PROJECT REFERENCE NO.	SHEET NO.
79-0248	RW02C-2

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

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*****************************************
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
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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 24t day of January , 2022.

DocuSigned by:
Michael L. Motsinger
FDB6FE70E23C40E...
Professional Land Surveyor L-3877

NORTH CAROLINA PROFESSIONAL SEAL L-3877 LAND SURVEYOR MICHAEL L. MOTSINGER

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

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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

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TYPE	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:

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

6/2/99

24-JAN-2022 08:48
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mmotsinger AT LS-312635