

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	467760.243	1994411.104							
LINE			N 76°00'44.3" E	5143.22'					
PC	469003.429	1999401.815							
CURVE			N 70°51'56.0" E	685.31'	10°17'36.6"(LT)	01°30'00.0"	686.23'	344.04'	3819.72'
PT	469228.064	2000249.264							
LINE	469769.059	2001248.484	N 65°43'07.7" E	1315.60'					
PC			N 69°02'42.9" E	664.92'	06°39'10.5"(RT)	01°00'00.0"	665.29'	333.02'	5729.58'
CURVE			N 72°22'18.2" E	2652.46'					
PT	470006.854	2001869.426							
LINE	470810.125	2004397.326	N 75°42'28.3" E	666.85'	06°40'20.3"(RT)	01°00'00.0"	667.23'	333.99'	5729.58'
PC			S 79°02'38.5" W	0.00'					
CURVE			N 83°22'54.5" E	157.38'	08°40'32.1"(RT)	05°30'26.0"	157.53'	78.92'	1040.37'
PT	470974.748	2005043.540							
LINE	470974.748	2005043.540	N 87°43'10.6" E	1808.41'					
PC			N 80°56'48.6" E	750.65'	22°40'01.7"(RT)	03°00'00.0"	755.57'	382.79'	1909.86'
CURVE			S 69°36'47.7" E	563.39'					
PT	470946.727	2007748.148							
LINE	470750.468	2008276.245	S 73°24'07.2" E	432.68'	07°34'39.0"(LT)	01°45'00.0"	433.00'	216.82'	3274.04'
PC			S 77°11'26.7" E	878.71'					
CURVE			S 86°07'26.1" E	593.13'	17°51'58.8"(LT)	03°00'00.0"	595.54'	300.21'	1909.86'
PT	470391.960	2010139.520							
LINE	470722.044	2013869.595	N 84°56'34.5" E	3744.65'					
PC			N 85°42'39.2" E	307.18'	01°32'09.4"(RT)	00°30'00.0"	307.19'	153.60'	11459.16'
CURVE			N 86°28'43.9" E	5050.95'					
PT	470745.018	2014175.914							
LINE	471055.231	2019217.332	N 84°23'22.4" E	208.88'	04°10'42.9"(LT)	02°00'00.0"	208.93'	104.51'	2864.79'
PC			N 82°18'00.9" E	4068.40'					
CURVE			N 84°09'30.1" E	222.44'					
PT	471620.744	2023456.938							
LINE	471643.384	2023678.224	N 82°18'36.0" E	763.38'					
PC			N 60°31'38.7" E	531.54'	43°33'54.7"(LT)	08°00'00.0"	544.56'	286.21'	716.20'
CURVE			N 38°44'41.3" E	371.12'					
PT	472007.057	2024897.493							
LINE	472296.511	2025129.762							

EY12 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	471021.709	2005923.657							
LINE			S 13°54'54.0" W	280.88'					
PC	470749.067	2005856.109							
CURVE			S 03°20'30.7" W	69.73'	21°08'46.6"(LT)	30°09'20.4"	70.12'	35.47'	190.00'
PT	470679.459	2005852.045							
LINE	470594.122	2005862.873	S 07°13'52.6" E	86.02'					
PC			S 09°33'20.4" E	73.00'	04°38'55.6"(LT)	06°21'58.3"	73.02'	36.53'	900.00'
CURVE			S 11°52'48.2" E	16.10'					
PT	470522.132	2005874.992							
LINE	470506.376	2005878.306							

EY18 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	470396.585	2009756.879							
LINE			S 04°58'49.0" W	92.90'					
PC	470304.032	2009748.813							
CURVE			S 03°12'34.3" W	61.80'	03°32'29.4"(LT)	05°43'46.5"	61.81'	30.92'	1000.00'
PT	470242.328	2009745.353							
LINE	470179.753	2009743.782							

EY22-EXT POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	470943.322	2011627.938							
CURVE			S 07°45'13.6" E	281.22'	14°41'04.1"(RT)	05°12'26.5"	281.99'	141.77'	1100.29'
PT	470664.669	2011665.879							
LINE	470527.119	2011666.867							

EY9 POINT	N	E	BEARING	DIST
POT	470936.295	2003624.725		
LINE			S 04°41'38.0" E	363.44'
POT	470574.072	2003654.466		

EY10 POINT	N	E	BEARING	DIST
POT	470760.936	2004242.528		
LINE			S 11°10'33.0" E	323.02'
POT	470444.037	2004305.137		

EY11 POINT	N	E	BEARING	DIST
POT	471114.959	2005227.258		
LINE			S 03°01'04.0" E	120.90'
POT	470994.231	2005233.623		
LINE			S 03°21'22.8" W	210.56'
POT	470784.029	2005221.296		

