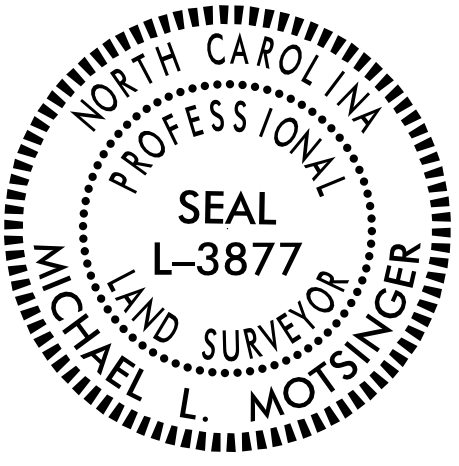


SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
BR-0108	RW2C-2
Location and Surveys	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		BR108-1	864961.2840	1417044.6505	1163.99
2		BR108-2	864654.5484	1417706.9899	1117.95
3		BL-3	864853.5400	1417962.1820	1102.60
4		BL-4	865363.3960	1418069.7050	1124.65
5		BL-5	864620.1800	1418898.1960	1175.27

BY	POINT	DESC.	NORTH	EAST	ELEVATION
6		BY-6	865034.4620	1417743.7370	1121.44
400		BL-3	864853.5400	1417962.1820	1102.65

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:

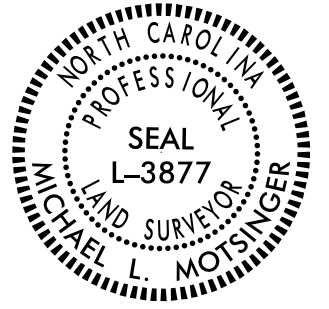
Class of survey: **AA**
 Type of GPS field procedure: [Static, OPUS, RTN]
 Dates of survey: 5/10/2021
 Datum/Epoch: NAD 83 / NA 2011
 Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
 Localized around: BR0108 - 1
 Northing: 864961.2840
 Easting: 1417044.6505
 Combined grid factor: 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.

DocuSigned by:

 Michael L. Motsinger
 Professional Land Surveyor L-3877



 BM1 ELEVATION = 1151.07
 N 864843 E 1417223
 BL STATION 7+11.00 32' RIGHT
 BENCH TIE SET IN 24" OAK

 BM2 ELEVATION = 1099.28
 N 865014 E 1417860
 BL STATION 16+90.00 133' LEFT
 BENCH TIE SET IN 30" ASH

EL	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	864844.355	1417292.439								
LINE				S 61°54'03.8" E	269.28					
PC	864717.523	1417529.985								
CURVE				S 67°05'51.0" E	106.93	10°23'34.4"(LT)	09°42'22.4"	107.07	53.68	590.30
PT	864675.911	1417628.483								
LINE				S 72°17'38.2" E	4.45					
PC	864674.557	1417632.722								
CURVE				N 84°50'21.5" E	123.09	45°44'00.6"(LT)	36°10'38.2"	126.42	66.79	158.38
PCC	864685.629	1417755.309								
CURVE				N 53°41'49.4" E	95.11	16°33'03.6"(LT)	17°20'27.4"	95.44	48.06	330.41
PT	864741.941	1417831.960								
LINE				N 45°25'17.6" E	125.82					
PC	864830.250	1417921.579								
CURVE				N 32°51'24.7" E	125.04	25°07'45.9"(LT)	19°56'12.1"	126.05	64.05	287.39
PT	864935.286	1417989.417								
LINE				N 20°17'31.8" E	19.40					
PC	864953.478	1417996.144								
CURVE				N 05°04'56.5" E	151.51	30°25'10.5"(LT)	19°50'32.2"	153.31	78.51	288.76
PT	865104.395	1418009.566								
LINE				N 10°07'38.8" W	108.62					
PC	865211.324	1417990.466								
CURVE				N 05°24'15.8" E	81.97	31°03'49.2"(RT)	37°25'56.9"	82.99	42.54	153.06
PT	865292.933	1417998.186								
LINE				N 20°56'10.4" E	0.18					
PC	865293.101	1417998.251								
CURVE				N 39°49'36.6" E	53.19	37°46'52.5"(RT)	69°44'58.7"	54.17	28.11	82.14
PT	865333.951	1418032.318								
LINE				N 58°43'02.9" E	4.72					
PC	865336.400	1418036.348								
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°46'06.3"	65.74	33.27	174.85
PT	865308.878	1418160.478								
LINE				S 47°55'55.0" E	80.94					
PC	865254.647	1418220.564								
CURVE				S 57°05'03.7" E	157.78	18°18'17.3"(LT)	11°33'08.9"	158.45	79.91	495.96
PT	865168.910	1418353.012								
LINE				S 66°14'12.3" E	53.69					
POT	865147.277	1418402.147								

Y	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	864915.369	1417779.776								
CURVE				S 37°59'41.2" E	73.90	01°09'29.6"(LT)	01°34'01.8"	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								

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.

REVISIONS