6/2/99

REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
BP1-R002	RW02C-2

Location and Surveys

Johnson, Mirmiran & Thompson, Inc.
9201 Arboretum Parkway, Suite 310
Richmond, VA 23236

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-5205 LAND SURVEYOR MICHAEL W. ZMUDA

DocuSigned by:
Michael W. Zmuda
015CC338971543A...

I, Michael W. Zmuda , 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: February 21, 2022
Datum/Epoch: NAD83/2011
Published/Fixed-control use: N/A
Localized around: CENTROID
Northing: 987890.000
Easting:2534560.000
Combined grid factor:1.0000951562
Geoid model: 18
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 February 21, 2022 to March 11, 2022 , 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 18th day of March, 2022.

DocuSigned by:
Michael W. Zmuda
015CC338971543A...

Professional Land Surveyor L-5205

BL

POINT	DESC.	NORTH	EAST	ELEVATION
R0021	BP1-R002-1	988841.7030	2533694.9770	42.11
R0022	BP1-R002-2	988258.3140	2534252.5670	37.82
BL3	BL-3	987918.7920	2534568.3900	37.27
BL4	BL-4	987634.0750	2534632.4500	39.49

BM1 ELEVATION = 40.52
N 988018 E 2534537
BL STATION 16+77.00 44 LEFT
SPIKE SET 24" PINE

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EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	988278.311	2534250.915							
LINE			S 45°43'51.5" E	121.04					
PC	988193.818	2534337.591							
CURVE			S 45°23'14.9" E	43.36	00°41'13.2"(RT)	01°35'03.6"	43.36	21.68	3616.37
PT	988163.364	2534368.459							
LINE			S 45°02'38.3" E	89.34					
PC	988100.241	2534431.680							
CURVE			S 39°55'12.4" E	108.73	10°14'51.7"(RT)	09°24'45.6"	108.87	54.58	608.71
PCC	988016.854	2534501.452							
CURVE			S 26°09'28.4" E	116.90	17°16'36.3"(RT)	14°43'22.7"	117.35	59.12	389.16
PT	987911.926	2534552.987							
LINE			S 17°31'10.2" E	185.27					
PC	987735.245	2534608.760							
CURVE			S 26°06'34.7" E	178.71	17°10'49.0"(LT)	09°34'40.0"	179.38	90.37	598.22
PCC	987574.776	2534687.407							
CURVE			S 36°39'06.1" E	45.65	03°54'13.9"(LT)	08°33'01.1"	45.66	22.84	670.10
PCC	987538.153	2534714.657							
CURVE			S 42°54'46.4" E	154.05	08°37'06.6"(LT)	05°35'21.3"	154.20	77.24	1025.11
PT	987425.327	2534819.549							
LINE			S 47°13'19.7" E	42.39					
POT	987396.535	2534850.665							

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.

18-MAR-2022 10:20
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