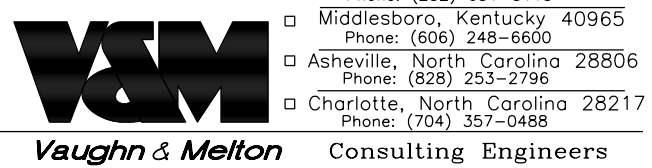
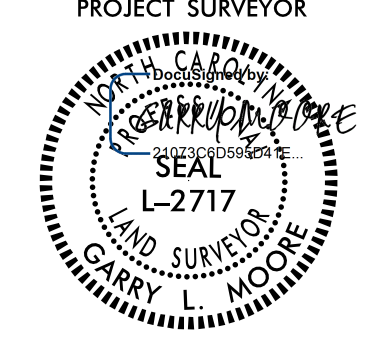


SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-4705	RW02C-7
Location and Surveys	
<ul style="list-style-type: none"> ■ New Bern, North Carolina 28562 Phone: (252) 631-5115 □ Midway, Kentucky 40965 Phone: (606) 248-6600 □ Asheville, North Carolina 28806 Phone: (828) 253-7766 □ Charlotte, North Carolina 28217 Phone: (704) 357-8888 	
	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BL	POINT	DESC.	NORTH	EAST	ELEVATION
BL25	BL-25		737724.3440	2524590.6030	36.20
BL26	BL-26		737829.7940	2525635.8820	34.91
BL27	BL-27		738279.8850	2526593.2940	35.97
BL28	BL-28		738971.7800	2527287.9420	35.29
BL29	BL-29		739755.3880	2527996.8510	31.02
BL30	BL-30		740456.8810	2528597.5010	31.56
BL31	BL-31		741083.5440	2529079.3170	32.86
BL32	BL-32		741254.2550	2529488.0470	32.86
BL33	BL-33		741182.6730	2530191.7920	32.11
BL34	BL-34		741170.6510	2530889.5470	33.64
BL35	BL-35		741438.3040	2531247.0130	32.54
R47053	GPS MON (R4705-3)		742394.7830	2531899.1320	35.63
BL36	BL-36		743109.6610	2532239.2380	35.84
BL37	BL-37		743780.6130	2533093.5510	37.49
BL38	BL-38		744455.5210	2533922.2640	42.67
BL39	BL-39		745164.8520	2534764.2650	45.40
BL40	BL-40		745536.6880	2535706.0160	45.64
BL41	BL-41		745894.6020	2536649.3280	49.77
BL42	BL-42		746609.1440	2537459.8750	51.54
BL43	BL-43		747076.3760	2537980.2670	51.97
BL44	BL-44		747565.4490	2538481.3280	55.44
BL45	BL-45		747905.2280	2538890.3220	60.05
BL46	BL-46		748104.2020	2539840.8970	59.47
BL47	BL-47		748407.8520	2540928.0410	61.55
BL48	BL-48		748605.8000	2541723.0070	66.30
BL49	BL-49		748828.4390	2542779.4640	66.67
BL50	BL-50		749094.7550	2543835.0820	68.04
BL51	BL-51		749355.2900	2544872.2590	68.83
BL52	BL-52		749637.6190	2545566.1460	69.85
BL53	BL-53		749944.3280	2546105.1380	69.99
BL54	BL-54		750225.3090	2546618.3510	72.95
BL55	BL-55		750698.3120	2547438.6800	74.38
BL56	BL-56		751194.4530	2548313.5720	73.41
BL57	BL-57		751685.5570	2549178.0040	74.04
BL58	BL-58		752097.9750	2549910.3370	76.51
R470511	GPS MON (R4705-11)		752560.3690	2550732.7930	75.70
BL59	BL-59		753052.4820	2551580.6350	75.49
BL60	BL-60		753481.2520	2552329.2920	76.01
BL61	BL-61		753884.7110	2552999.2970	75.32
BL62	BL-62		753996.7210	2553540.3540	72.93
BL63	BL-63		754201.8480	2554527.5950	70.16
BL64	BL-64		754448.9260	2555566.5150	72.93
BL65	BL-65		754586.1980	2556171.0210	70.30
BL66	BL-66		755077.6110	2556679.4240	69.37
BL67	BL-67		755857.4340	2557425.3660	67.15
BL68	BL-68		756615.8550	2558155.9690	72.20
BL69	BL-69		757391.4960	2558861.5400	72.54
BL70	BL-70		758107.9700	2559633.4440	72.89
BL71	BL-71		758859.7300	2560389.4380	73.66
BL72	BL-72		759405.6130	2560955.7070	75.62
BL73	BL-73		760047.3340	2561602.0720	99.58
BL74	BL-74		760517.6140	2562011.3480	102.37
BL75	BL-75		761287.8040	2562785.8370	82.88
BL76	BL-76		761931.4320	2563505.3210	76.78
BL77	BL-77		762510.0600	2564074.7240	74.27
R470517	GPS MON (R4705-17)		763246.5240	2564748.8944	76.06
R470518	GPS MON (R4705-18)		763914.0218	2565410.8232	70.71

