

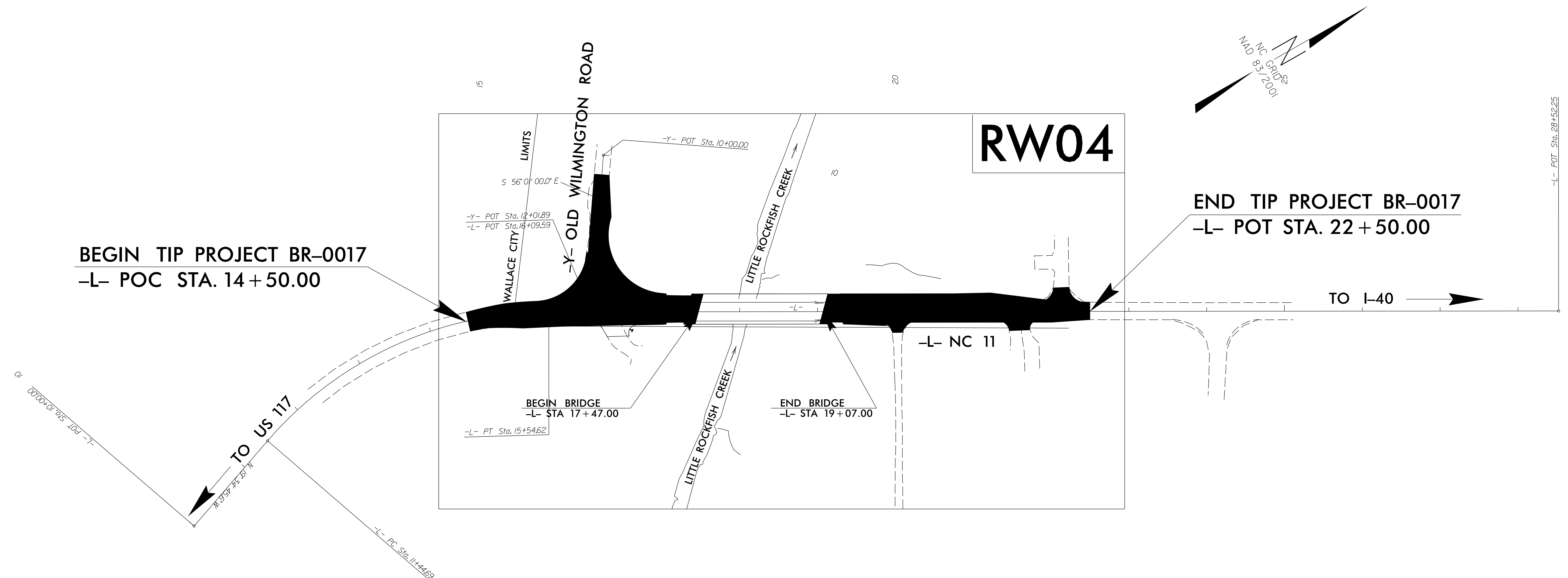
09/06/19

TIP PROJECT: BR-0017

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0017	RW01	05

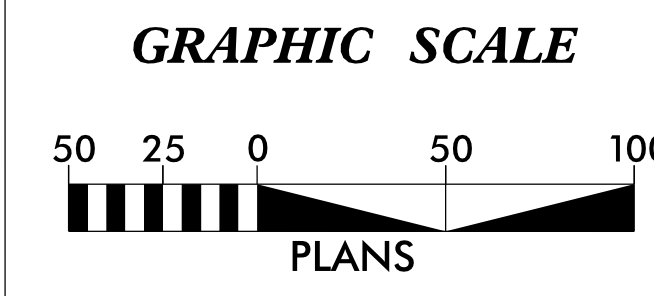
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 SURVEY CONTROL, EXISTING CENTERLINES,
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES
DUPLIN COUNTY

