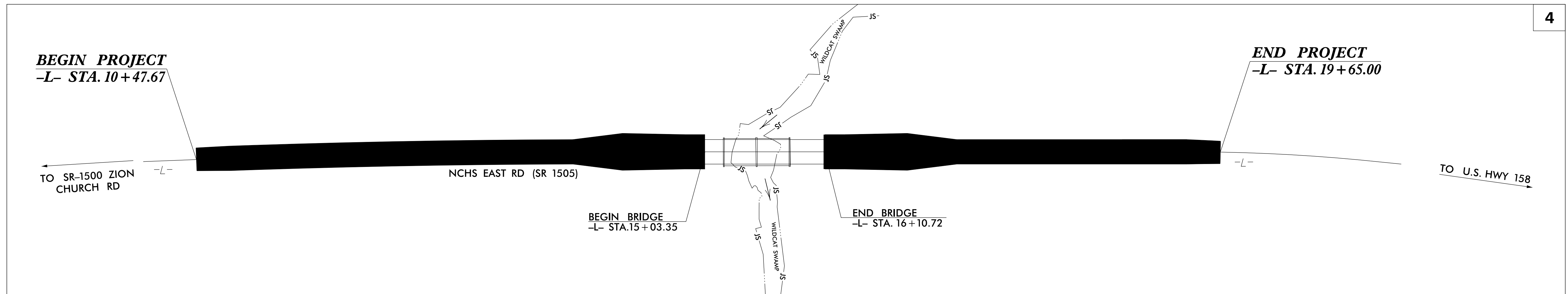
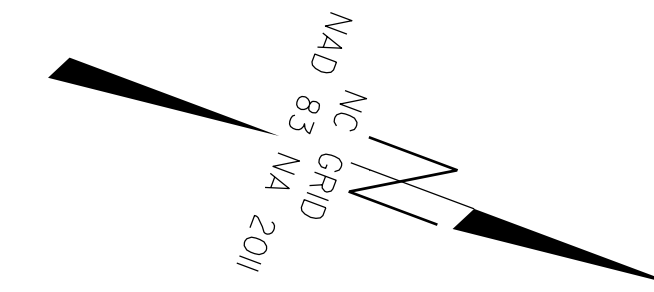


09/08/99

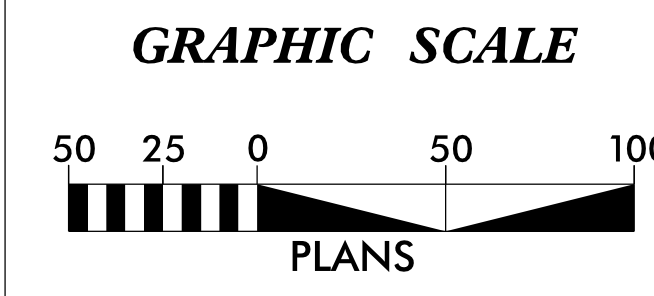
TIP PROJECT: 17BP.1.R.90

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	17BP.1.R.90	RW01	06

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 SURVEY CONTROL, EXISTING CENTERLINES,
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES
NORTHAMPTON COUNTY



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



DATUM DESCRIPTION
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "6500152" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 981,581.792(ft) EASTING: 2,493,282.326(ft) ELEVATION: 97.30(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.00008689809998 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "6500152" TO -L- STATION 10+47.67 IS N 6°18'39.47" E 33.24(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

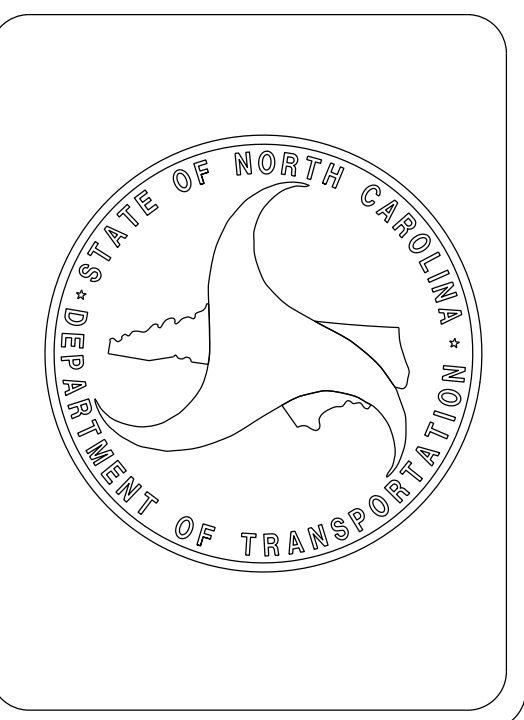
Prepared in the Office of:
 LOCATION & SURVEYS
 DIVISION 1 FIELD OFFICE
 1300 US HWY 64W
 PLYMOUTH, NC 27962

