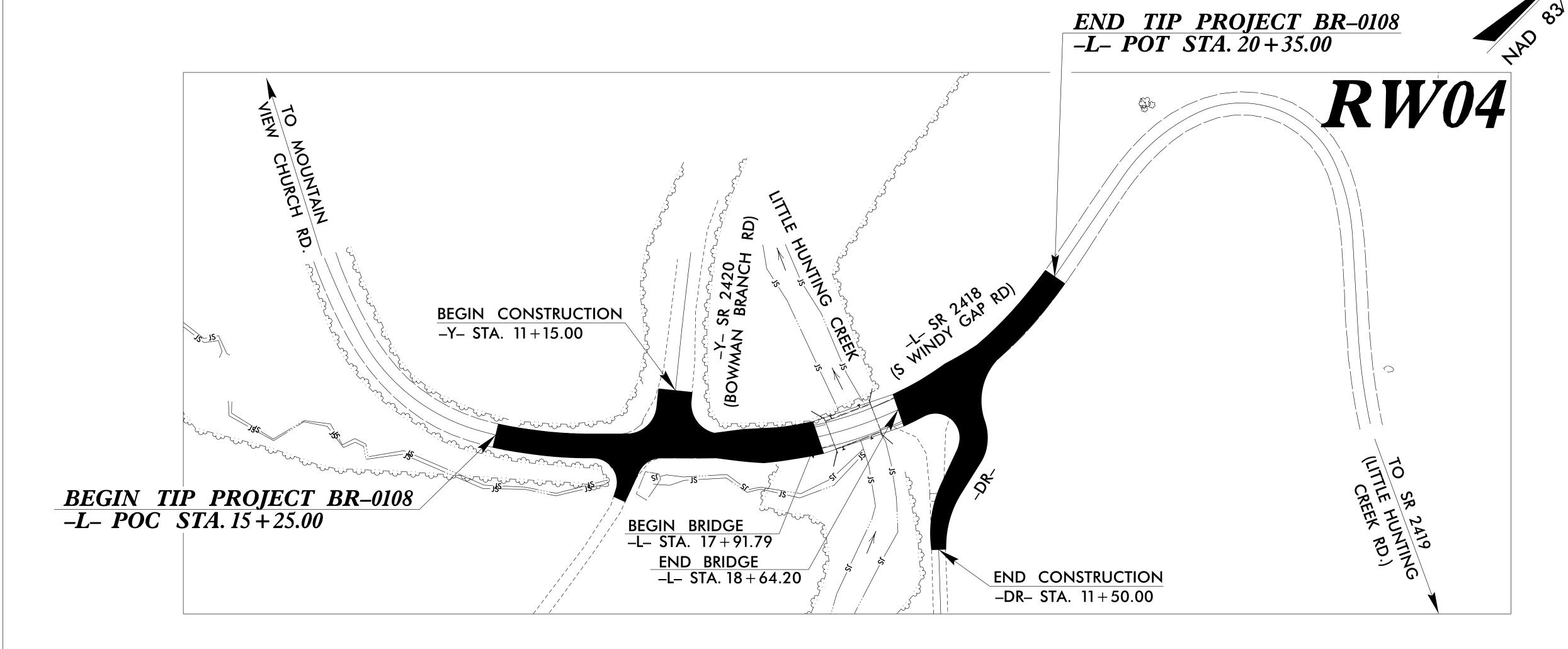
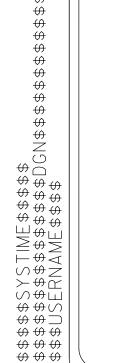
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

STATE STATE PROJECT REFERENCE NO. SHEET NO. NO. SHEETS NO. RW01 6

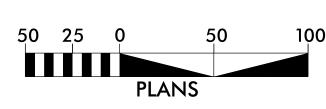
SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

## WILKES COUNTY







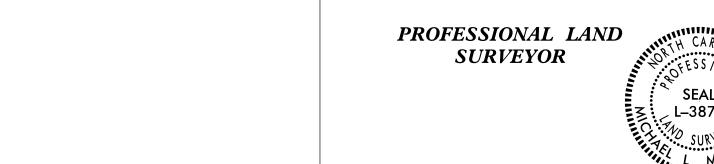


### **DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "BR0108-1"
WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 864,961.2840(ft) EASTING: 1,417,044.6505(ft) ELEVATION: 1,163.988(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99993449
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR0108-1" TO -L- STATION IS

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:



