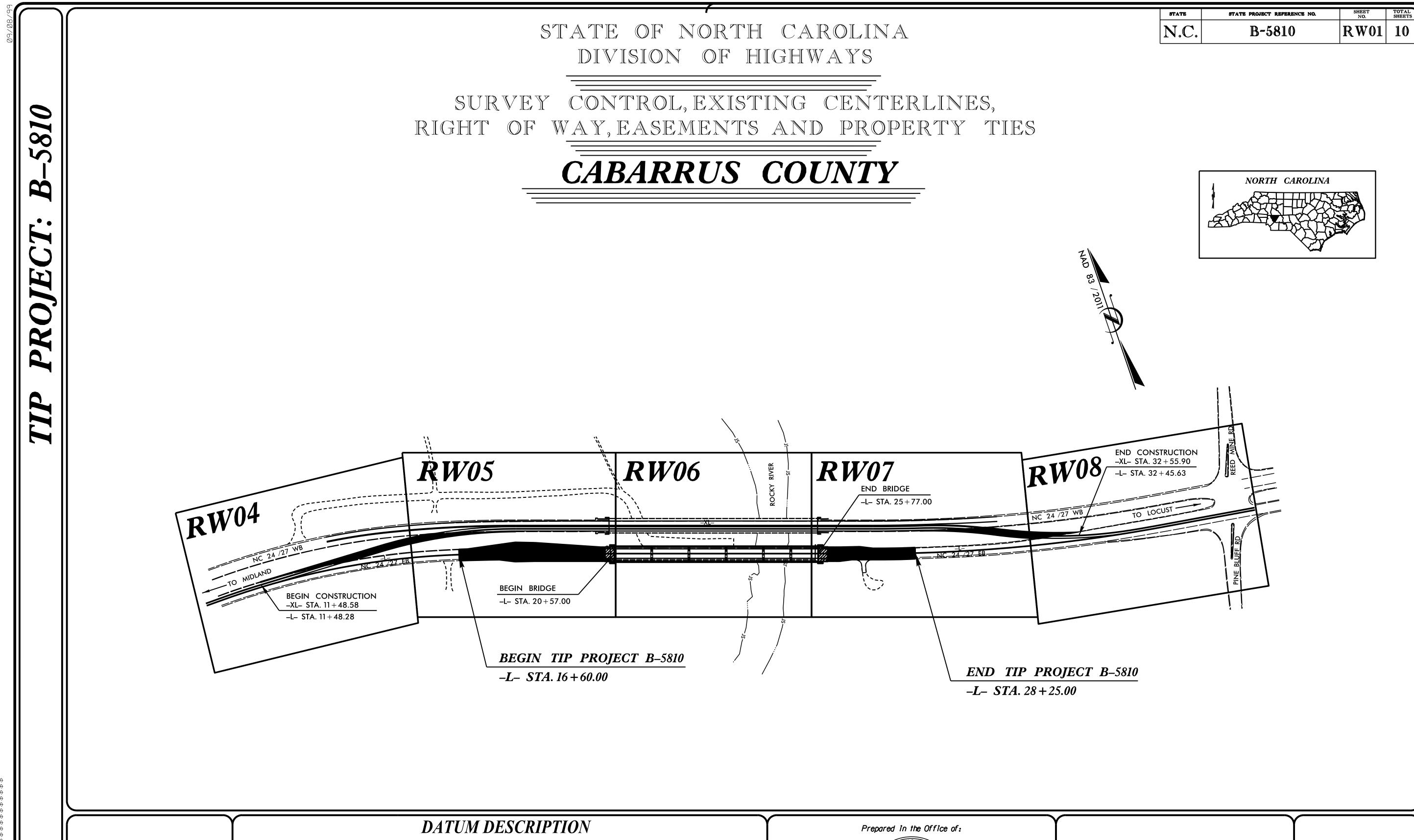
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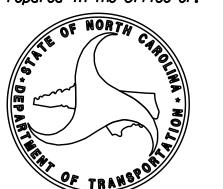
GRAPHIC SCALE

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "P5"

WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 551,346.538(ft) EASTING: 1,559,966.771(ft) **ELEVATION: 485.761(ft)**

