

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: 2,569,000.0000
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.

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



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| PROJECT REFERENCE NO. R-4705 | SHEET NO. RW02C-9 |
| Location and Surveys | |
| <ul style="list-style-type: none"> ■ New Bern, North Carolina 28562 Phone: (252) 631-5115 □ Middleboro, Kentucky 40965 Phone: (606) 248-6600 □ Asheville, North Carolina 28806 Phone: (828) 253-2786 □ Charlotte, North Carolina 28217 Phone: (704) 357-3488 | |
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| | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

| EL POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|----------|------------|-------------|-----------------|---------|------------------|-------------|--------|--------|----------|
| PC | 748849.193 | 2542803.798 | | | | | | | |
| CURVE | | | N 76°01'16.8" E | 208.90 | 00°31'20.1"(L.T) | 00°15'00.0" | 208.90 | 104.45 | 22918.31 |
| PT | 748899.655 | 2543006.512 | | | | | | | |
| LINE | | | N 75°45'36.8" E | 931.26 | | | | | |
| PC | 749128.726 | 2543909.155 | | | | | | | |
| CURVE | | | N 75°56'55.0" E | 150.71 | 00°22'36.4"(RT) | 00°15'00.0" | 150.71 | 75.36 | 22918.31 |
| PT | 749165.318 | 2544055.360 | | | | | | | |
| LINE | | | N 76°08'13.2" E | 115.31 | | | | | |
| PC | 749192.946 | 2544167.309 | | | | | | | |
| CURVE | | | N 76°01'07.5" E | 94.60 | 00°14'11.4"(L.T) | 00°15'00.0" | 94.60 | 47.30 | 22918.31 |
| PT | 749215.802 | 2544259.107 | | | | | | | |
| LINE | | | N 75°54'01.8" E | 762.79 | | | | | |
| PC | 749401.622 | 2544998.916 | | | | | | | |
| CURVE | | | N 68°11'05.3" E | 439.56 | 15°25'52.9"(L.T) | 03°30'00.0" | 440.90 | 221.79 | 1637.02 |
| PT | 749564.971 | 2545407.003 | | | | | | | |
| LINE | | | N 60°28'08.9" E | 2173.57 | | | | | |
| PC | 750636.307 | 2547298.204 | | | | | | | |
| CURVE | | | N 60°27'25.7" E | 9.60 | 00°01'26.4"(L.T) | 00°15'00.0" | 9.60 | 4.80 | 22918.31 |
| PT | 750641.040 | 2547306.556 | | | | | | | |
| LINE | | | N 60°26'42.5" E | 3890.98 | | | | | |
| PC | 752560.292 | 2550691.256 | | | | | | | |
| CURVE | | | N 60°18'23.9" E | 27.70 | 00°16'37.2"(L.T) | 01°00'00.0" | 27.70 | 13.85 | 5729.58 |
| PT | 752574.014 | 2550715.319 | | | | | | | |
| LINE | | | N 60°10'05.2" E | 2329.22 | | | | | |
| PC | 753732.701 | 2552735.893 | | | | | | | |
| CURVE | | | N 62°01'15.2" E | 211.71 | 03°42'19.9"(RT) | 01°45'00.0" | 211.74 | 105.91 | 3274.04 |
| PT | 753832.024 | 2552922.856 | | | | | | | |
| LINE | | | N 63°52'25.1" E | 3.98 | | | | | |
| PC | 753833.777 | 2552926.430 | | | | | | | |
| CURVE | | | N 70°50'58.6" E | 407.34 | 13°57'06.9"(RT) | 03°25'00.0" | 408.35 | 205.19 | 1676.95 |
| PT | 753967.404 | 2553311.229 | | | | | | | |
| LINE | | | N 77°49'32.0" E | 316.62 | | | | | |
| PC | 754034.176 | 2553620.729 | | | | | | | |
| CURVE | | | N 78°24'03.4" E | 115.08 | 01°09'02.8"(RT) | 01°00'00.0" | 115.08 | 57.54 | 5729.58 |
| PT | 754057.313 | 2553733.454 | | | | | | | |
| LINE | | | N 78°58'34.8" E | 153.36 | | | | | |
| PC | 754086.638 | 2553883.987 | | | | | | | |
| CURVE | | | N 78°44'25.5" E | 47.19 | 00°28'18.7"(L.T) | 01°00'00.0" | 47.19 | 23.59 | 5729.58 |
| PT | 754095.852 | 2553930.266 | | | | | | | |
| LINE | | | N 78°30'16.1" E | 1094.03 | | | | | |
| PC | 754313.882 | 2555002.348 | | | | | | | |
| CURVE | | | N 78°09'05.7" E | 94.11 | 00°42'20.9"(L.T) | 00°45'00.0" | 94.11 | 47.05 | 7639.44 |
| PT | 754333.204 | 2555094.448 | | | | | | | |
| LINE | | | N 77°47'55.2" E | 121.76 | | | | | |
| PC | 754358.939 | 2555213.460 | | | | | | | |
| CURVE | | | N 77°53'51.7" E | 79.20 | 00°11'52.8"(RT) | 00°15'00.0" | 79.20 | 39.60 | 22918.31 |
| PT | 754375.544 | 2555290.903 | | | | | | | |
| LINE | | | N 77°59'48.1" E | 374.62 | | | | | |
| PC | 754453.453 | 2555657.329 | | | | | | | |
