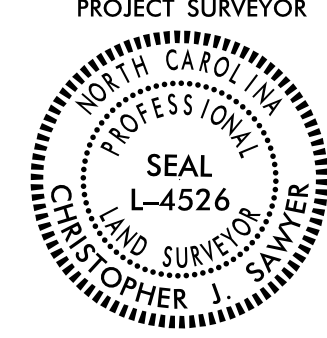


SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

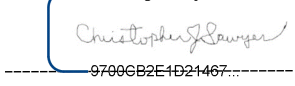
PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW02C-8
Location and Surveys	
LOCATION & SURVEYS DIVISION 3 5310 BARBADOS BLVD. #102 CASTLE HAYNE, NC 28429 (910) 341-2280	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, CHRISTOPHER J. SAWYER, PLS, certify that the Project Control was [performed/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: NC-VRS-RTN
 Dates of survey: NOVEMBER 2009 TO SEPTEMBER 2021
 Datum/Epoch: NAD 83/NSRS 2007
 Published/Fixed-control use: [Project_Control_N/A_for_RTN]
 Localized around: SOUTHPORT EAST BASE RESET 1981
 Northing: 74895.9850
 Easting: 2288816.3700
 Combined grid factor: 1.00012636797
 Geoid model: G09NC
 Units: US SURVEY FEET

I also certify that the Baseline Control for this project was not 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 NOVEMBER 2009 to SEPTEMBER 2021, and all coordinates are based on NAD 83/2007 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 SEPTEMBER, 2021.

DocuSigned by:

 970062E4D2467
 Professional Land Surveyor L-4526

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.

EY11									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	75636.418	2286511.137							
LINE			S 15°26'42.1" W	180.78					
PC	75462.167	2286462.993							
CURVE			S 24°50'17.6" W	197.32	18°47'11.0"(RT)	09°28'41.6"	198.21	100.00	604.50
PT	75283.100	2286380.107							
LINE			S 34°13'53.1" W	400.00					
POT	74952.391	2286155.093							

EY25									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	75964.228	2286639.489							
LINE			S 44°28'13.3" E	159.67					
PC	75850.287	2286751.343							
CURVE			S 16°52'30.4" E	230.88	55°36'20.9"(RT)	23°08'59.3"	240.20	130.51	247.50
PT	75629.346	2286818.365							
LINE			S 15°26'42.3" W	75.00					
POT	75557.052	2286798.391							

EY4									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	74995.985	2288823.793							
LINE			S 40°15'27.0" W	1107.60					
PC	74150.725	2288108.037							
CURVE			S 63°32'18.8" W	158.10	46°33'43.7"(RT)	28°38'52.4"	162.53	86.06	200.00
PT	74080.278	2287966.503							
LINE			S 86°49'10.7" W	169.91					
POT	74070.851	2287796.850							

EY1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	74965.227	2293339.613							
CURVE			S 33°47'30.0" W	255.54	01°55'00.0"(LT)	00°45'00.0"	255.56	127.79	7639.44
PCC	74752.853	2293197.486							
CURVE			S 29°27'30.0" W	299.83	06°45'00.0"(LT)	02°15'00.0"	300.00	150.17	2546.48
PCC	74491.790	2293050.034							
CURVE			S 24°14'45.0" W	104.98	03°40'30.0"(LT)	03°30'00.0"	105.00	52.52	1637.02
PCC	74396.068	2293006.923							
CURVE			S 20°14'55.0" W	287.89	04°19'10.0"(LT)	01°30'00.0"	287.96	144.05	3819.72
PT	74125.965	2292907.284							
LINE			S 18°05'18.8" W	610.72					
POT	73545.428	2292717.663							

EY3324													
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	72628.494	2286798.644											
LINE			N 40°32'47.6" E	973.00									
TS	73367.855	2287431.158											
SPIRAL			N 39°33'31.4" E	149.98						02°57'48.9"(LT)	150.00	100.01	50.01
SC	73483.487	2287526.677											
CURVE			N 21°09'33.2" E	819.94	32°50'51.0"(LT)	03°57'05.2"	831.28	427.41	1450.00				
CS	74248.151	2287822.644											
SPIRAL			N 02°45'35.1" E	149.98						02°57'48.9"(LT)	150.00	100.01	50.01
SS	74397.959	2287829.866											
SPIRAL			N 03°00'24.1" E	149.97						03°42'16.1"(RT)	150.00	100.02	50.02
SC	74547.725	2287837.732											
CURVE			N 08°32'47.9" E	124.26	06°08'25.8"(RT)	04°56'21.4"	124.32	62.22	1160.00				
CS	74670.605	2287856.199											
SPIRAL			N 14°05'11.7" E	149.97						03°42'16.1"(RT)	150.00	100.02	50.02
ST	74816.067	2287892.701											
LINE			N 15°19'16.9" E	520.00									
TS	75317.586	2288030.101											
SPIRAL			N 16°30'53.9" E	149.97						03°34'51.6"(RT)	150.00	100.02	50.02
SC	75461.373	2288072.734											
CURVE			N 37°54'08.4" E	781.36	38°00'00.0"(RT)	04°46'28.7"	795.87	413.19	1200.00				
CS	76077.915	2288552.739											
SPIRAL			N 59°17'23.0" E	149.97						03°34'51.6"(RT)	150.00	100.02	50.02
SS	76154.506	2288681.681											
SPIRAL			N 59°21'48.4" E	149.98						03°21'35.3"(LT)	150.00	100.02	50.02
SC	76230.933	2288810.724											
CURVE			N 37°50'00.9" E	845.03	38°34'47.6"(LT)	04°28'47.0"	861.21	447.65	1279.00				
CS	76898.335	2289329.041											
SPIRAL			N 16°18'13.5" E	149.98						03°21'35.3"(LT)	150.00	100.02	50.02
ST	77042.281	2289371.144											
LINE			N 15°11'01.9" E	1177.00									
TS	78178.193	2289679.421											
SPIRAL			N 16°15'35.0" E	149.98						03°13'39.7"(RT)	150.00	100.02	50.02
SC	78322.173	2289721.414											
CURVE			N 36°07'43.5" E	810.31	35°26'04.0"(RT)	04°18'12.9"	823.37	425.33	1331.35				
CS	78976.656	2290199.175											
SPIRAL			N 55°59'52.1" E	149.98						03°13'39.7"(RT)	150.00	100.02	50.02
ST	79060.528	2290323.509											
LINE			N 57°04'25.2" E	549.50									
PC	79359.215	2290784.743											
CURVE			N 51°24'30.7" E	454.09	11°19'49.1"(LT)	02°29'28.0"	454.83	228.16	2300.00				
PT	79642.457	2291139.664											
LINE			N 45°44'36.1" E	2396.81									
TS	81315.127	2292856.309											
SPIRAL			N 47°04'32.8" E	149.97						03°59'50.6"(RT)	150.00	100.03	50.02
SC	81417.259	2292966.123											
CURVE			N 65°53'16.0" E	597.92	32°17'38.7"(RT)	05°19'47.4"	605.91	311.24	1075.00				
CS	81661.525	2293511.875											
SPIRAL			N 84°41'59.3" E	149.97						03°59'50.6"(RT)	150.00	100.03	50.02
ST	81675.379	2293661.201											
LINE			N 86°01'55.9" E	167.53									
POT	81686.971	2293828.333											

REVISIONS

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