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99985416 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "P5" TO -L- STATION 16+60.00 IS

S 60-47'18.5" W 399.617(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88 (GEOID G12B)



2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: JULY 15, 2019

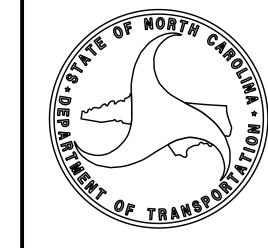
LETTING DATE: AUGUST 18, 2020 **SURVEYOR**

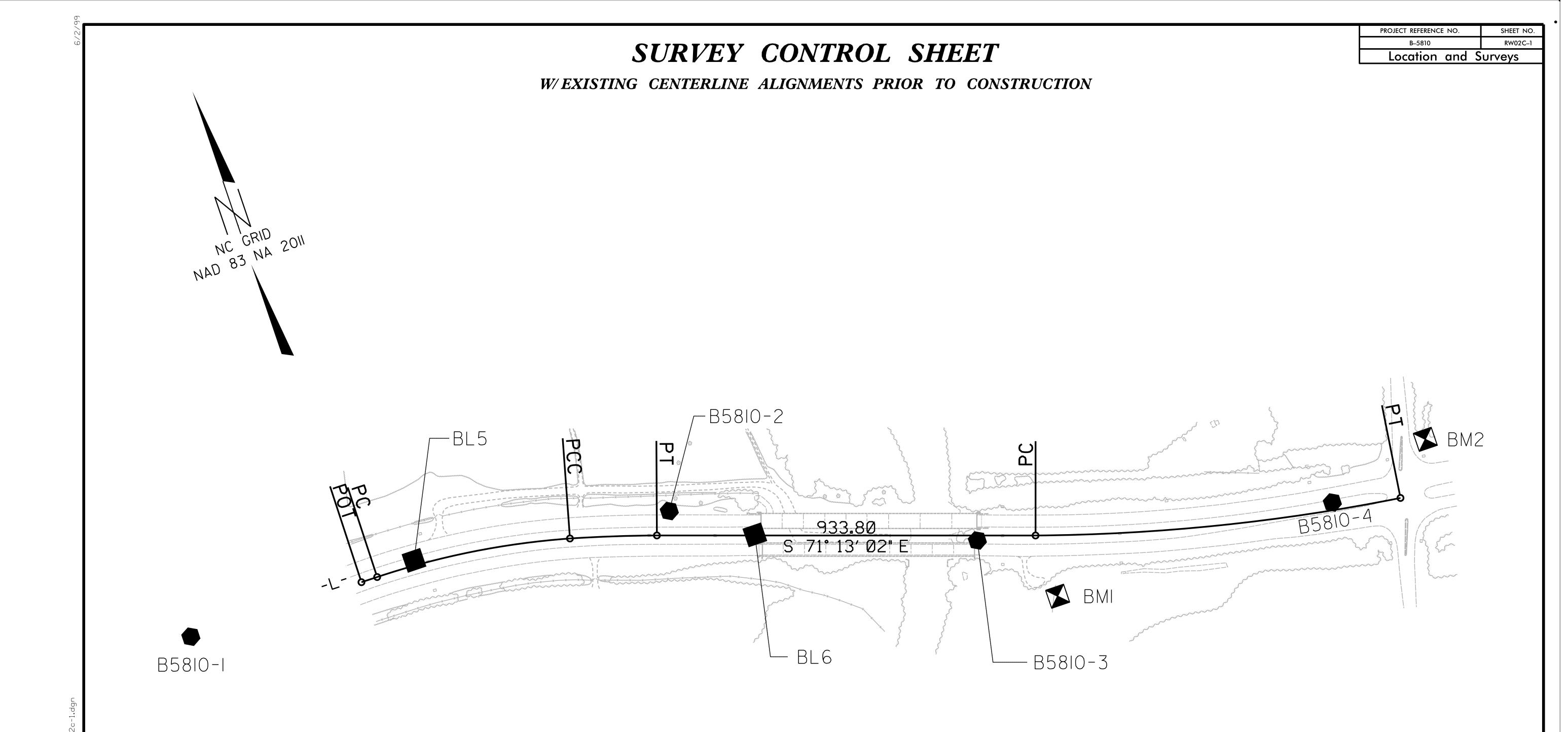
7/31/2019

Date:

PROFESSIONAL LAND

Dennis W. Staples, PE, PLS





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.

