BL-5	316667.9917	1996964.1310	132.98
2	B5985	BL-2	316399.7516	1996896.6706	126.83
3	B5985	BL-3	316136.7629	1996933.8089	118.57
40	B5985	BL-4	315863.3428	1996876.2969	121.57

 BM1 ELEVATION = 118.49
 N 316724 E 1996085
 RR SPIKE IN BASE OF 20" OAK

 BM2 ELEVATION = 124.25
 N 316000 E 1996394
 RR SPIKE IN BASE OF 10" PEAR

NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
B-5985	RW02C-3
Location and Surveys	
NCDOT LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	

REVISIONS

EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	316880.165	1995562.652							
LINE			S 76°47'56.4" E	508.69					
POT	316763.997	1996057.899							
LINE			S 76°47'56.4" E	72.87					
PC	316747.356	1996128.842							
CURVE			S 82°33'58.9" E	255.90	11°32'05.1"(LT)	04°30'00.0"	256.33	128.60	1273.24
PT	316714.249	1996382.587							
LINE			S 88°20'01.5" E	549.70					
POT	316698.265	1996932.054							
LINE			S 88°20'01.5" E	197.42					
POT	316692.524	1997129.389							

EY

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	316533.147	1995391.479							
LINE			S 55°32'25.3" E	461.06					
POT	316272.266	1995771.637							
LINE			S 55°32'25.3" E	85.75					
PC	316223.748	1995842.337							
CURVE			S 71°57'15.9" E	1079.37	32°49'41.4"(LT)	03°00'00.0"	1094.27	562.61	1909.86
PT	315889.390	1996868.608							
LINE			S 88°22'06.6" E	38.05					
POT	315888.306	1996906.646							
LINE			S 88°22'06.6" E	220.87					
POT	315882.018	1997127.426							

EY1

POINT	N	E	BEARING	DIST
POT	316781.781	1995982.083		
LINE			S 33°23'35.4" W	539.28
POT	316331.531	1995685.275		

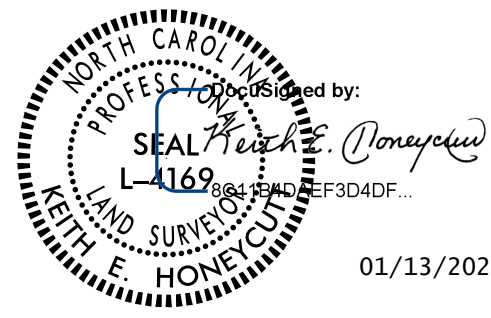
EY2

POINT	N	E	BEARING	DIST
POT	316898.157	1996938.324		
LINE			S 01°47'48.3" W	1182.36
POT	315716.383	1996901.253		

NOTES:

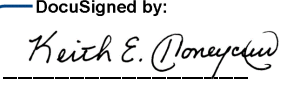
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. B-5985A	SHEET NO. RW02D-1
Location and Surveys	
NCDOT LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	
PROJECT SURVEYOR  01/13/2023	
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 12th day of January, 2023.

DocuSigned by:

 Keith E. Honeycutt
 Professional Land Surveyor L-4169

L1

TYPE	STATION	NORTH	EAST
POT	10+00.00	316533.1474	1995391.4785
PC	15+46.81	316223.7485	1995842.3367
PT	26+41.08	315889.3899	1996868.6084
POT	29+00.00	315882.0181	1997127.4262

EY2

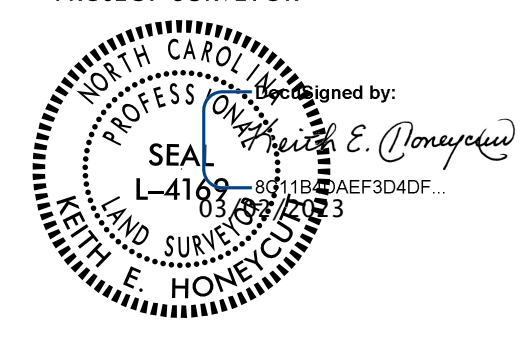
TYPE	STATION	NORTH	EAST
POT	10+00.00	316898.1575	1996938.3242
POT	21+82.36	315716.3826	1996901.2528

REVISIONS
 I:\AN-2023\01\01\HOPE MILLS_PROJECTS\Control Sheets\5985\revision-each bridge separate project\B-5985A\D-series\5985a.1s_rw02d-1.dgn
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 L-4169
 AT L-4169
 wilson

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.