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: 0205/2020
LETTING DATE: 0519/2020

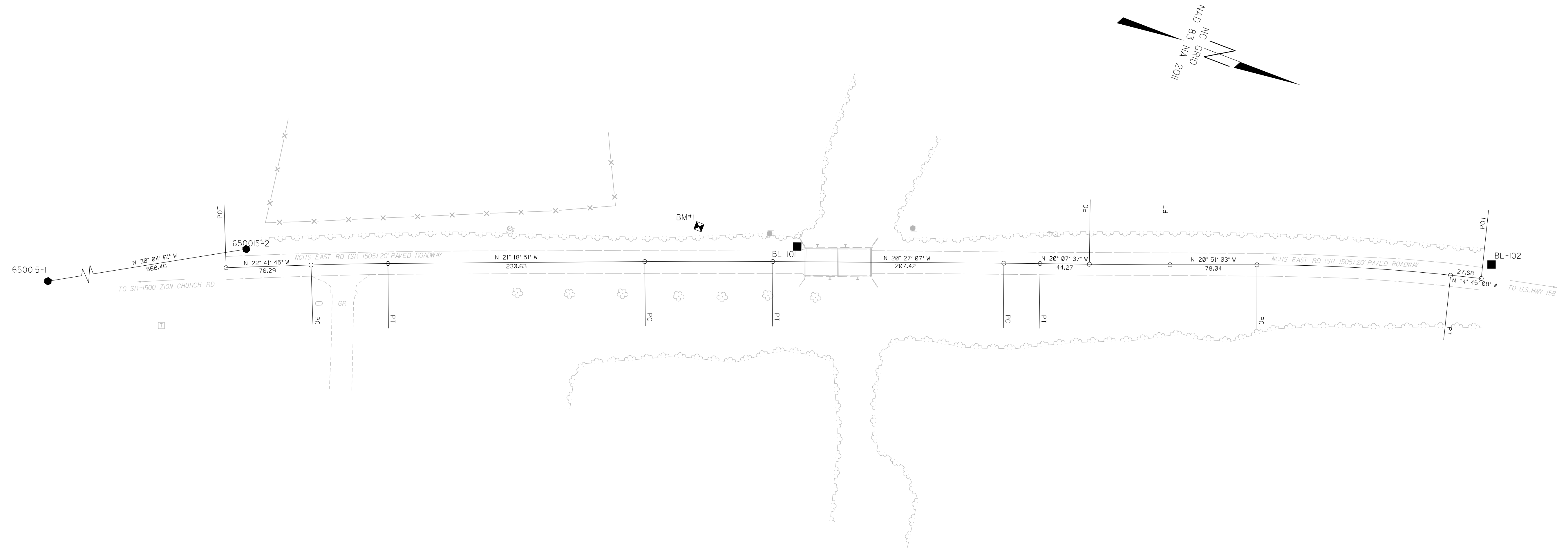
PROFESSIONAL LAND SURVEYOR

DocuSigned by:
 Linwood T. Downs III
 SIGNATURE: _____ Date: 3/27/2020



SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW02C-2
FOR FURTHER
ALIGNMENT DETAILS

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

CONTROL POINT DATA

BL	POINT	DESC.	NORTH	EAST	ELEVATION
	6500151	650015-1 GPS MO	980830.1880	2493717.4380	109.35
	6500152	650015-2 GPS MO	981581.7920	2493282.3260	97.30
	BL101	BL-101	982043.2127	2493103.8276	95.79
	BL102	BL-102	982631.4082	2492896.8335	96.02

