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PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-5600	RW02D-1

Location and Surveys

Vaughn & Melton

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4529 LAND SURVEYOR MARK A PARRIS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROPOSED ALIGNMENT: L

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
PC	10+00,00	617706,0313	742154,3265	N87°27'40"E	183,713	08°25'42"	04°35'01"	183,879	92,106	1250		
PT	11+83,88	617714,1695	742337,8595	N82°14'49"E	81,138							
PC	12+45,02	617721,3588	742398,5732	N76°18'00"E	145,137	13°53'37"	09°32'57"	145,493	73,105	600		
PT	13+90,51	617755,7325	742539,5809	N69°21'12"E	100,529							
PC	14+91,04	617791,1795	742633,6532	N71°10'25"E	127,053	03°38'25"	02°51'53"	127,074	63,558	2000		
PT	16+18,11	617832,1799	742753,0087	N72°59'3"E	223,382							
PC	18+41,50	617897,5140	742967,5228	N87°24'54"E	174,333	28°50'32"	16°22'13"	176,188	90,003	350		
PT	20+17,68	617905,3770	743141,6787	S78°09'50"E	115,077							
PC	21+32,76	617881,7735	743254,3088	N77°31'26"E	279,962	48°37'28"	16°51'06"	288,543	153,603	340		
PRC	24+21,30	617942,2546	743527,6594	N81°01'22"E	569,202	55°37'20"	09°23'34"	592,183	321,768	610		
PT	30+13,49	618031,0737	744089,8886	S71°09'58"E	195,554							
PC	32+09,04	617967,9438	744274,9723	S64°55'23"E	391,483	12°29'10"	03°10'59"	392,259	196,909	1800		
PT	36+01,30	617802,0197	744629,5540	S58°45'48"E	251,714							
PC	38+53,01	617671,1749	744844,5874	S59°29'25"E	282,843	01°37'14"	00°34'23"	282,852	141,436	10000		
PRC	41+35,86	617527,5805	745088,2689	S58°10'33"E	741,567	04°14'59"	00°34'23"	741,737	371,039	10000		
PRC	49+77,60	617136,5412	745718,3561	S64°21'45"E	233,136	16°45'25"	07°09'43"	233,969	117,826	800		
PT	51+11,57	617035,9137	745928,6574	S72°49'28"E	383,247							
PC	54+94,82	616922,6334	746294,7806	S60°01'58"E	309,569	25°32'59"	08°11'06"	312,149	158,713	700		
PT	58+06,97	616768,0027	746562,9636	S47°15'29"E	703,186							
PC	65+10,15	616290,7511	747079,3957	S36°02'10"E	583,829	22°26'38"	03°49'11"	587,578	297,604	1500		
PT	70+97,73	615816,8396	747422,8588	S24°48'51"E	759,883							
PC	78+57,62	615128,9132	747741,7636	S07°15'24"E	723,992	35°06'54"	04°46'29"	735,448	379,684	1200		
PT	85+93,06	614410,7205	747853,2134	S10°18'03"W	838,129							
PC	94+31,19	613586,1000	747683,3408	S04°55'24"W	243,675	10°45'20"	04°24'27"	244,033	122,376	1300		
PT	96+75,23	613343,3244	747662,4285	S00°27'16"E	451,072							
PC	101+26,30	612892,2951	747666,0066	S03°36'31"E	330,134	06°18'30"	01°54'35"	330,301	165,318	3000		
PT	104+56,60	612562,7865	747686,7856	S06°45'46"E	1295,454							
PC	117+52,05	611276,3458	747839,3370	S03°10'27"E	375,545	07°10'37"	01°54'35"	375,79	188,141	3000		
PT	121+27,84	610901,3775	747860,1320	S00°24'51"W	1267,356							
PC	133+95,20	609634,0546	747850,9684	S03°27'29"E	270,137	07°44'41"	02°51'53"	270,343	135,377	2000		
PT	136+65,54	609364,4097	747867,2627	S07°19'50"E	415,621							
PC	140+81,16	608952,1857	747920,2926	S18°06'51"E	355,496	21°34'03"	06°01'52"	357,603	180,943	950		
PRC	144+38,77	608614,3089	748030,8206	S19°37'08"E	615,953	18°33'30"	02°59'59"	618,654	312,06	1910		

PROPOSED ALIGNMENT: Y

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00,00	617916,7074	744400,7719	N15°36'30"E	92,30							
PC	10+92,30	618008,6009	744425,6054	N17°34'26"E	327,20	03°55'52"	01°12'04"	327,268	163,698	4770		
PRC	14+19,57	618320,5333	744524,3996	N17°46'24"E	294,00	03°31'55"	01°12'04"	294,048	147,071	4770		
PRC	17+13,61	618600,5039	744614,1447	N36°08'02"E	757,01	40°15'12"	05°12'31"	772,808	403,123	1100		
PT	24+86,42	619211,8973	745060,5365	N56°15'38"E	296,82							
PC	27+83,24	619376,7570	745307,3657	N55°29'18"E	67,41	01°32'42"	02°17'31"	67,407	33,706	2500		
PT	28+50,65	619414,9472	745362,9084	N54°42'57"E	74,94							
END	29+25,60	619458,2370	745424,0845									

