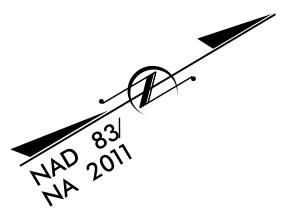
8

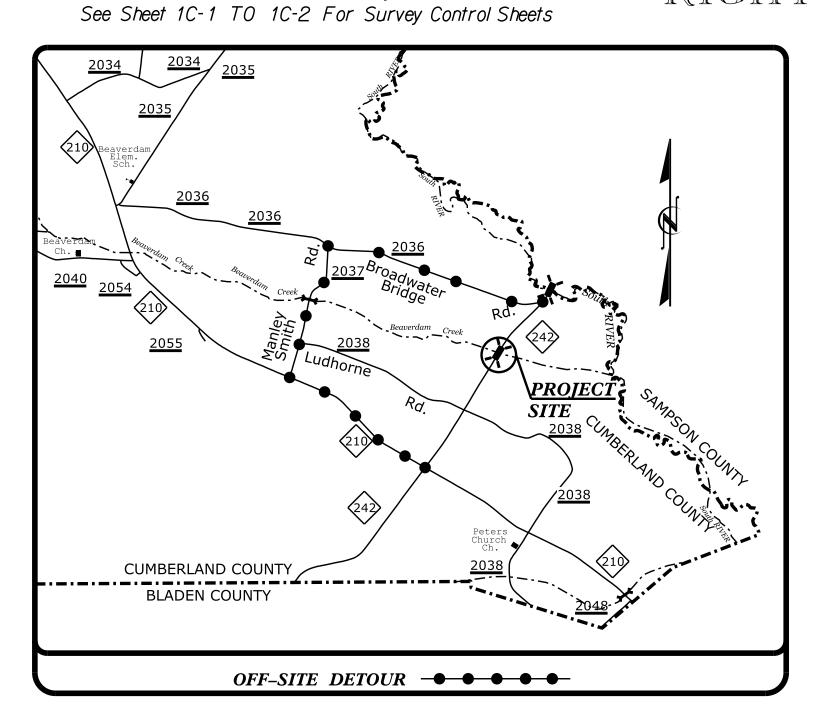
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

RW01 BR-0014

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

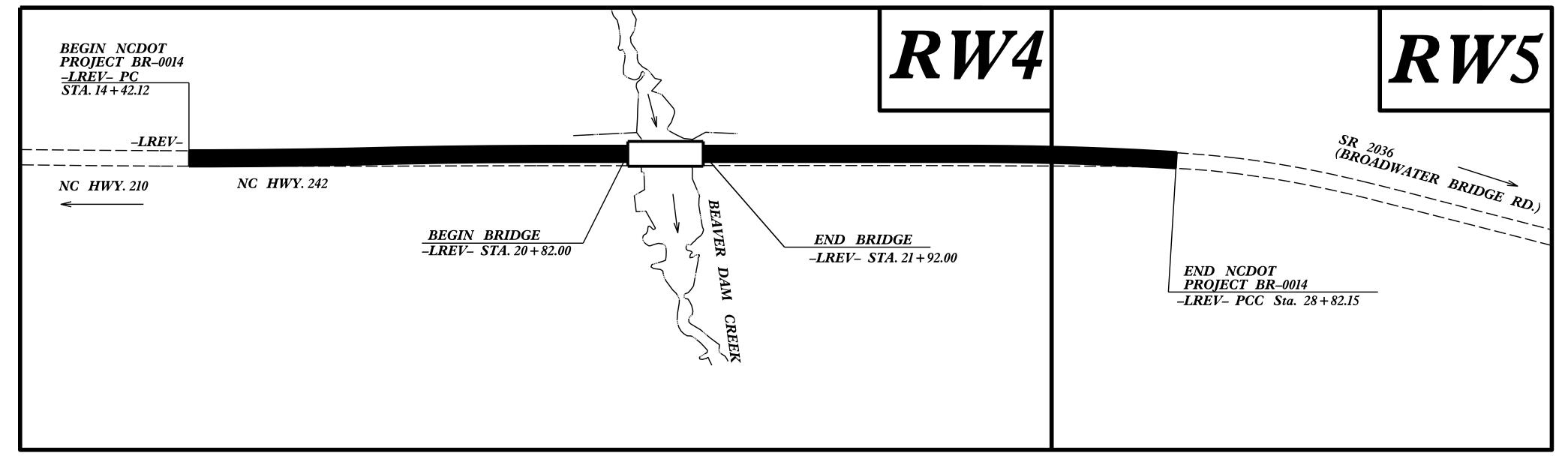
CUMBERLAND COUNTY





See Sheet 1-A For Index of Sheets

See Sheet 1-B For Conventional Symbols



GRAPHIC SCALE **PLANS**

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BR-0014 GPS-101" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 407010.5241(ft) EASTING: 2139063.5597(ft) **ELEVATION: 109.19(ft)**

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999894932 (1/X=1.000105079) THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR-0014 GPS101" TO -L- STATION 10+00 IS