BENCHMARK DATA

.....
 20000 ELEVATION = 93.18
 N 981954 E 2493119
 BM-1 BENCH TIE NAIL ON 14' OAK

EXISTING ALIGNMENT

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	981570.852	2493304.373							
LINE			N 22°41'45.4" W	76.29					
PC	981641.236	2493274.936							
CURVE			N 22°00'18.0" W	69.09	01°22'54.9"(RT)	02°00'00.0"	69.10	34.55	2864.79
PT	981705.296	2493249.048							
LINE			N 21°18'50.5" W	230.63					
PC	981920.148	2493165.220							
CURVE			N 20°52'58.9" W	114.93	00°51'43.2"(RT)	00°45'00.0"	114.93	57.47	7639.44
PT	982027.531	2493124.251							
LINE			N 20°27'07.3" W	207.42					
PC	982221.879	2493051.773							
CURVE			N 20°17'22.4" W	32.50	00°19'29.9"(RT)	01°00'00.0"	32.50	16.25	5729.58
PT	982252.359	2493040.504							
LINE			N 20°07'37.4" W	44.27					
PC	982293.926	2493025.270							
CURVE			N 20°29'20.2" W	72.38	00°43'25.6"(LT)	01°00'00.0"	72.38	36.19	5729.58
PT	982361.726	2492999.936							
LINE			N 20°51'03.1" W	78.04					
PC	982434.656	2492972.158							
CURVE			N 17°48'05.7" W	174.16	06°05'54.6"(RT)	03°30'00.0"	174.24	87.20	1637.02
PT	982600.478	2492918.913							
LINE			N 14°45'08.4" W	27.68					
POT	982627.251	2492911.864							

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.

REVISIONS

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. 17BP.1.R.90	SHEET NO. RW02D-1
Location and Surveys	

6/2/99

REVISIONS

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	981570.852	2493304.373							
LINE			N 22°41'45.4" W	47.68					
PC	981614.840	2493285.976							
CURVE			N 21°35'44.7" W	361.36	02°12'01.5"(RT)	00°36'32.0"	361.39	180.71	9410.00
PT	981950.837	2493152.974							
LINE			N 20°29'43.9" W	526.65					
PC	982444.154	2492968.574							
CURVE			N 17°37'26.2" W	164.02	05°44'35.5"(RT)	03°30'00.0"	164.09	82.11	1637.02
PT	982600.478	2492918.913							
LINE			N 14°45'08.4" W	27.68					
POT	982627.251	2492911.864							

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.

P5-MAR-2000 16:45 - 650015\Control\Control Sheets\650015.ls.rw02d-1.dgn
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 Ldowns AT LS-311565

PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO. 17BP.1.R.90	SHEET NO. RW03E-1
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Location and Surveys

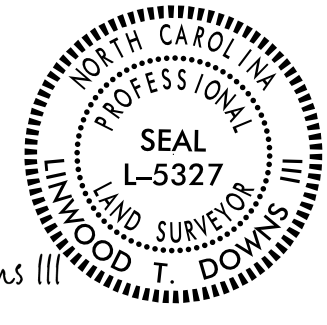
I, Linwood T. Downs III, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, Planimetrics, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in 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 25th day of March, 2020.

PROJECT SURVEYOR



DocuSigned by:
Linwood T. Downs III
8A59211D2432499

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:
Linwood T. Downs III
8A59211D2432499

Professional Land Surveyor L-5327 PLS #



ROW MARKER PERMANENT EASEMENT - E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	13+36.00	50.00	981900.3660	2493225.5201
L	13+36.00	31.01	981893.5806	2493207.7883
L	13+56.00	-29.14	981890.8264	2493144.4577
L	13+76.00	-48.00	981902.9202	2493119.7038
L	14+67.00	-48.00	981988.2974	2493087.7278
L	14+67.00	-30.03	981994.5884	2493104.5579
L	15+13.00	-30.04	982037.6756	2493088.4493
L	15+13.00	-48.00	982031.3855	2493071.6217
L	15+19.00	50.00	982071.3189	2493161.3174
L	15+19.00	30.06	982064.3366	2493142.6379
L	15+98.00	-48.00	982111.0050	2493041.8602
L	15+98.00	-29.97	982117.3177	2493058.7484
L	16+46.00	-29.93	982162.2920	2493041.9760
L	16+46.00	-48.00	982155.9666	2493025.0538
L	17+24.00	-48.00	982229.0291	2492997.7433
L	17+43.00	50.00	982281.1396	2493082.8873
L	17+75.00	30.51	982304.2887	2493053.4237
L	17+75.00	-29.49	982283.2802	2492997.2206

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

Location and Surveys

PROJECT SURVEYOR

DocuSigned by:
Linwood T. Downs III
6A5021102432489

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Linwood T. Downs III, 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, Planimetrics, 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 25th day of March, 2020.