PROPOSED ALIGNMENT: Y2

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00,00	618996,2117	744624,6564	S48°51'51"E	41,92							
PC	10+41,92	618971,6322	744656,2315	S82°14'13"E	99,02	66°46'44"	63°39'43"	104,844	59,283	90		
PRC	11+46,77	618958,2576	744664,3393	S71°35'32"E	125,08	86°02'07"	63°39'43"	136,286	86,966	90		
PT	12+85,05	618918,7604	745073,0178	S27°34'28"E	85,72							
END	13+70,77	618842,7784	745112,6970									

PROPOSED ALIGNMENT: Y3

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00,00	618774,4626	744680,4392	S49°17'04"E	34,12							
PC	10+34,12	618752,2068	744706,2997	S05°09'37"E	63,55	88°14'54"	95°29'35"	92,413	58,193	60		
PRC	11+26,53	618668,9995	744713,8139	S26°50'22"W	63,01	24°14'56"	38°11'50"	63,483	32,224	150		
PT	11+90,02	618612,7767	744685,3649	S14°42'55"W	50,80							
PC	12+40,82	618563,6390	744672,4600	S13°15'42"W	27,90	02°54'26"	10°25'03"	27,907	13,957	550		
PCC	12+68,73	618536,4789	744666,0589	S02°57'52"E	68,84	29°32'41"	42°26'29"	69,613	35,599	135		

PROPOSED ALIGNMENT: Y4

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	9+50,00	617449,9256	744209,8785	N24°43'53"E	275,26							
PC	12+25,26	617699,9422	744325,0392	N20°10'11"E	63,624	09°07'23"	14°19'26"	63,691	31,913	400		
PT	12+88,96	617759,6640	744346,9769	N15°36'30"E	169,75							
END	14+58,70	617923,1524	744392,6493									

PROPOSED ALIGNMENT: YSA

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00,00	617661,7341	744307,4401	S65°22'54"E	142,90							
PC	11+42,90	617602,2069	744437,3486	S60°15'54"E	35,67	10°14'00"	28°38'52"	35,721	17,908	200		
PT	11+78,62	617584,5132	744468,3249	S55°08'54"E	85,49							
END	12+64,11	617535,6611	744538,4788									

PROPOSED ALIGNMENT: YSB

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	9+00,00	617412,7592	744726,5729	S61°28'17"E	152,83							
PC	10+52,83	617339,7692	744860,8432	S46°29'03"E	77,58	29°58'26"	38°11'50"	78,472	40,156	150		
PRC	11+31,30	617286,3513	744917,1030	S55°37'55"E	122,67	48°16'10"	38°11'50"	126,369	67,207	150		
PT	12+57,97	617217,1061	745018,3542	S79°46'05"E	65,01							
END	13+22,68	617205,5565	745082,3304									

PROPOSED ALIGNMENT: Y6

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00,00	616965,2050	745038,9400	N10°14'00"E	543,88							
END	15+43,88	617500,4333	745135,5642									

PROPOSED ALIGNMENT: Y7

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00,00	617500,4333	745135,5642	N10°14'00"E	181,24							
PC	11+81,24	617678,7942	745167,7636	N26°03'40"E	81,82	31°39'20"	38°11'50"	82,87	42,52	150		
PT	12+64,12	617752,2986	745203,7111	N41°53'20"E	55,02							
PC	13+19,14	617793,2584	745240,4477	N42°37'40"E	52,88	01°28'40"	02°47'42"	52,88	26,44	2050		
PT	13+72,02	617832,1635	745276,2576	N43°22'00"E	24,16							
END	13+96,18	617849,7261	745292,8463									

PROPOSED ALIGNMENT: Y8

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00,00	616853,3866	746448,3037	N37°10'32"E	37,02							
PC	10+37,02	616883,4835	746470,6732	N41°05'16"E	95,52	07°49'28"	08°11'06"	95,59	47,87	700		
PT	11+32,61	616955,4772	746533,4502	N45°00'00"E	12,98							
END	11+45,59	616964,6547	746542,6277									

PROPOSED ALIGNMENT: Y9

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
PC	10+00,00	616047,0803	746509,8519	N35°16'07"E	125,11	15°37'55"	12°27'20"	125,5	63,14	460		
PRC	11+25,50	616149,2294	746582,0933	N59°58'31"E	268,82	65°02'45"	22°55'06"	283,82	159,41	250		
PRC	14+09,32	616263,7384	746814,8390	N68°19'18"E	204,76	48°21'12"	22°55'06"	210,98	112,23	250		

PROPOSED ALIGNMENT: Y10

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00,00	616359,3818	747005,1314	N43°27'29"E	179,93							
PC	11+79,93	616489,9885	747128,8909	N64°33'48"E	180,04	42°12'39"	22°55'06"	184,18	96,49	250		
PT	13+64,11	616567,3188	747291,4799	N85°40'08"E	59,72							
END	14+23,83	616571,8294	747351,0343									

PROPOSED ALIGNMENT: Y11

POINT	STATION	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R	LT	ST
START	10+00,00	616506,3206	747148,2168	S46°13'33"E	60,16							
PC	10+60,16	616466,6991	747191,6587	S36°56'23"E	90,37	18°34'22"	20°27'46"	90,76	45,78	280		
PT	11+50,93	616394,4721	747245,9664	S27°39'12"E	19,47							
END	11+70,40	616377,2220	747255,0050									

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03/23/2023 TO 07/10/2025.

I , Mark A. Parris , certify that the right of way and permanent easement monumentation for this project shown herein 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 1:10,000 (Class A). Field work was performed from 03/23/2023 to 07/10/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of July, 2025.

Signed by:
Mark Parris
3170D8E6C3F0485...
Professional Land Surveyor L-4529

REVISIONS

6/2/99

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