# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

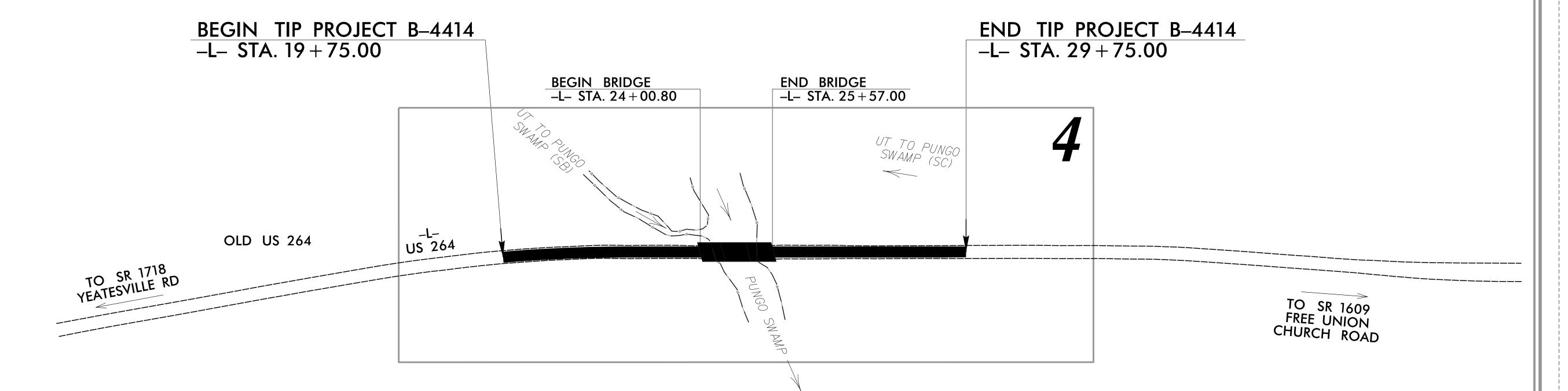
|RW01|N.C. B-4414

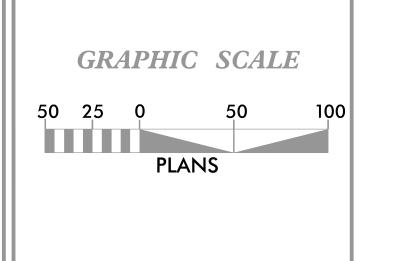
SURVEY CONTROL, EXISTING CENTERLINES, RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

# BEAUFORT COUNTY

LOCATION: REPLACE BRIDGE NO. 43 OVER PUNGO CREEK ON US 264







# **DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B4414-1" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 655593.749(ft) EASTING: 2673329.387(ft) ELEVATION: 6.575(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999889850 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B4414-1" TO -L- STATION 19+75.00 IS

N 60-40'23.1" E 693.40(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HÓRIZONTAL DISTANCES

VERTICAL DATUM USED IS NAVD 88

2018 STANDARD SPECIFICATIONS

Prepared in the Office of:

DIVISION 2

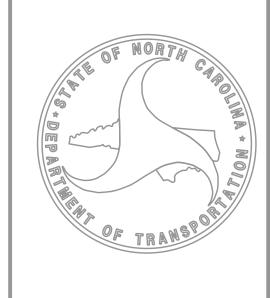
LOCATION & SURVEYS UNIT

RIGHT OF WAY DATE: JULY 30, 2019

LETTING DATE: APRIL 21, 2020

**SURVEYOR** 

Date:



SIGNATURE:

PROFESSIONAL LAND

SURVEY CONTROL SHEET

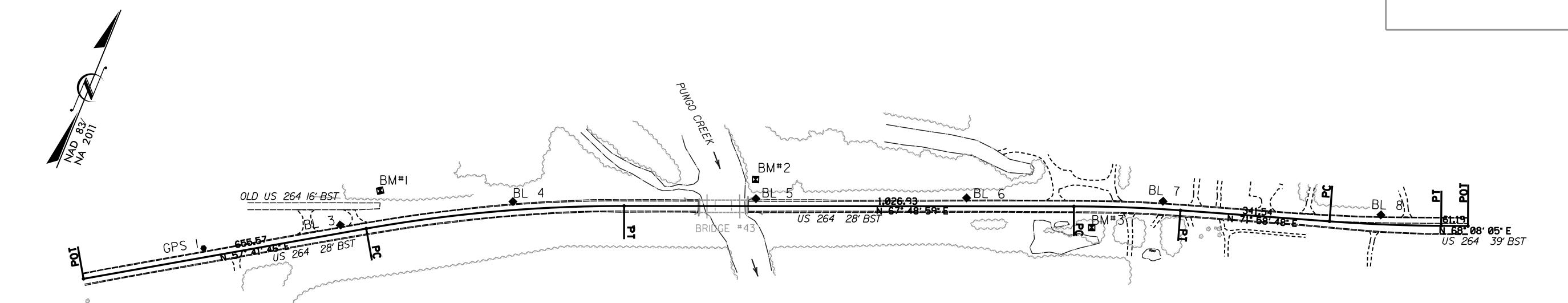
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. SHEET NO.