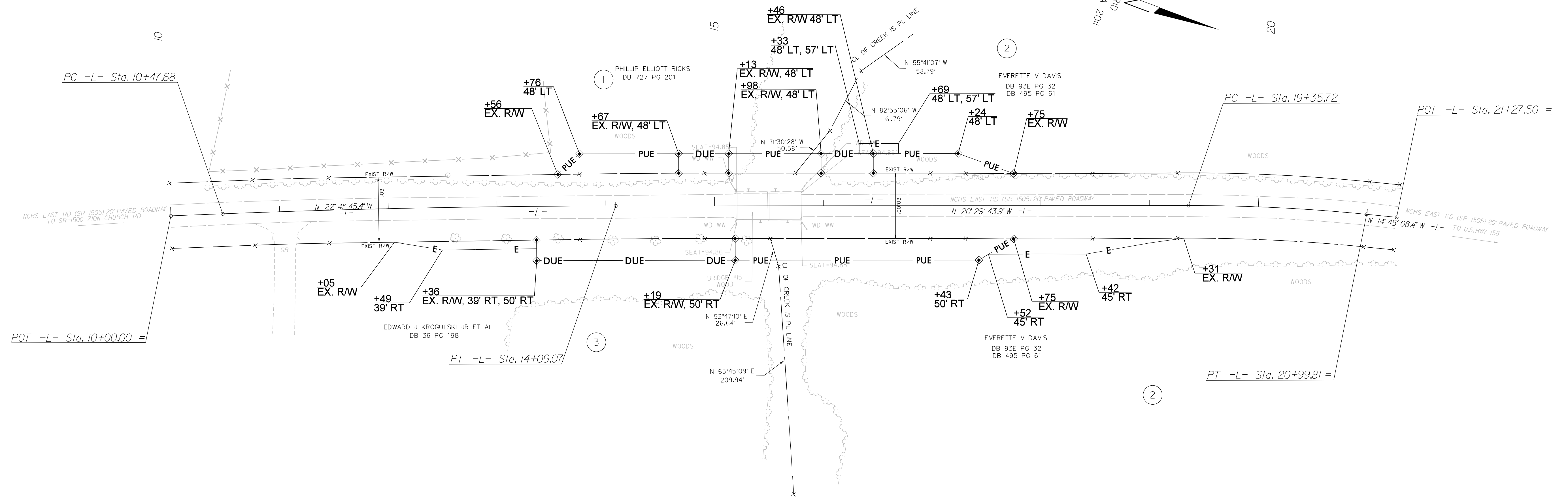
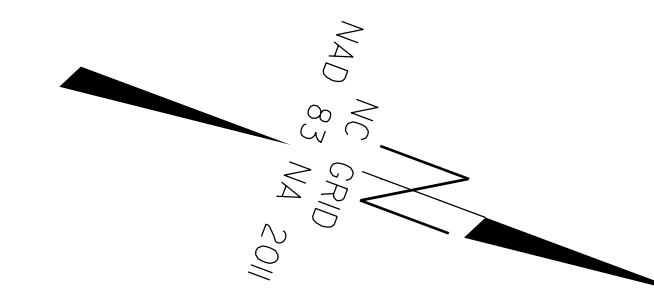
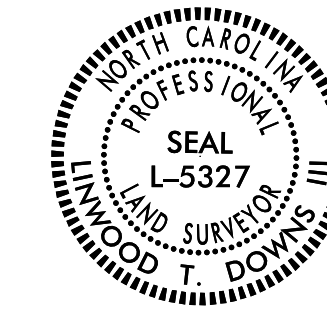
-L-

PI Sta 12+28.40	PI Sta 20+17.84
$\Delta = 2^{\circ}12'01.5" (RT)$	$\Delta = 5^{\circ}44'35.5" (RT)$
$D = 0^{\circ}36'32.0"$	$D = 3^{\circ}30'00.0"$
$L = 361.39'$	$L = 164.09'$
$T = 180.71'$	$T = 82.11'$
$R = 9,410.00'$	$R = 1,637.02'$
SE = NC	SE = MATCH EXIST.
RO = 55	RO = 132

DocuSigned by:
Linwood T. Downs III
6A5021102432489

Professional Land Surveyor

L-5327
PLS #



REVISIONS

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 L.S. 311565
 T. Downs

NOTES:

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