BY9	POINT	DESC.	NORTH	EAST	ELEVATION
E0BL54			750225.3090	2546618.3510	UNKNOWN
R47059	GPS MON (R4705-9)		749462.5910	2547062.4390	70.71
R470510	GPS MON (R4705-10)		748541.6880	2547525.6390	58.84
BY12					
R470512	GPS MON (R4705-12)		753709.5860	2550157.6780	79.32
EOR470511			752560.3690	2550732.7930	UNKNOWN
BY17					
E0BL64			754448.9260	2555566.5150	UNKNOWN
R470513	GPS MON (R4705-13)		753626.1100	2555679.5210	73.78
R470514	GPS MON (R4705-14)		752856.1380	2555622.9870	69.40
BY19					
E0BL69			757391.4960	2558861.5400	UNKNOWN
R470515	GPS MON (R4705-15)		756922.2521	2559662.6680	74.45
R470516	GPS MON (R4705-16)		756426.5699	2560552.7114	72.86
BM10	ELEVATION = 37.19				
N 738058	E 2524973				
EL STATION 14+69.00 300 LEFT					
RR SPIKE IN 30" GUM					
BM11	ELEVATION = 37.41				
N 738765	E 2526781				
EL STATION 36+13.00 243 LEFT					
RR SPIKE IN PP					
BM12	ELEVATION = 32.04				
N 740635	E 2528869				
EL STATION 64+25.00 106 RIGHT					
RR SPIKE IN PP					
BM13	ELEVATION = 32.06				
N 741133	E 2530859				
EL STATION 87+00.00 52 RIGHT					
RR SPIKE IN 30" PINE					
BM14	ELEVATION = 41.28				
N 744340	E 2533438				
EL STATION 128+48.00 200 LEFT					
RR SPIKE IN 30" GUM					
BM15	ELEVATION = 47.85				
N 745301	E 2535831				
EL STATION 154+35.00 250 RIGHT					
RR SPIKE IN PP					
BM16	ELEVATION = 61.09				
N 748021	E 2538792				
EL STATION 193+80.00 176 LEFT					
RR SPIKE IN 36" OAK					
BM17	ELEVATION = 63.79				
N 748205	E 2541948				
EL STATION 224+50.00 423 RIGHT					
RR SPIKE IN PP					
BM18	ELEVATION = 71.88				
N 749206	E 2544073				
EL STATION 247+52.00 35 LEFT					
RR SPIKE IN 18" PINE					

BM19	ELEVATION = 75.98				
N 750494	E 2546421				
EL STATION 274+79.00 309 LEFT					
RR SPIKE IN PP					
BM20	ELEVATION = 75.62				
N 751565	E 2549144				
EL STATION 303+76.00 103 RIGHT					
RR SPIKE IN 30" PINE					
BM21	ELEVATION = 76.70				
N 753374	E 2552305				
EL STATION 340+18.00 97 RIGHT					
RR SPIKE IN PP					
BM22	ELEVATION = 72.92				
N 754379	E 2554713				
EL STATION 366+50.00 122 LEFT					
RR SPIKE IN 24" PINE					
BM23	ELEVATION = 68.31				
N 755267	E 2557034				
EL STATION 392+02.00 140 RIGHT					
RR SPIKE IN 30" OAK					
BM24	ELEVATION = 73.70				
N 757279	E 2558370				
EL STATION 415+76.00 290 LEFT					
RRSPKPP					
BM25	ELEVATION = 76.75				
N 759020	E 2560450				
EL STATION 442+74.00 56 LEFT					
TOP NUT OF FIRE HYDRANT					
BM26	ELEVATION = 76.76				
N 762741	E 2563700				
EL STATION 492+03.00 407 LEFT					
RR SPIKE IN PP					
BM27	ELEVATION = 78.01				
N 763544	E 2564595				
EL STATION 504+04.00 340 LEFT					
RR SPIKE IN PP					

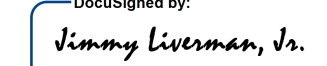
BY1	POINT	DESC.	NORTH	EAST	ELEVATION
BY1101	BY1-101		738439.5940	2524208.4420	43.81
E0BL25			737724.3440	2524590.6030	UNKNOWN
BY1100	BY1-100		736773.9150	2524622.7470	34.91
R47052	GPS MON (R4705-2)		736028.8152	2524707.7705	36.35
R47051	GPS MON (R4705-1)		735119.4750	2524742.2070	43.30
BY2					
EOR47053			742394.7830	2531899.1320	UNKNOWN
R47054	GPS MON (R4705-4)		741443.3820	2532196.7770	36.45
BY4					
E0BL40			745536.6880	2535706.0160	UNKNOWN
R47055	GPS MON (R4705-5)		744795.9620	2535971.7060	46.62
R47056	GPS MON (R4705-6)		743677.8410	2535746.0530	43.69
BY8					
E0BL48			748605.8000	2541723.0070	UNKNOWN
R47057	GPS MON (R4705-7)		747853.9470	2541915.7510	62.28
R47058	GPS MON (R4705-8)		746943.0420	2542201.6340	62.95

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



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.

REVISIONS