

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

I, Jimmy E. Liverman, Jr., 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: RTN
Dates of survey: 01/2017 - 06/2017
Datum/Epoch: NAD83/NA2011
Published/Fixed-control use: N/A
Localized around: CASKEY
Northing: 770400.0000
Easting: 2,569,000.000
Combined grid factor: 0.99992957
Geoid model: 09
Units: US FT

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 January 2017 to June 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 17th day of March, 2022.

DocuSigned by:
Jimmy Liverman, Jr.
Professional Land Surveyor L-4457



PROJECT REFERENCE NO.	SHEET NO.
R-4705	RW02C-10
Location and Surveys	
<ul style="list-style-type: none"> New Bern, North Carolina 28562 Phone: (252) 631-5115 Middlesboro, Kentucky 40965 Phone: (606) 248-6600 Asheville, North Carolina 28806 Phone: (828) 253-2786 Charlotte, North Carolina 28217 Phone: (704) 357-3488 	
V&M Vaughn & Melton Consulting Engineers	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EY6 POINT									
	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	747849.337	2538845.053							
LINE			S 20°24'34.1" E	52.70					
PC	747799.945	2538863.431							
CURVE			S 16°35'04.1" E	63.70	07°38'59.9"(RT)	12°00'00.0"	63.75	31.92	477.46
PT	747738.892	2538881.614							
LINE			S 12°45'34.2" E	444.89					
POT	747304.985	2538979.872							

EY7 POINT				
	N	E	BEARING	DIST
POT	748453.295	2538723.941		
LINE			S 12°49'34.9" E	610.97
POT	747857.568	2538859.575		

EY8 POINT									
	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	748585.399	2541723.110							
LINE			S 12°12'25.4" E	149.86					
PC	748438.926	2541754.797							
CURVE			S 13°16'41.5" E	17.85	02°08'32.0"(LT)	12°00'00.0"	17.85	8.93	477.46
PT	748421.552	2541758.897							
LINE			S 14°20'57.5" E	377.83					
POT	748055.512	2541852.535							

EY9 POINT				
	N	E	BEARING	DIST
POT	750260.670	2546635.103		
LINE			S 27°12'32.8" E	577.24
POT	749747.307	2546899.039		

EY10 POINT									
	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	750742.671	2546318.243							
LINE			S 43°45'24.2" E	42.07					
PC	750712.281	2546347.341							
CURVE			S 36°27'25.6" E	277.33	14°35'57.2"(RT)	05°15'00.0"	278.08	139.80	1091.35
PT	750489.225	2546512.135							
LINE			S 29°09'27.0" E	259.48					
POT	750262.627	2546638.556							

EY11 POINT				
	N	E	BEARING	DIST
POT	752516.640	2549776.858		
LINE			S 26°47'11.1" E	413.54
POT	752147.473	2549963.228		

EY12 POINT				
	N	E	BEARING	DIST
POT	753080.441	2550464.537		
LINE			S 24°48'11.9" E	566.23
POT	752566.442	2550702.074		

EY13 POINT				
	N	E	BEARING	DIST
POT	752564.884	2550699.339		
LINE			S 25°01'19.9" E	581.81
POT	752037.684	2550945.425		

EY15 POINT									
	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	754004.080	2553481.228							
LINE			S 12°43'44.6" E	222.82					
PC	753786.735	2553530.325							
CURVE			S 09°43'02.9" E	100.34	06°01'23.4"(RT)	06°00'00.0"	100.39	50.24	954.93
PT	753687.835	2553547.261							
LINE			S 06°42'21.2" E	28.29					
PC	753659.738	2553550.565							
CURVE			S 01°54'40.3" E	119.73	09°35'22.0"(RT)	08°00'00.0"	119.87	60.07	716.20
PT	753540.076	2553554.558							
LINE			S 02°53'00.7" W	65.40					
POT	753474.759	2553551.268							

EY17 POINT				
	N	E	BEARING	DIST
POT	754434.905	2555570.094		
LINE			S 07°30'13.5" E	538.95
POT	753900.569	2555640.476		

EY18 POINT				
	N	E	BEARING	DIST
POT	757470.645	2558183.069		
LINE			S 50°44'11.5" E	559.37
POT	757116.629	2558616.154		

EY19 POINT				
	N	E	BEARING	DIST
POT	757378.535	2558875.113		
LINE			S 60°43'21.4" E	573.63
POT	757098.010	2559375.464		

EY21 POINT				
	N	E	BEARING	DIST
POT	759255.104	2560185.286		
LINE			S 44°07'32.0" E	409.63
POT	758961.066	2560470.482		

EY23 POINT									
	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	760536.092	2561886.469							
LINE			N 45°12'38.3" E	710.50					
PC	761036.641	2562390.713							
CURVE			N 56°00'05.3" E	47.68	21°34'54.0"(RT)	45°00'00.0"	47.96	24.27	127.32
PT	761063.300	2562430.239							
LINE			N 66°47'32.3" E	13.87					
PC	761068.767	2562442.989							
CURVE			S 84°06'43.5" E	50.66	58°11'28.4"(RT)	110°00'00.0"	52.90	28.99	52.09
PT	761063.571	2562493.379							
LINE			S 55°00'59.3" E	71.87					
POT	761022.362	2562552.266							

EY24 POINT									
	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	761039.575	2562569.638							
LINE			S 24°14'06.7" E	66.59					
PC	760978.853	2562596.972							
CURVE			S 16°30'27.3" E	34.24	15°27'18.9"(RT)	45°00'00.0"	34.35	17.28	127.32
PT	760946.023	2562606.702							
LINE			S 08°46'47.8" E	12.78					
PC	760933.394	2562608.652							
CURVE			S 15°50'53.9" W	106.12	49°15'23.5"(RT)	45°00'00.0"	109.46	58.37	127.32
PT	760831.308	2562579.672							
LINE			S 40°28'35.7" W	121.85					
POT	760738.622	2562500.576							

EY25 POINT				
	N	E	BEARING	DIST
POT	761526.713	2563837.549		
LINE			N 32°06'32.5" W	559.28
POT	762000.444	2563540.273		

EY26 POINT				
	N	E	BEARING	DIST
POT	762815.129	2563558.748		
LINE			S 50°06'27.3" E	561.49
POT	762455.017	2563989.553		

EY27 POINT				
	N	E	BEARING	DIST
POT	763650.105	2565183.776		
LINE			S 41°08'55.7" E	393.41
POT	763353.864	2565442.649		

EY28 POINT									
	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	764381.450	2565330.423							
LINE			N 88°24'12.2" E	89.34					
PC	764383.940	2565419.724							
CURVE			S 70°16'14.8" E	130.23	42°39'06.1"(RT)	32°00'00.0"	133.29	69.90	179.05
PT	764339.977	2565542.309							
LINE			S 48°56'41.7" E	223.22					
POT	764193.367	2565710.638							

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.