LOCATION: BRIDGE NO. 12 ON NC 11 OVER LITTLE ROCKFISH CREEK



-L-
 PI Sta 13+63.25
 $\Delta = 49^\circ 11' 30.9''$ (RT)
 $D = 12^\circ 00' 00.0''$
 $L = 409.93'$
 $T = 218.56'$
 $R = 477.46'$
 $SE = 06'$
 $RUNOFF = 144'$
 $V = 35$ MPH

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



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "BR0017-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 353763.954(ft) EASTING: 2306237.640(ft) ELEVATION: 31.562(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9999198955 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR0017-2" TO -L- STATION 14+50.00 IS N 15-15'37" W 1465.56(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

DIVISION 2 LOCATION & SURVEYS

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
AUGUST 31, 2020

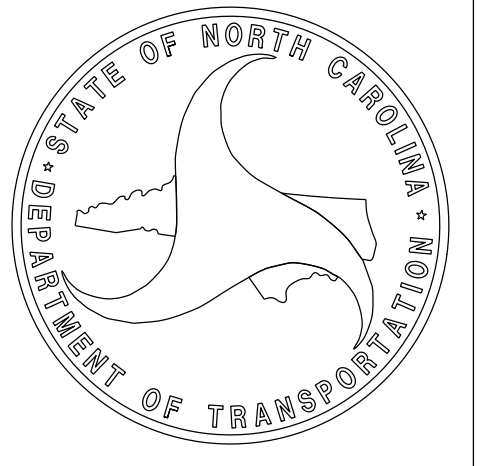
LETTING DATE:
MAY 18, 2021

PROFESSIONAL LAND SURVEYOR



DocuSigned by:
 Christopher J. Sumner
 SIGNATURE:

Date:
 2/3/2021

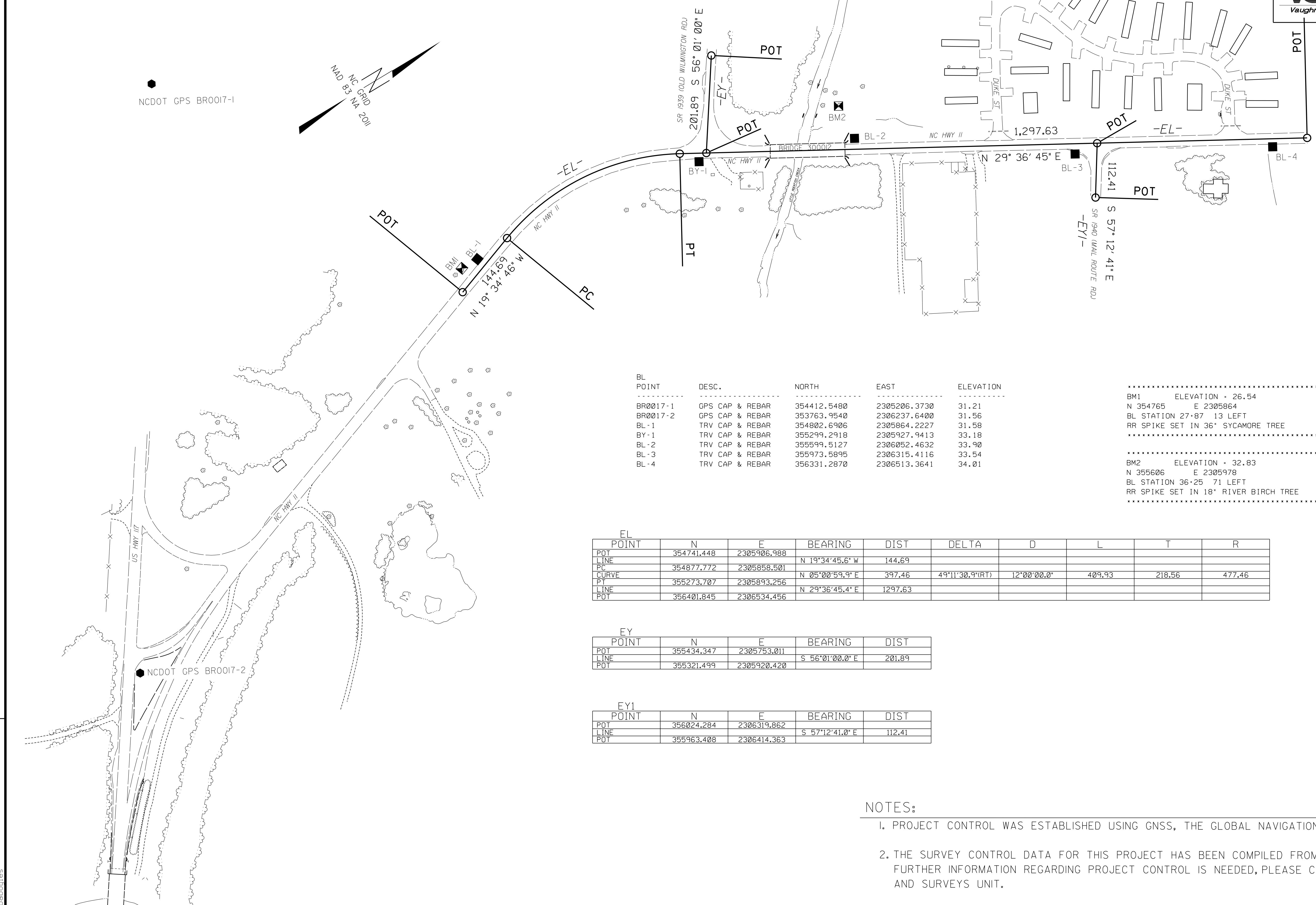


6/2/09

SURVEY CONTROL SHEET BR-0017

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. BR-0017	SHEET NO. RW2C-01
Location and Surveys	
■ New Bern, North Carolina 28562 Phone: (252) 631-9115 □ Middleboro, Kentucky 40965 Phone: (606) 248-6600 □ Asheville, North Carolina 28806 Phone: (828) 253-2795 □ Charlotte, North Carolina 28217 Phone: (704) 357-0468	
Vaughn & Melton Consulting Engineers	



BL POINT	DESC.	NORTH	EAST	ELEVATION
BR0017-1	GPS CAP & REBAR	354412.5480	2305206.3730	31.21
BR0017-2	GPS CAP & REBAR	353763.9540	2306237.6400	31.56
BL-1	TRV CAP & REBAR	354802.6906	2305864.2227	31.58
BY-1	TRV CAP & REBAR	355299.2918	2305927.9413	33.18
BL-2	TRV CAP & REBAR	355599.5127	2306052.4632	33.90
BL-3	TRV CAP & REBAR	355973.5895	2306315.4116	33.54
BL-4	TRV CAP & REBAR	356331.2870	2306513.3641	34.01

.....
 BM1 ELEVATION = 26.54
 N 354765 E 2305864
 BL STATION 27.87 13 LEFT
 RR SPIKE SET IN 36" SYCAMORE TREE

 BM2 ELEVATION = 32.83
 N 355606 E 2305978
 BL STATION 36.25 71 LEFT
 RR SPIKE SET IN 18" RIVER BIRCH TREE

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	354741.448	2305906.988							
LINE			N 19°34'45.6" W	144.69					
PC	354877.772	2305858.501							
CURVE			N 05°00'59.9" E	397.46	49°11'30.9"(RT)	12°00'00.0"	409.93	218.56	477.46
PT	355273.707	2305893.256							
LINE			N 29°36'45.4" E	1297.63					
POT	356401.845	2306534.456							

EY POINT	N	E	BEARING	DIST
POT	355434.347	2305753.011		
LINE			S 56°01'00.0" E	201.89
POT	355321.499	2305920.420		

EY1 POINT	N	E	BEARING	DIST
POT	356024.284	2306319.862		
LINE			S 57°12'41.0" E	112.41
POT	355963.408	2306414.363		

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

3/2/2019 12:01:27 PM
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 User:bboules