**SIGNATURE**:



CAROLINA \* NOLLAND OF TRANSPORT

2018 STANDARD SPECIFICATIONS

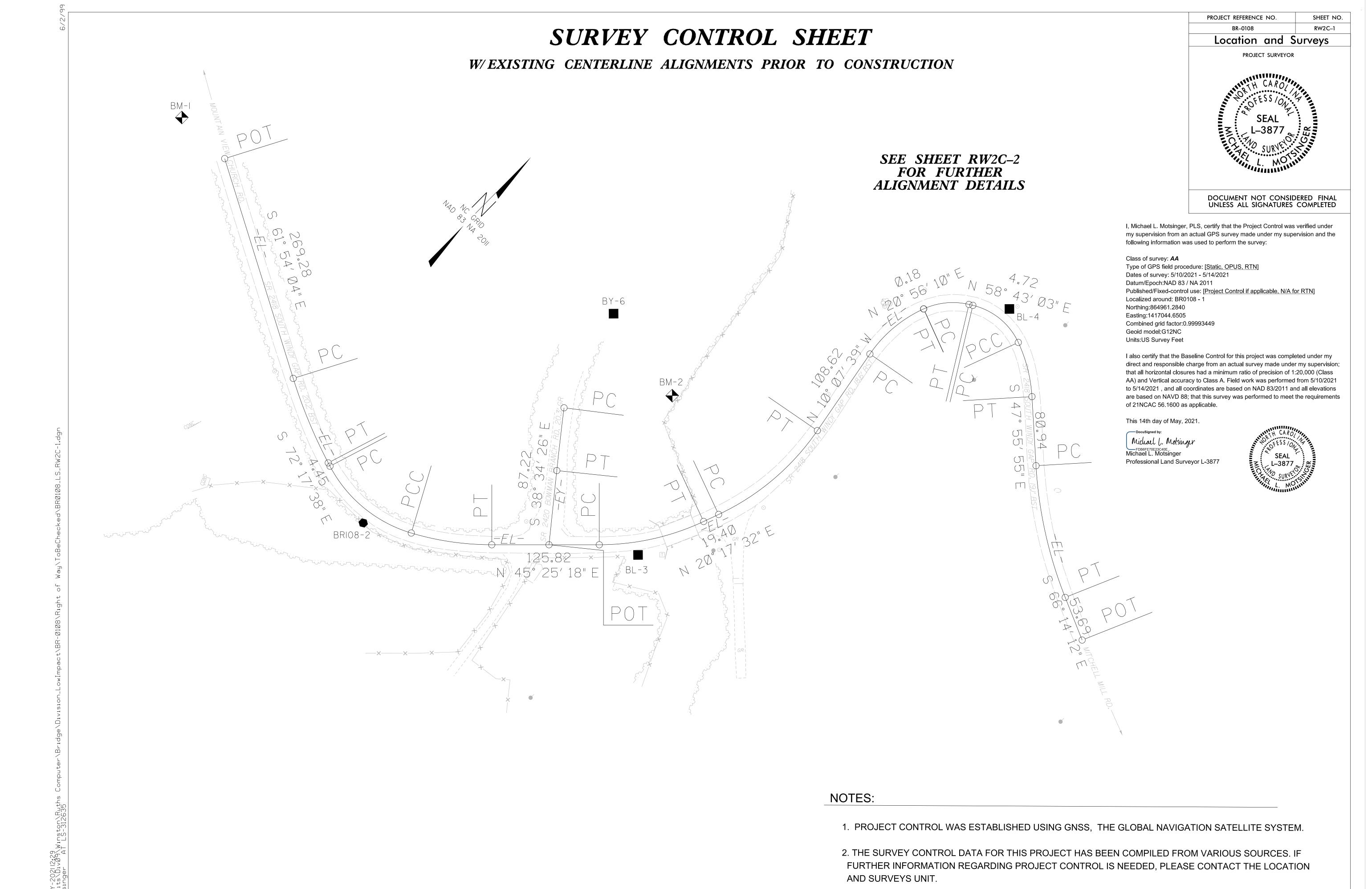
RIGHT OF WAY DATE: LET

XX/XX/XXXX X

LETTING DATE: XX/XX/XXXX

Michael L. Motsinger 5/12/2021

FDB6FE70E23C40E...