B-4414 RW02C-1

Location and Surveys

DIVISION 2 LOCATION & SURVEYS



#### EXISTING ALIGNMENTS

EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	655425.439	2673102.100							
LINE			N 57°41′45.7° E	655 <b>.</b> 57					
PC	655775.785	2673656.208							
CURVE			N 62*45′22.1° E	<u>590.95</u>	10°07′12.8"(RT)	01*42'37.2"	591.72	296.63	3350.00
PT	656046.308	2674181.599		1222					
LINE	656434.054	007E100 E10	N 67*48′58.5* E	1026.93					
PC	656434.054	2675132.513	N. CO*E3/E3 1: E	242.20	0.4*00/40 1*/DT\	01*43/37 3#	242.44	121.77	2250.00
CURVE PT	656517,705	2675361.074	N 69*53′53.1° E	243.39	04°09′49.1°(RT)	01*42′37.2*	243.44	121.77	3350.00
LINE	636317.703	26/3361.0/4	N 71°58'47.6" E	341.54					
PC	656623.359	2675685.857	1, 1, 30 11, 6	0 - 110 -					
CURVE			N 70°03′26.2° E	254.98	03°50′42.8″(LT)	01°30′28.0"	255.02	127.56	3800.00
PT	656710.326	2675925.544		•					
LINE			N 68°08'04.8° E	61.19					
POT	656733.115	2675982.332							

### **BASELINE**

POINT	DESC.	NORTH	EAST	ELEVATION
?	B4414-GPS2	654984.0960	2672354,0710	11.13
	B4414-GPS1	655593.7490	2673329.3870	6.58
3	B4414-BL3	655760.8673	2673598.2064	5.58
l .	B4414-BL4	655959.4139	2673942.8750	5.33
<b>j</b>	B4414-BL5	656175.6526	2674453.8340	6.68
•	B4414-BL6	656359.1778	2674898,4281	4.48
•	B4414-BL7	656521.8491	2675316.5104	6.32
}	B4414-BL8	656681.3023	2675788.7013	6.63

#### **BENCHMARKS**

	• • • • • • • • • • • • • • • • • • • •
BM1	ELEVATION . 6.45
N 655868	E 2673653
BM-1 RR S	PIKE IN BASE OF 18" POPLAR
	• • • • • • • • • • • • • • • • • • • •

BM2 ELEVATION - 3.37 N 656216 E 2674437 BM-2 RR SPIKE IN BASE OF 16 PINE

•••••

BM3 ELEVATION - 5.78 N 656405 E 2675188 BM-3 RR SPIKE IN BASE OF 16° SWEET GUM

•••••

## NOTES:

- I. 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-4414

PROJECT REFERENCE NO. SHEET NO.

B-4414 RW02D-1

Location and Surveys

DIVISION 2 LOCATION & SURV

L									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	655425.439	2673102.100							
_INE PC			N 57°41′45.7° E	655 <b>.</b> 57					
C	655775.785	2673656.208							
CURVE			N 62*45'22.1" E	59 <b>0.</b> 95	10°07′12.8°(RT)	01°42′37.2"	591.72	296.63	3350.00
PT	656046.308	2674181.599							
.INE C			N 67°48′58.5° E	1026 <b>.</b> 93					
·C	656434.054	2675132.513							
URVE T			N 69°53′53.1° E	243.39	04°09′49.1°(RT)	01*42′37.2"	243.44	121.77	3350.00
	656517.705	2675361.074							
.INE			N 71°58′47.6° E	341 <b>.</b> 54					
·C	656623.359	2675685.857							
CURVE			N 70°03′26.2° E	254 <b>.</b> 98	03°50′42.8°(LT)	01°30′28.0°	255 <b>.</b> 02	127.56	3800.00
PT	656710.326	2675925.544		·					
INE POT			N 68°08′04.8" E	61.19			·	•	
POT	656733.115	2675982.332					<u> </u>		

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RIGHT OF WAY CONTROL SHEET B-4414

I, ROBERT J. REIGNER, 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) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

Ifurther 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 sealthis 6th day of August, 2019.

L-4007

Pocusigned by:
R.J. Reigner

ProfessionalLand Surveyor

PROJECT REFERENCE NO. SHEET NO.

B-4414 RW02E-1

DIVISION 2 LOCATION & SURVEY

Location and Surveys

PROJECT SURVEYOR

CARO

SEAL

L-4305

SURVE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ROW MARKER IRON PIN AND CAP-E

AL I GN	STATION	OFFSET	NORTH	EAST
L	22 • 47 . 29	-60.00	656101.8667	2674158.9441
L	22 • 47 • 29	-50.00	656092.6069	2674162.7198
L	22 • 47 • 29	50.00	656000.0092	2674200.4776
L	22 • 47 • 29	60.00	655990.7494	2674204.2534
L	27.50.00	50.00	656189.8213	2674665.9757
L	27.50.00	60.00	656180.5615	2674669.7515
L	27.50.00	-60.00	656291.6789	2674624.4421
	27.50.00	-50.00	656282,4191	2674628, 2179

ROW MARKER PERMANENT EASEMENT-E

AL I GN	STATION	OFFSET	NORTH	EAST	
L	21.79.00	-50.00	656065.7849	2674098.8119	
L	21.79.00	-55.00	656070.3753	2674096.8301	
L	21.99.00	-55.00	656078.3772	2674115.5173	
L	21.99.00	-50.00	656073.7750	2674117.4717	
L	23.15.00	-60.00	656127.4324	2674221.6418	NOT SE
L	23.15.00	- 70.00	656136.6922	2674217.8660	NOT SE
L	23.85.00	-81.00	656173.3084	2674278.5311	PK NA
L	24.32.00	-74.00	656184.5727	2674324.6951	$\square$ not se
L	24.32.00	-60.00	656171.6091	2674329.9812	$\square$ not se
-		·	·	·	

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