| CURVE | | | N 77°40'04.2" E | 87.69 | 00°39'27.7"(L.T) | 00°45'00.0" | 87.69 | 43.85 | 7639.44 |
| PT | 754472.182 | 2555742.998 | | | | | | | |
| LINE | | | N 77°20'20.4" E | 137.33 | | | | | |
| PC | 754502.282 | 2555876.990 | | | | | | | |
| CURVE | | | N 72°26'44.2" E | 195.50 | 09°47'12.3"(L.T) | 05°00'00.0" | 195.73 | 98.11 | 1145.92 |
| PT | 754561.246 | 2556063.383 | | | | | | | |
| LINE | | | N 67°33'08.1" E | 4.03 | | | | | |
| PC | 754562.786 | 2556067.109 | | | | | | | |
| CURVE | | | N 60°43'44.6" E | 175.67 | 13°38'47.0"(L.T) | 07°45'00.0" | 176.08 | 88.46 | 739.30 |
| PT | 754648.677 | 2556220.347 | | | | | | | |
| LINE | | | N 53°54'21.1" E | 27.81 | | | | | |
| PC | 754665.061 | 2556242.820 | | | | | | | |
| CURVE | | | N 49°34'11.0" E | 115.52 | 08°40'20.1"(L.T) | 07°30'00.0" | 115.63 | 57.93 | 763.94 |
| PT | 754739.978 | 2556330.754 | | | | | | | |
| LINE | | | N 45°14'00.9" E | 43.83 | | | | | |
| PC | 754770.848 | 2556361.876 | | | | | | | |
| CURVE | | | N 44°31'36.7" E | 141.34 | 01°24'48.5"(L.T) | 01°00'00.0" | 141.35 | 70.68 | 5729.58 |
| PT | 754871.614 | 2556460.991 | | | | | | | |
| LINE | | | N 43°49'12.5" E | 2953.94 | | | | | |
| PC | 757002.931 | 2558506.289 | | | | | | | |
| CURVE | | | N 44°31'34.4" E | 564.85 | 01°24'43.8"(RT) | 00°15'00.0" | 564.86 | 282.45 | 22918.31 |
| PT | 757405.627 | 2558902.380 | | | | | | | |
| LINE | | | N 45°13'56.2" E | 2209.64 | | | | | |
| PC | 758961.729 | 2560471.151 | | | | | | | |
| CURVE | | | N 45°21'59.1" E | 107.29 | 00°16'05.6"(RT) | 00°15'00.0" | 107.29 | 53.65 | 22918.31 |
| PT | 759037.111 | 2560547.503 | | | | | | | |
| LINE | | | N 45°30'01.9" E | 224.52 | | | | | |
| PC | 759194.477 | 2560707.643 | | | | | | | |
| CURVE | | | N 45°04'31.5" E | 85.02 | 00°51'00.7"(L.T) | 01°00'00.0" | 85.02 | 42.51 | 5729.58 |
| PT | 759254.516 | 2560767.840 | | | | | | | |
| LINE | | | N 44°39'01.2" E | 5.15 | | | | | |
| PC | 759258.177 | 2560771.457 | | | | | | | |
| CURVE | | | N 44°59'05.8" E | 66.93 | 00°40'09.4"(RT) | 01°00'00.0" | 66.93 | 33.46 | 5729.58 |
| PT | 759305.514 | 2560818.768 | | | | | | | |
| LINE | | | N 45°19'10.5" E | 570.82 | | | | | |
| PC | 759706.889 | 2561224.647 | | | | | | | |
| CURVE | | | N 45°17'28.6" E | 22.65 | 00°03'23.9"(L.T) | 00°15'00.0" | 22.65 | 11.33 | 22918.31 |
| PT | 759722.824 | 2561240.744 | | | | | | | |
| LINE | | | N 45°15'46.7" E | 2894.03 | | | | | |
| PC | 761759.800 | 2563296.504 | | | | | | | |
| CURVE | | | N 45°25'52.7" E | 44.89 | 00°20'12.0"(RT) | 00°45'00.0" | 44.89 | 22.44 | 7639.44 |
| PT | 761791.302 | 2563328.484 | | | | | | | |
| LINE | | | N 45°35'58.7" E | 58.93 | | | | | |
| PC | 761832.535 | 2563370.590 | | | | | | | |
| CURVE | | | N 44°59'30.1" E | 486.34 | 01°12'57.2"(L.T) | 00°15'00.0" | 486.35 | 243.19 | 22918.31 |
| PT | 762176.482 | 2563714.436 | | | | | | | |
| LINE | | | N 44°23'01.5" E | 181.36 | | | | | |
| PC | 762306.094 | 2563841.290 | | | | | | | |
| CURVE | | | N 44°46'15.6" E | 154.89 | 00°46'28.1"(RT) | 00°30'00.0" | 154.90 | 77.45 | 11459.16 |
| PT | 762416.058 | 2563950.379 | | | | | | | |
| LINE | | | N 45°09'29.6" E | 59.27 | | | | | |
| PC | 762457.854 | 2563992.406 | | | | | | | |
| CURVE | | | N 45°02'15.2" E | 48.27 | 00°14'28.9"(L.T) | 00°30'00.0" | 48.27 | 24.13 | 11459.16 |
| PT | 762491.964 | 2564026.560 | | | | | | | |
| LINE | | | N 44°55'00.8" E | 1262.80 | | | | | |
| PC | 763386.193 | 2564918.199 | | | | | | | |
| CURVE | | | N 45°11'29.8" E | 109.89 | 00°32'58.1"(RT) | 00°30'00.0" | 109.89 | 54.95 | 11459.16 |
| PT | 763463.638 | 2564996.164 | | | | | | | |
| LINE | | | N 45°27'58.8" E | 89.09 | | | | | |
| PC | 763526.117 | 2565059.668 | | | | | | | |
| CURVE | | | N 44°46'39.5" E | 275.48 | 01°22'38.7"(L.T) | 00°30'00.0" | 275.48 | 137.75 | 11459.16 |
| PT | 763721.663 | 2565253.702 | | | | | | | |
| LINE | | | N 44°05'20.1" E | 1175.77 | | | | | |
| POT | 764566.175 | 2566071.774 | | | | | | | |