/2/99

### SURVEY CONTROL SHEET

#### W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		BR1Ø8-1	864961.284Ø	1417044.6505	1163.99
2		BR1Ø8-2	864654.5484	1417706.9899	1117.95
3		BL-3	864853.54ØØ	1417962.1820	1102.60
4		BL-4	865363.396Ø	1418069.7050	1124.65
5		BL-5	86462Ø.18ØØ	1418898.1960	1175.27
ВҮ	POINT	DESC.	NORTH	EAST	ELEVATION
6		BY - 6	865034.4620	1417743.737Ø	1121.44
400		BL - 3	864853.5400	1417962.182Ø	1102.65

* * * * * * * * *	* * * * * * * * * * * * *	* * * * * * * * *	* * * * * * * * * *
BM1	ELEVATION =	1151.07	
N 864843	E 141722	23	
BL STATION	N 7+11.00 32	' RIGHT	
BENCH TIE	SET IN 24" (	JAK	
* * * * * * * * *	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * *	* * * * * * * * * *

EL POINT	N		BEARING	DIST	DELTA	D			R
OT	864844.355	1417292.439	DLHITINU	ПП	DLLIH	D	L	l	
INE	064644.300	141/292.439	S 61°54′Ø3.8" E	269.28	+				
- TINE	864717.523	1417529.985	3 61 34 03.0 E	207.20	+				
CURVE	004/1/.323	141/32 1. 103	S 67°05′51.0" E	106.93	10°23′34.4"(LT)	Ø9°42′22.4"	107.07	53.68	590.30
>T	864675.911	1417628.483	3 07 03 31.0 2	100.75	10 23 31:1 (21)	0 1 1 2 2 2 8 1	107.07	33.00	3,6.36
 _INE	0010701711	11170208100	S 72°17′38.2" E	4.45					
°C	864674.557	1417632.722							
CURVE			N 84°50′21.5" E	123.09	45°44′00.6"(LT)	36°1Ø′38.2"	126.42	66.79	158.38
PCC	864685.629	1417755.309							
CURVE			N 53°41′49.4" E	95.11	16°33′Ø3.6"(LT)	17°20′27.4"	95.44	48.06	330.41
PΤ	864741.941	1417831.960							
_INE			N 45°25′17.6" E	125.82					
PC	864830.250	1417921.579							
CURVE	004005.000	4.447000.447	N 32°51′24.7" E	125.04	25°07′45.9"(LT)	19°56′12.1"	126.05	64.05	287.39
PŢ	864935.286	1417989.417	11.00017/01.01.5	10.10					
INE	004050470	1417000 144	N 20°17′31.8" E	19.40					
PC C	864953.478	1417996.144	N OF ON A VEC EN E	1 - 1 - 1	20025(100 51/1 7)	10°50(22.21	150.01	70 F1	200.76
CURVE PT	865104.395	1418009.566	N Ø5°Ø4′56.5" E	151.51	30°25′10.5"(LT)	19°50′32.2"	153.31	78.51	288.76
_INE	860104.390	1418009.366	N 10007/20 0" W	108.62					
-11 <u>/r</u>	865211.324	1417990.466	N 10°07′38.8" W	100.62	+				
CURVE	065211.524	141/ 1/0.400	N Ø5°24′15.8" E	81.97	31°Ø3′49.2"(RT)	37°25′56.9"	82.99	42.54	153.06
>T	865292.933	1417998.186	N 05 24 15.0 L	01. )/	31 03 4 1.2 (1(1)	37 23 30.1	02.77	42.J4	100.00
_ INE	0032 12: 133	1417 ) ) 0.100	N 20°56′10.4" E	Ø.18					
PC	865293.101	1417998.251	11 20 30 10.1 2	<b>V</b> :10					
CURVE	0002 708161	1117 / / / / / / / / / / / / / / / / / /	N 39°49′36.6" E	53.19	37°46′52.5"(RT)	69°44′58.7"	54.17	28.11	82.14
>T	865333.951	1418Ø32.318	1, 3, 1, 33,3 2	0011 /	97 10 0210 1117	3 / 1 / 3 3 1 /	0 1117	20111	0211
INE		1 110 00 00 010 10	N 58°43′Ø2.9" E	4.72					
PC C	865336.400	1418Ø36.348							
CURVE			N 84°37′15.5" E	68.58	51°48′25.2"(RT)	72°59′28.1"	70.98	38.12	78.50
PCC	865342.829	1418104.630							
CURVE			S 58°42′13.5" E	65.36	21°32′36.9"(RT)	32°46′Ø6.3"	65.74	33.27	174.85
PT	8653Ø8.878	1418160.478							
INE			S 47°55′55.0" E	80.94					
PC	865254.647	1418220.564		157.70	10010117 0111	1100010000	150.15	70.04	105.05
CURVE	0.054.00.04.3	1.110050.010	S 57°05′03.7" E	157.78	18°18′17.3"(LT)	11°33′Ø8.9"	158.45	79.91	495.96
PT	865168.910	1418353.012	0.00014/40.005	E2.22					
LINE	000147 077	1410400147	S 66°14′12.3" E	53.69	1				
POT	865147.277	1418402.147							