S 59-43'3.51" E 17.16(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

LOCATION & SURVEY

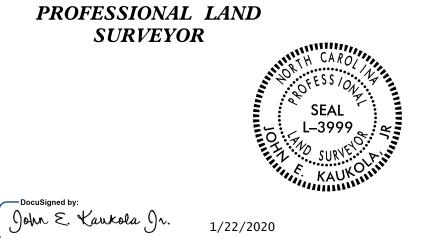
DIVISION 6

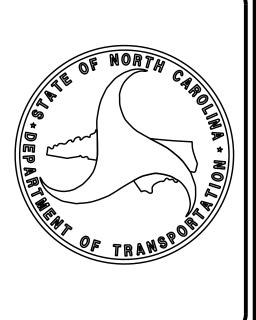
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: APRIL 10, 2019

LETTING DATE: **APRIL 21, 2020**

SIGNATURE:





RW02C-1 SURVEY CONTROL SHEET Location and Surveys NCDOT L&S DIVISON 6 W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION N 30°41′267°E N 31 21 222 E TO BEAVERDAM 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.

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BR-0014 SHEET NO.

RW02C-2

Location and Surveys

NCDOT L&S DIVISION 6

CONTROL

BL							
POINT		DESC.		NORTH	EAST	ELEVATION	
1		BRØØ14	BL - 1	409344.9050	2140473.0710	90.92	
2		BRØØ14	BL - 2	409901.1450	2140807.0280	80.29	
3		BRØØ14	BL - 3	410371.8500	2141084.9520	79.12	
4		BRØØ14	BL - 4	410967.5924	2141401.4309	91.82	

BM1 ELEVATION = 77.50 N 410021 E 2140822 NO DESCRIPTION

EXISTING CENTERLINE ALIGNMENTS

<u> </u>									
POINT	N	E	BEARING	DIST	DELTA	D	L	Τ	R
POT	409353.558	2140458.252							
LINE			N 31°21′22.2° E	258.03					
PC	409573.900	2140592.518							
CURVE			N 31°01′24.4° E	87.10	00°39′55 . 5"(LT)	00°45′50 . 2"	87.10	43.55	7500.00
PT	409648.544	2140637.410							
LINE			N 30°41′26.7° E	1448.60					
PC	410894.243	2141376.780							
CURVE			N 37°50′15.4° E	360.80	14°17′37 . 5"(RT)	03°57′05 . 2"	361.74	181.81	1450.00
PT	411179.184	2141598.103							
LINE			N 44°59′04.1° E	372 . 73					
POT	411442.813	2141861 . 589							

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

PROJECT REFERENCE NO. SHEET NO.

BR-0014 RW02D-1

Location and Surveys

NCDOT L&S DIVISION 6

LREV									
POINT	N	Е	BEARING	DIST	DELTA	D	L	T	R
OT	409353.558	2140458.252							
INE			N 31°21′22.2° E	258 . 03					
3	409573.900	2140592.518							
URVE			N 31°01′24.4° E	87.10	00°39′55 . 5"(LT)	00°45′50 . 2"	87.10	43 . 55	7500.00
	409648.544	2140637.410							
INE			N 30°41′26.7° E	96.99					
<u> </u>	409731.948	2140686.914							
JRVE			N 29°59′37 . 2° E	270 . 08	01°23′38.9"(LT)	00*30′58.2"	270.09	135.05	11100.00
CC	409965.860	2140821.928							
JRVE			N 29°59′37 . 2° E	27 0. 08	01°23′38.9"(RT)	00*30′58.2"	270.09	135.05	11100.00
	410199.772	2140956.943							
NE			N 30°41′26.7° E	595 . 58					
;	410711.934	2141260.931							
JRVE			N 32°26′02.9° E	304.23	03°29′12.4"(RT)	01°08′45.3"	304.28	152.19	5000.00
CC	410968.707	2141424.098							
JRVE			N 39*34′51.6* E	273 . 09	10°48′25.1°(RT)	03°57′05 . 2"	273.49	137.15	1450.00
	411179.184	2141598.103							
INE			N 44°59′04.1° E	372 . 73					
)T	411442 813	2141861 589					· · · · · · · · · · · · · · · · · · ·	1	

NOTES:

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PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO. SHEET NO.

BR-0014 RW03E-1

Location and Surveys

Location and Surveys

NCDOT L&S DIVISION 6



DocuSigned by:

John E. Kaukola J

F360958AF7B8462...

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ROW MARKER PERMANENT FASEMENT - F

RUW MARKER PERMANENI EASEMENI-E									
AL I GN	STATION	OFFSET	NORTH	EAST	REMARKS				
L	20.47.00	-43.43	410277.5802	2140952.6230	NOT SET	HIGH WATER			
L	20.47.00	-55.00	410283.4863	2140942.6723	NOT SET				
L	20.67.00	-55.00	410300.6850	2140952.8803	NOT SET				
L	20.67.00	-43.43	410294.7789	2140962.8311	NOT SET	1			

I, John E Kaukola, JR, 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 seal this 12th day of August, 2019.

John E. Kankola Jr.
Professional Africant Surveyor

L-3999 PLS #

Seal

NOTES:

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