EY13 POINT	N	E	BEARING	DIST
POT	472121.891	2007215.956		
LINE			S 04°35'52.0" W	1059.55'
POT	471065.748	2007131.022		

EY14 POINT	N	E	BEARING	DIST
POT	470969.900	2007682.111		
LINE			S 07°52'28.0" W	212.67'
POT	470759.233	2007652.974		

EY15 POINT	N	E	BEARING	DIST
POT	470972.477	2008282.352		
LINE			S 20°33'43.0" W	210.23'
POT	470775.639	2008208.514		

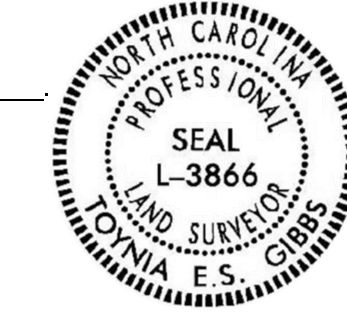
I, Toynia E.S. Gibbs, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**  
 Type of GPS field procedure: VRS  
 Dates of survey: February 22, 2023 - May 17, 2023  
 Datum/Epoch: NAD83 (2011)  
 Published/Fixed-control use: CORS  
 Localized around: U3424-1  
 Northing: 470729.9010  
 Easting: 2003980.0510  
 Combined grid factor: 1.0001250200  
 Geoid model: GEOID09  
 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 in April 2023 - May 2023, 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.

Witness my signature and seal this date 6/23/2023

Designed by  
  
 Toynia Gibbs  
 2E2F5A0E0C8DA  
 Professional Land Surveyor L-3866



EY16 POINT	N	E	BEARING	DIST
POT	470785.084	2008765.689		
LINE			S 10°59'13.0" W	170.94'
POT	470617.273	2008733.110		

EY17 POINT	N	E	BEARING	DIST
POT	470766.351	2009093.623		
LINE			S 12°55'17.0" W	225.30'
POT	470546.760	2009043.244		

EY19 POINT	N	E	BEARING	DIST
POT	470441.122	2010695.072		
LINE			S 00°02'42.0" W	230.59'
POT	470210.529	2010694.891		

EY20 POINT	N	E	BEARING	DIST
POT	470488.676	2011232.454		
LINE			S 00°17'11.0" W	221.49'
POT	470267.193	2011231.347		

EY21 POINT	N	E	BEARING	DIST
POT	470706.077	2011425.449		
LINE			S 05°22'56.0" E	199.55'
POT	470507.411	2011444.166		

EY22-REV POINT	N	E	BEARING	DIST
POT	470529.071	2011688.930		
LINE			S 00°01'38.0" E	341.17'
POT	470187.905	2011689.092		


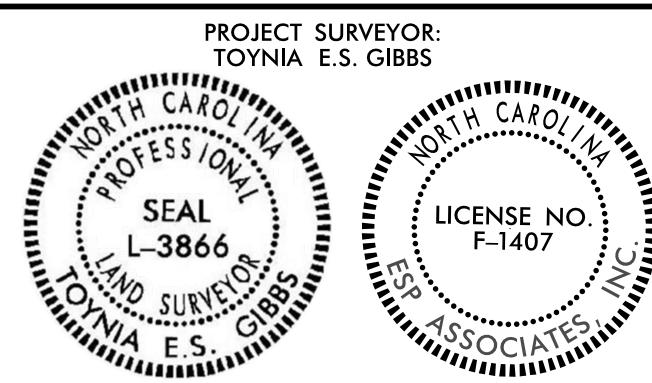
EY23 POINT	N	E	BEARING	DIST
POT	470591.630	2012395.868		
LINE			S 02°44'54.0" E	219.88'
POT	470372.001	2012406.411		

EY24 POINT	N	E	BEARING	DIST
POT	470634.749	2012883.130		
LINE			S 04°11'58.0" E	193.18'
POT	470442.087	2012897.276		

EY24A POINT	N	E	BEARING	DIST
POT	470844.737	2012872.224		
LINE			S 04°03'12.0" E	210.16'
POT	470635.099	2012887.080		

### 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.

PROJECT REFERENCE NO.	SHEET NO.
U-4405B	RW02C-4
<b>Location and Surveys</b>	
	
ESP ASSOCIATES, INC. 2200 GATEWAY CENTRE BLVD. SUITE 216 MORRISVILLE, NC 27560	
PROJECT SURVEYOR: TOYNIA E.S. GIBBS	
	
<b>DOCUMENT NOT CONSIDERED FINAL          UNLESS ALL SIGNATURES COMPLETED</b>	