CIIRVEV	CONTROL	CHEET
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PROJECT REFERENCE NO. SHEET NO.

B-5810 RW02C-2

Location and Surveys

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL					
	POINT	DESC.	NORTH	EAST	ELEVATION
1		5810-1	551280.5710	1558581.1030	520.60
5		BL5	551281.2700	1559162.5710	510.03
2		5810-2	551193.9900	1559797.9140	504.04
6		BL6	551070.2340	1559978.6410	504.22
3		5810-3	550880.7520	1560493.8880	505.48
4		5810-4	550687.6370	1561352.8660	528.22

EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	551272.268	1559022.670							
LINE			S 89°22′51.2" E	40.75					
PC	551271.828	1559063.418							
CURVE			S 82°31′33.4" E	484.81	14°18′53 . Ø"(RT)	Ø2°56′41 . 9"	486.07	244.31	1945.55
PCC	551208.765	1559544.110							
CURVE			S 73°12′51.7" E	214.60	Ø3°21′Ø4 . 1"(RT)	Ø1°33′4 Ø. 8"	214.63	107.35	3669.64
PT	551146.790	1559749.568							
LINE			S 71°13′02.1" E	933.80					
PC	550846.124	1560633.639							
CURVE			S 77°Ø5′33.4" E	904.68	10°53′15.0"(LT)	Ø1°12′Ø6.Ø"	906.04	454.39	4768.06
PT	550644.041	1561515.458							

NOTES:

.5/55810 ls rw02c-2,dan

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.

B-5810

RW02D-1

Location and Surveys

TYPE	STATION	NORTH	EAST
POT	10+00.00	551235.7391	1558966.3719
PC	10+50.00	551236.5022	1559016.3661
PCC	16+40.26	551157.1774	1559599.0192
PT	18+05.26	551107.3200	1559756.2935
PC	27+16.80	550813.5899	1560619.2181
PT	34+58.45	550639.8816	1561339.1733
POT	37+65.45	550595.3962	1561642.9325

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TYPE	STATION	NORTH	EAST
POT	10+00.00	551241.7384	1558966.2803
PC	10+50.00	551242.5015	1559016.2745
PT	11+48.58	551241.5348	1559114.8370
PC	14+65.77	551230.4740	1559431.8402
PT	18+17.62	551167.1963	1559776.6748
PC	27+29.17	550873.4662	1560639.5993
PRC	28+48.63	550836.6671	1560753.2483
PRC	30 + 42.11	550765.1951	1560932.8106
PCC	33+98.07	550656.6295	1561270.4436
PT	34+68.50	550645.8183	1561340.0427
POT	37+10.06	550610.8164	1561579.0458

NOTES:

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^{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.

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RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. B-5810

Location and Surveys

ROW MARKER PERMANENT FASEMENT

TOW MAINKEN I CINMAINEN CASEMENT					
ALIGN	STATION	OFFSET	NORTH	EAST	
L	19+93.00	70.90	550979.7028	1559911.1763	
L	20+10.00	87.00	550958.9853	1559922.0822	
L	20+35.00	92.00	550946.1962	1559944.1376	
L	20+58.00	73.01	550956.7621	1559972.0300	
L	24+90.86	105.00	550786.9955	1560371.4963	
L	24+93.37	72.00	550817.4267	1560384.5077	
L	25+50.00	71.87	550799.3046	1560438.1549	

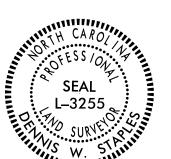
I, Dennis W. Staples, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s)(R/W Staking) performed under my responsible charge meets NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines 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. Ialso certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey controlprovided 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 31st day of July, 2019.

Dennis W. Staples, PE, PLS Professional Land Surveyor

L-3255 PLS #



NOTES:

- I. 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.