PROPOSED ALIGNMENT CONTROL SHEET

BR-0017

PROJECT REFERENCE NO. BR-0017	SHEET NO. 1D-1
Location and Surveys	
NEW BERN LOCATION & SURVEYS	

REVISIONS

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	354741.448	2305906.988							
LINE			N 19°34'45.6" W	144.69					
PC	354877.772	2305858.501							
CURVE			N 05°00'59.9" E	397.46	49°11'30.9"(RT)	12°00'00.0"	409.93	218.56	477.46
PT	355273.707	2305893.256							
LINE			N 29°36'45.4" E	1297.63					
POT	356401.845	2306534.456							

POINT	N	E	BEARING	DIST
POT	355434.347	2305753.011		
LINE			S 56°01'00.0" E	201.89
POT	355321.499	2305920.420		

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 INFORMATINO REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

RIGHT OF WAY CONTROL SHEET

BR-0017

I, CHRISTOPHER J. SAWYER, 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, 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).

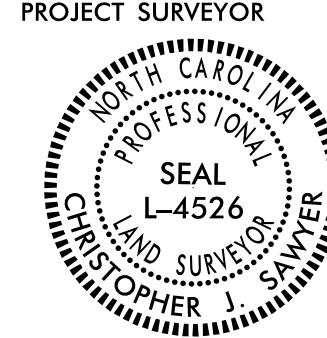
Witness my original signature, registration number and seal this 18th day of January, 2021.

DocuSigned by:

 9790262E101467
 Professional Land Surveyor

L-4526
 PLS #

Seal

PROJECT REFERENCE NO. BR-0017	SHEET NO. 1E-1
Location and Surveys	
NEW BERN LOCATION & SURVEYS	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	14+90.00	40.00	355200.6465	2305902.3422
L	14+90.00	30.00	355204.3696	2305893.0611
L	15+54.62	40.00	355253.9413	2305928.0317
L	16+65.11	-75.00	355406.8218	2305882.6471
L	17+31.00	40.00	355407.2818	2306015.1858
L	17+31.00	64.00	355395.4226	2306036.0511
L	18+61.00	-59.00	355569.2212	2305993.3539
L	18+61.00	-75.00	355577.1273	2305979.4437
L	19+24.00	64.00	355563.2141	2306131.4188
L	20+11.00	-40.00	355690.2406	2306083.9922
L	20+11.00	-59.00	355699.6291	2306067.4738
L	20+14.00	30.00	355658.2594	2306146.3316
L	22+50.00	-40.00	355898.0239	2306202.0900
L	22+50.00	-30.00	355893.0826	2306210.7838

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	14+61.78	30.00	355179.5476	2305883.9460
L	14+84.63	67.88	355185.9802	2305926.5271
L	14+85.47	-59.51	355232.9574	2305808.1117
L	14+86.41	-30.00	355223.1614	2305835.9673
L	14+92.58	40.00	355202.8357	2305903.2273
L	14+94.60	-76.57	355248.9941	2305796.1640
L	15+04.37	57.58	355205.7559	2305923.5396
L	15+08.56	-67.37	355260.1183	2305810.9503
L	15+70.43	-77.65	355325.8166	2305833.5598
L	16+47.78	-106.00	355407.0768	2305847.1380
L	16+50.53	-106.10	355409.5170	2305848.4011
L	16+51.16	-90.06	355402.1340	2305862.6639
L	17+50.68	-80.39	355483.8788	2305920.2437
L	17+57.00	64.00	355418.0244	2306048.8972
L	17+57.00	88.50	355405.9181	2306070.1972
L	17+74.14	-75.00	355501.6132	2305936.5237
L	17+81.81	-84.98	355513.2141	2305931.6407
L	19+38.00	58.71	355577.9990	2306133.7385
L	19+38.00	88.50	355563.2793	2306159.6366
L	20+11.00	-50.00	355695.1819	2306075.2983
L	22+00.00	-40.00	355854.5546	2306177.3833
L	22+00.00	-50.00	355859.4959	2306168.6895

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 _____ .