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. B-5985A	SHEET NO. RW03E-1
Location and Surveys	
NCDOT LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST	
L1	15+70.00	-45.00	316248.1532	1995886.5467	
L1	15+70.00	-30.00	316235.6832	1995878.2101	
L1	21+50.00	-60.00	316023.5507	1996401.8092	
L1	21+50.00	-45.00	316009.1584	1996397.5831	
L1	22+40.00	-45.00	315986.3949	1996482.4548	
L1	22+40.00	-60.00	316000.9704	1996485.9981	
L1	22+47.15	30.00	315911.8144	1996471.7994	
L1	23+30.54	-30.00	315952.8268	1996565.9777	NOT SET
L1	23+38.31	-45.00	315966.1281	1996576.2778	NOT SET
L1	24+66.90	-30.00	315932.0617	1996698.5460	NOT SET
L1	24+71.28	55.00	315847.1366	1996692.8745	
L1	24+71.28	30.00	315871.9645	1996695.8023	
L1	24+73.03	-45.00	315946.2495	1996706.2794	NOT SET
L1	25+50.00	55.00	315839.3121	1996773.4751	
L1	25+50.00	45.00	315849.2831	1996774.2360	
L1	26+29.57	-45.00	315934.7255	1996858.6556	
L1	26+52.03	35.00	315854.0923	1996878.5593	
L1	26+52.36	-78.49	315967.5277	1996882.1177	
L1	27+06.33	-67.32	315954.8241	1996935.7458	
L1	27+22.50	-39.00	315926.0560	1996951.1043	
L1	27+50.30	-27.00	315913.2694	1996978.5523	

NOT SET
NOT SET
NOT SET
NOT SET

ROW MARKER PERMANENT EASEMENT-E

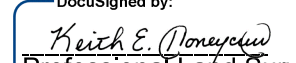
ALIGN	STATION	OFFSET	NORTH	EAST
L1	17+77.00	-45.00	316145.1360	1996060.3311
L1	17+77.00	-64.00	316161.9809	1996069.1202
L1	18+08.00	-45.00	316131.3522	1996087.2798
L1	18+08.00	-64.00	316148.3375	1996095.7944
L1	18+92.00	-67.00	316116.3018	1996170.3729
L1	18+92.00	-45.00	316096.2200	1996161.3883
L1	19+10.00	-45.00	316089.1179	1996177.4652
L1	19+10.00	-67.00	316109.2834	1996186.2602
L1	20+50.00	-70.00	316062.6937	1996312.9468
L1	20+50.00	-45.00	316039.1079	1996304.6576
L1	20+81.00	-70.00	316053.0209	1996341.2003
L1	20+81.00	-45.00	316029.3037	1996333.2951
L1	24+78.01	-57.00	315957.6130	1996712.4734
L1	25+36.00	-57.00	315952.0705	1996768.4585
L1	25+36.00	-45.00	315940.1123	1996767.4577
L1	27+05.99	51.51	315836.0571	1996932.0201
L1	27+47.88	27.00	315859.3603	1996974.5917

RAILROAD ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST	
L1	16+95.74	30.00	316118.3697	1995953.2933	NOT SET
L1	17+50.00	30.00	316091.5002	1996001.4143	NOT SET
L1	18+00.00	54.00	316046.5512	1996035.5685	NOT SET
L1	20+25.00	54.00	315954.3902	1996247.6362	NOT SET
L1	21+00.00	51.00	315932.1533	1996321.4756	NOT SET
L1	21+50.00	37.00	315930.4801	1996374.4806	NOT SET
L1	22+05.00	56.00	315897.0841	1996423.6692	NOT SET
L1	22+36.23	40.98	315903.7652	1996458.4001	NOT SET

NOT SET
NOT SET
NOT SET
NOT SET
NOT SET
NOT SET
NOT SET
NOT SET

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 June 21, 2022 to February 7, 2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 2nd day of March, 2023.
 Digitally signed by:

 Keith E. Honeycutt
 Professional Land Surveyor L-4169

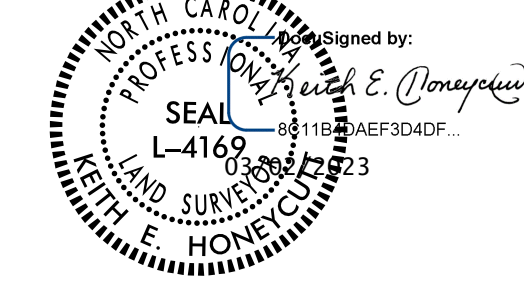
NOTES:

