


SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. BR-0032	SHEET NO. rw02c-2
Location and Surveys	
MATTERN AND CRAIG ENGINEERS & SURVEYORS 12 BROAD STREET ASHEVILLE NORTH CAROLINA 28801 (828) 254-2201 FAX (828) 254-4562 NC LIC. NO. C-1154	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	779686.654	856015.287							
LINE			S 55°22'04" W	3.15					
PC	779684.863	856012.695							
CURVE			S 57°26'08" W	54.12	04°08'08"(RT)	07°38'22"	54.13	27.08	750.00
PT	779655.732	855967.081							
LINE			S 59°30'12" W	59.06					
PC	779625.757	855916.187							
CURVE			S 57°48'14" W	44.49	03°23'56"(LT)	07°38'22"	44.49	22.25	750.00
PT	779602.055	855878.543							
LINE			S 56°06'16" W	143.49					
PC	779522.036	855759.442							
CURVE			S 65°16'50" W	66.14	18°21'08"(RT)	27°37'48"	66.42	33.50	207.37
PCC	779494.379	855699.364							
CURVE			N 78°29'55" W	122.76	54°05'21"(RT)	42°26'29"	127.44	68.92	135.00
PT	779518.857	855579.065							
LINE			N 51°27'14" W	70.47					
PC	779562.773	855523.946							
CURVE			N 48°42'56" W	38.22	05°28'36"(RT)	14°19'26"	38.24	19.13	400.00
PT	779587.990	855495.226							
LINE			N 45°58'38" W	33.88					
PC	779611.534	855470.865							
CURVE			N 35°30'02" W	116.37	20°57'12"(RT)	17°54'18"	117.02	59.17	320.00
PT	779706.275	855403.285							
LINE			N 25°01'26" W	138.88					
PC	779832.119	855344.539							
CURVE			N 26°19'42" W	22.76	02°36'31"(LT)	11°27'33"	22.76	11.38	500.00
PT	779852.520	855334.444							
LINE			N 27°37'57" W	73.34					
POT	779917.492	855300.431							

EY POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	779586.044	855195.757							
LINE			N 82°40'52" E	30.96					
PC	779589.987	855226.462							
CURVE			N 85°20'05" E	64.82	05°18'26"(RT)	08°11'06"	64.84	32.44	700.00
PT	779595.259	855291.065							
LINE			N 87°59'18" E	44.20					
PC	779596.811	855335.235							
CURVE			N 69°33'58" E	107.45	36°50'40"(LT)	33°42'12"	109.32	56.62	170.00
PT	779634.323	855435.919							
LINE			N 51°08'38" E	10.45					
POT	779640.877	855444.055							

BL POINT	DESC.	NORTH	EAST	ELEVATION
GPS1	BR0032-1	778821.7890	856671.0080	1922.80
GPS2	BR0032-2	779474.7950	857371.6940	1895.87
1	BL-1	779903.4830	856184.0730	1880.29
2	BL-2	779694.9400	856055.4330	1877.95
3	BL-3	779508.7040	855670.3030	1867.77
4	BL-4	779604.5840	855443.2900	1867.52
5	BL-5	779931.4470	855279.7370	1875.80
6	BL-6	780268.1120	855232.0650	1870.75

BY POINT	DESC.	NORTH	EAST	ELEVATION
7	BY1-7	779571.3810	855169.6720	1877.25
4	BL-4	779604.5840	855443.2900	1867.52

 BMI ELEVATION = 1863.10
 N 779559 E 855496
 BMI IS RR SPIKE SET IN BASE OF 30"
 SYCAMORE

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.

I, R. L. Zietlow, PLS, certify that the Project Control was performed 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: VRS
 Dates of survey: 7/9/18 to 7/26/18
 Datum/Epoch: NAD83 NA 2011
 Published/Fixed-control use: Project Control
 Localized around: BR-0032 GPS2
 Northing: 779474.7950(ft)
 Easting: 857371.6940(ft)
 Combined grid factor: 0.99983759
 Geoid model: 12USb
 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 7/9/18 to 7/26/21, 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 16th day of August, 2021.

Ron Zietlow
 Professional Land Surveyor L-5235

REVISIONS