Y									
POINT	N	Е	BEARING	DIST	DELTA	D	L	T	R
PC	864915.369	1417779.776							
CURVE			S 37°59′41.2" E	73.90	Ø1°Ø9′29.6"(LT)	Ø1°34′Ø1.8"	73.90	36.95	3656.00
PT	864857.129	1417825.270							
LINE			S 38°34′25.9" E	87.22					
POT	864788,939	1417879,655							

PROJECT REFERENCE NO.

BR-0108

RW2C-2

Location and Surveys

PROJECT SURVEYOR

SEAL

L-3877

SURVE

SURVE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Michael L. Motsinger, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: *AA*Type of GPS field procedure: [Static, OPUS, RTN]

Dates of survey: 5/10/2021

Datum/Epoch:NAD 83 / NA 2011

Published/Fixed-control use: [Project Control if applicable, N/A for RTN]

Localized around: BR0108 - 1

Northing:864961.2840

Easting:1417044.6505

Combined grid factor:0.99993449

Geoid model:G12NC

Units:US Survey Feet

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 5/10/2021 to 5/14/2021, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 14th day of May, 2021.

Michael L. Motsinger

Michael L. Motsinger

Professional Land Surveyor L-3877



#### 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.

SHEET NO.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Michael L. Motsinger, PLS, 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.

This 14th day of May, 2021.

Michael L. Motsinger

Michael L. Motsinger

Professional Land Surveyor L-3877

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TYPE	STATION	NORTH	EAST
POT	10+00.00	864844.3552	1417292.4388
PC	12+69.28	864717.5232	1417529.9846
PCC	13+81.54	864674.3620	1417633.4267
PCC	15+08.38	864686.2311	1417756.4003
PT	16+02.58	864741.9410	1417831.9605
PC	17+23.36	864826.7140	1417917.9902
PT	20+33.60	865110.9151	1418008.4011
PC	21+35.60	865211.3243	1417990.4659
PCC	22+16.60	865291.1244	1417997.2290
PCC	23+53.62	865341.0220	1418109.2788
PT	24+14.38	865308.8777	1418160.4778
PC	24+95.47	865254.5429	1418220.6788
PT	26+53.62	865168.9729	1418352.8708
POT	27+07.46	865147.2772	1418402.1470

		Y	
TYPE	STATION	NORTH	EAST
PC	10+00.00	864915.3695	1417779.7761
PT	10+73.90	864857.1286	1417825.2704
POT	11+61,13	864788.9386	1417879.6548

#### 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.

### RIGHT OF WAY CONTROL SHEET

I, Michael L. Motsinger, 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.

Ifurther 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 individualdata sources.

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 originalsignature, registration number and sealthis 10th day of May, 2021.

L-3877 PLS #

ProfessionalLand Surveyor



ROW MARKER IRON PIN AND CAP-E

	TOW THINKEN THOU THE									
ALIGN	STATION	OFFSET	NORTH	EAST	NOTES					
L	18+20.00	60.00	864875.5601	1418028.5405	FELL IN CREEK, NOT SET					
L	18+20.00	29.98	864889.7057	1418002.0676	FELL IN CREEK, NOT SET					
L	19+40.00	60.00	865010.7628	1418070.8445						
L	19+40.00	25.57	865014.7387	1418Ø36.6464						

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST	NOTES
L	15+78.00	46.00	864690.2816	1417843.5880	
L	15+78.00	30.00	864702.4814	1417833.2377	
L	17+23.36	70.00	864776.8537	1417967.1221	
L	18+08.00	-46.00	864916.5464	1417930.0392	FELL IN CREEK, NOT SET
L	18+10.00	-29.87	864909.9855	1417944.8798	

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y	11+19.00	-15.00	864831.2258	1417865.1153

### 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 \_\_\_\_\_ .

PROJECT REFERENCE NO.

BR-0108

Location and Surveys

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

SHEET NO.