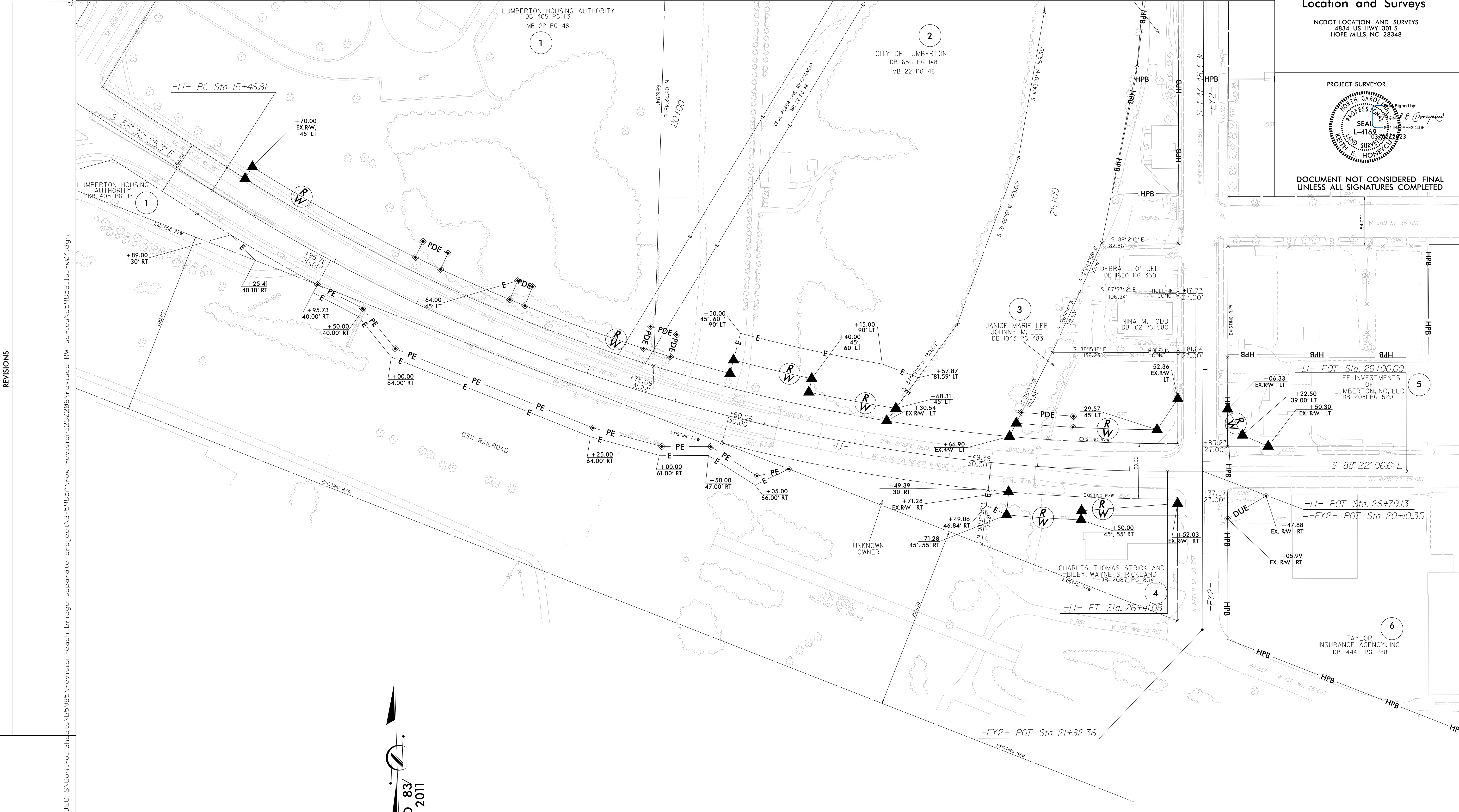
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED JUNE 21, 2022 TO FEBRUARY 7, 2023 .

6/2/19
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REVISIONS

MATCHLINE SHEET RW05 -EY2- STA. 15+00.00

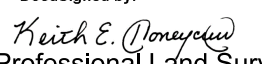
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Location and Surveys	
NCDOT LOCATION AND SURVEYS 4834 US HWY 301 S HOPE MILLS, NC 28348	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

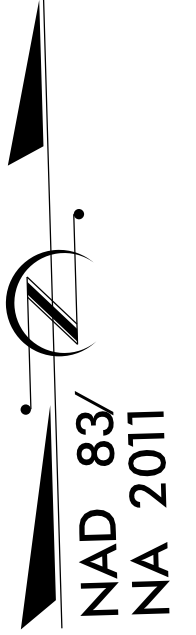


REVISIONS

8/16/2023
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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 June 21, 2022 to February 7, 2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 2nd day of March, 2023.
 Signed by:

 Keith E. Honeycutt
 Professional Land Surveyor L-4169



LEGEND
 — PE — RAILROAD PERMANENT EASEMENT

-LI-
 PI Sta 21+09.42
 $\Delta = 32^\circ 49' 41.4''$ (LT)
 $D = 3^\circ 00' 00.0''$
 $L = 1,094.27'$
 $T = 562.61'$
 $R = 1,909.86'$
 $SE = .03$
 RO = SEE PLANS
 DS = 40MPH

NOTES:

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3. RIGHT OF WAY MONUMENTATION ESTABLISHED JUNE 21, 2022 TO FEBRUARY 7, 2023.