| EY1 POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|-----------|------------|-------------|-----------------|--------|-----------------|-------------|--------|--------|---------|
| POT | 738607.026 | 2524076.489 | | | | | | | |
| LINE | | | S 33°51'19.9" E | 358.29 | | | | | |
| PC | 738309.488 | 2524276.091 | | | | | | | |
| CURVE | | | S 31°01'00.6" E | 206.37 | 05°40'38.7"(RT) | 02°45'00.0" | 206.45 | 103.31 | 2083.48 |
| PT | 738132.628 | 2524382.430 | | | | | | | |
| LINE | | | S 28°10'41.2" E | 2.92 | | | | | |
| PC | 738130.053 | 2524383.809 | | | | | | | |
| CURVE | | | S 24°45'39.2" E | 170.76 | 06°50'04.1"(RT) | 04°00'00.0" | 170.86 | 85.53 | 1432.39 |
| PT | 737974.992 | 2524455.329 | | | | | | | |
| LINE | | | S 21°20'37.1" E | 31.92 | | | | | |
| PC | 737945.259 | 2524466.947 | | | | | | | |
| CURVE | | | S 18°15'07.3" E | 206.01 | 06°10'59.7"(RT) | 03°00'00.0" | 206.11 | 103.15 | 1909.86 |
| PT | 737749.616 | 2524531.469 | | | | | | | |
| LINE | | | S 15°09'37.4" E | 63.72 | | | | | |
| PC | 737688.114 | 2524548.133 | | | | | | | |
| CURVE | | | S 11°04'32.0" E | 163.26 | 08°10'10.9"(RT) | 05°00'00.0" | 163.39 | 81.84 | 1145.92 |
| PT | 737527.899 | 2524579.495 | | | | | | | |
| LINE | | | S 06°59'26.5" E | 83.27 | | | | | |
| PC | 737445.248 | 2524589.629 | | | | | | | |
| CURVE | | | S 05°44'09.2" E | 91.25 | 02°30'34.5"(RT) | 02°45'00.0" | 91.26 | 45.64 | 2083.48 |
| PT | 737354.454 | 2524598.749 | | | | | | | |
| LINE | | | S 04°28'52.0" E | 408.83 | | | | | |
| PC | 736946.874 | 2524630.691 | | | | | | | |
| CURVE | | | S 04°21'45.6" E | 23.69 | 00°14'12.7"(RT) | 01°00'00.0" | 23.69 | | |