


SURVEY CONTROL SHEET

BASELINE AND BENCHMARKS

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1	79-0248-1	GPS-1	664675.2960	1523514.0750	778.02
2	79-0248-2	GPS-2	664167.1180	1523754.3300	760.02
3		BL-3	663983.1820	1523890.0480	759.75
4		BL-4	663841.4950	1523958.5830	766.44
5		BL-5	663722.5340	1524096.8750	774.72

.....
 BM-1 ELEVATION = 773.92
 N 664618 E 1523533
 X SCRIBED IN IN TOP OF PIPE

.....
 BM-2 ELEVATION = 759.96
 N 664171 E 1523699
 R/R SPIKE IN 18" OAK

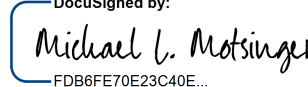
PROJECT REFERENCE NO. 79-0248	SHEET NO. RW02C-2
Location and Surveys	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Michael L. Motsinger, 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: Opus
 Dates of survey: 05-05-2017
 Datum/Epoch: NAD 83/2011
 Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
 Localized around: 790248-2
 Northing: 664167.1180
 Easting: 1523754.3300
 Combined grid factor: 0.999856017
 Geoid model: G12BNC
 Units: English

I also certify that the Baseline Control for this project was verified 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 June 2017 to July 2017, 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 24th day of January, 2022.

DocuSigned by:

 F0B8F7E2E5C4DE
 Professional Land Surveyor L-3877



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W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EL	POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
	POT	664616.319	1523558.299							
	LINE			S 23°11'11.1" E	50.15					
	PC	664570.216	1523578.045							
	CURVE			S 24°44'53.8" E	241.33	03°07'25.2"(LT)	01°17'39.0"	241.36	120.71	4427.20
	PCC	664351.047	1523679.076							
	CURVE			S 26°41'58.4" E	86.48	00°46'44.1"(LT)	00°54'02.4"	86.48	43.24	6361.58
	PT	664273.786	1523717.933							
	LINE			S 27°05'20.4" E	221.02					
	PC	664077.013	1523818.579							
	CURVE			S 29°42'55.1" E	138.04	05°15'09.4"(LT)	03°48'13.6"	138.09	69.09	1506.29
	PCC	663957.125	1523887.005							
	CURVE			S 41°12'23.6" E	187.63	17°43'47.6"(LT)	09°24'42.2"	188.38	94.95	608.77
	PT	663815.963	1524010.611							
	LINE			S 50°04'17.4" E	124.62					
	POT	663735.978	1524106.176							

PROPOSED ALIGNMENT

	STATION	NORTH	EAST
POT	10+00.00	664616.3190	1523558.2985
PC	10+47.23	664572.9003	1523576.8956
PT	13+59.87	664289.9265	1523709.6774
PC	15+99.31	664076.7559	1523818.7108
PCC	17+36.98	663957.2309	1523886.9375
PT	19+25.68	663815.8399	1524010.7581
POT	20+50.11	663735.9778	1524106.1757

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.

REVISIONS