

# SURVEY CONTROL SHEET

## BASELINE AND BENCHMARKS

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		BL - 1	936223.8854	1586788.3736	893.77
2		840286-2	935681.5475	1587402.7180	855.89
3		840286-3	935180.7097	1588127.6854	855.66

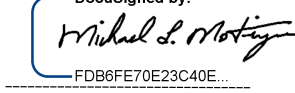
.....  
 BM1 ELEVATION = 900.06  
 N 936294 E 1586718  
 RR SPIKE IN A 20' POPLAR  
 .....  
 BM2 ELEVATION = 844.92  
 N 935643 E 1587181  
 RR SPIKE IN A 20' HICKORY  
 .....

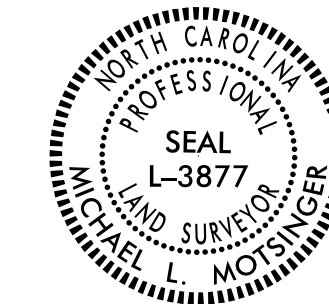
I, Michael L. Motsinger, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:


Class of survey: **AA**  
 Type of GPS field procedure: RTN  
 Dates of survey: 12-05-2017  
 Datum/Epoch: NAD 83/2011  
 Published/Fixed-control use: [Project Control if applicable, N/A for RTN]  
 Localized around: 840286-2  
 Northing: 935681.5475  
 Easting: 1587402.718  
 Combined grid factor: 1.000008391  
 Geoid model: G12BNC  
 Units: English

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 February 2018 to March 2018, 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 26th day of January, 2023.

DocuSigned by:  
  
 F0B8FE70E23C40E  
 Professional Land Surveyor L-3877



PROJECT REFERENCE NO.	SHEET NO.
17BP-9.R.83	RW02C-3
<b>Location and Surveys</b>	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	936584.802	1586186.986							
LINE			S 61°02'31.4" E	208.20					
PC	936483.998	1586369.156	S 55°53'25.0" E	538.77	10°18'12.8"(RT)	01°54'35.5"	539.49	270.48	3000.00
CURVE									
PT	936181.868	1586815.236	S 50°44'18.6" E	78.78					
LINE			S 50°44'18.6" E	687.91					
POT	936132.013	1586876.231							
LINE			S 50°44'18.6" E	687.91					
PC	935696.660	1587408.859	S 51°27'23.2" E	245.93	01°26'09.3"(LT)	00°35'01.9"	245.93	122.97	9813.22
CURVE									
PCC	935543.420	1587601.207	S 54°02'33.0" E	99.94	03°44'10.2"(LT)	03°44'15.4"	99.96	50.00	1532.95
CURVE									
PT	935484.735	1587682.107	S 55°54'38.1" E	49.37					
LINE			S 55°54'38.1" E	49.37					
PC	935457.066	1587722.990	S 56°38'51.2" E	99.68	01°28'26.2"(LT)	01°28'42.8"	99.69	49.85	3875.10
CURVE									
PT	935402.260	1587806.257	S 57°23'04.3" E	20.55					
LINE			S 57°23'04.3" E	20.55					
PC	935391.184	1587823.567	S 57°40'04.8" E	9.90	00°34'01.1"(LT)	05°43'46.5"	9.90	4.95	1000.00
CURVE									
PT	935385.891	1587831.928	S 57°57'05.4" E	686.29					
LINE			S 57°57'05.4" E	686.29					
POT	935021.718	1588413.631							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	936375.505	1587137.463	S 00°08'48.3" W	112.22					
LINE			S 00°08'48.3" W	112.22					
PC	936263.287	1587137.176	S 03°51'14.0" W	64.66	07°24'51.4"(RT)	11°27'33.0"	64.70	32.40	500.00
CURVE									
PT	936198.777	1587132.830	S 07°33'39.7" W	141.39					
LINE			S 07°33'39.7" W	141.39					
PC	936058.621	1587114.226	S 04°17'47.7" W	45.56	06°31'44.0"(LT)	14°19'26.2"	45.58	22.81	400.00
CURVE									
PT	936013.193	1587110.813	S 01°01'55.7" W	71.87					
LINE			S 01°01'55.7" W	71.87					
POT	935941.331	1587109.519							

EY2 POINT	N	E	BEARING	DIST
POT	935918.766	1587137.125		
LINE			S 10°28'49.0" W	325.74
POT	935598.462	1587077.875		

# PROPOSED ALIGNMENT

L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	936566.3882	1586221.0639
PC	13+17.90	936412.5956	1586499.2904
PT	20+77.48	935987.1817	1587127.3144
PC	29+78.24	935416.7286	1587824.4170
PT	33+37.35	935207.6576	1588116.0885
POT	36+85.00	935023.5759	1588411.0019

Y			
TYPE	STATION	NORTH	EAST
POT	10+00.00	936376.2994	1587137.7003
PC	10+38.75	936337.5539	1587137.9711
PCC	11+64.65	936211.7406	1587134.1907
PT	12+56.47	936127.5639	1587101.2363
POT	13+50.00	936054.7923	1587042.4811

Y1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	935941.2565	1587183.4358
PC	10+46.88	935904.9722	1587153.7436
PT	11+22.05	935837.5244	1587122.3806
POT	12+25.00	935736.3272	1587103.4741

### NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 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.