

# SURVEY CONTROL SHEET

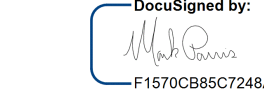
## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

I, Mark A. Parris, PLS, certify that the Project Control was 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: Static, OPUS, RTN  
Dates of survey: 2/2020-3/2020  
Datum/Epoch: 2010.0000  
Published/Fixed-control use: N/A  
Localized around: A0009C-10  
Northing: 612531.117  
Easting: 584817.003  
Combined grid factor: 0.999772236  
Geoid model: 18 CONUS  
Units: English

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 3/2020 to 5/2020, 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 21st day of December, 2020.



Professional Land Surveyor L-4529

PROJECT REFERENCE NO.	SHEET NO.
A-0009-C	RW02C-57
Location and Surveys	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

POINT	DESC.	NORTH	EAST	ELEVATION
B40	BL - 40	617874.8580	589687.9530	2353.90
101	BY25-101	618094.3990	589858.2180	2361.85
102	BY25-102	618463.3860	589933.2950	2375.42
103	BY25-103	618773.9610	590049.0190	2397.53
104	BY25-104	618852.4600	590231.3830	2421.71
105	BY25-105	619074.5250	590376.8040	2435.57
106	BY25-106	619127.6290	590572.0890	2449.68
107	BY25-107	619223.1130	590671.1520	2459.21
108	BY25-108	619426.6460	590723.2200	2470.81
109	BY25-109	619592.5040	590924.7330	2489.75
110	BY25-110	619780.3410	590959.9380	2500.97
111	BY25-111	619891.7040	591079.8550	2520.42
112	BY25-112	620091.3970	591018.2560	2533.21
113	BY25-113	620152.7280	591158.2880	2553.95
114	BY25-114	620295.9930	591222.2840	2569.85
115	BY25-115	620440.2020	591197.9380	2584.80
B45	BL - 45	620597.1760	591057.1780	2599.60

POINT	DESC.	NORTH	EAST	ELEVATION
153	BY28-153	624417.1610	597608.9850	2263.12
154	BY28-154	624325.8510	597917.7750	2239.15
155	BY28-155	624278.9330	598098.4640	2225.72
156	BY28-156	624314.9970	598370.3740	2206.90
157	BY28-157	624189.9470	598694.1370	2184.02
158	BY28-158	624094.7480	598887.8720	2173.67
159	BY28-159	624069.7320	599157.9850	2162.39
YY133	BY27-133	623951.4930	599326.2620	2177.41

POINT	DESC.	NORTH	EAST	ELEVATION
160	BY31-160	623371.8520	601893.1250	2051.44
161	BY31-161	623169.7250	602151.7110	2030.72
162	BY31-162	623029.9760	602213.0550	2023.15
Y138	BY27-138	622916.3840	602164.6920	2021.20

POINT	DESC.	NORTH	EAST	ELEVATION
116	BY27-116	627668.7710	595746.1540	2396.26
117	BY27-117	627326.8000	595877.6660	2423.89
118	BY27-118	627008.2080	596006.2820	2451.34
119	BY27-119	626682.7130	596209.7880	2482.85
120	BY27-120	626363.1360	596498.3810	2514.49
YGPS20	A0009C-20	626011.6230	596470.4230	2510.58
121	BY27-121	625776.6740	596555.8310	2502.81
122	BY27-122	625496.1090	596516.2830	2484.55
123	BY27-123	625187.5690	596523.0380	2464.13
124	BY27-124	624993.6440	596480.9010	2451.73
125	BY27-125	624688.4920	596531.7970	2427.37
126	BY27-126	624381.8220	596676.0270	2401.29
127	BY27-127	624086.8430	596954.9890	2369.62
128	BY27-128	623916.0190	597303.6880	2338.16
129	BY27-129	623901.6750	597674.7440	2307.40
130	BY27-130	623923.5590	598192.9300	2266.46
131	BY27-131	623940.6670	598571.9230	2236.14
132	BY27-132	623956.8800	598922.7950	2207.83
133	BY27-133	623951.4930	599326.2620	2177.41
134	BY27-134	623822.0140	599570.4980	2153.60
GPS21	A0009C-21	623606.0530	599868.7320	2122.69
135	BY27-135	623071.7070	600405.2240	2080.82
136	BY27-136	622910.5300	600884.0640	2063.26
137	BY27-137	622916.7800	601599.8220	2037.15
138	BY27-138	622916.3840	602164.6920	2021.20
139	BY27-139	622957.2640	602736.5220	2012.03
140	BY27-140	622929.6210	603417.6160	1997.79
GPS23	NCGS "STECOAH"	622976.4500	603945.8670	1988.16
141	BY27-141	622938.6050	604456.0790	1978.34
142	BY27-142	622940.8330	605087.6130	1966.33
143	BY27-143	623053.9380	605538.9120	1958.94
144	BY27-144	623316.9250	606070.0410	1975.21
145	BY27-145	623582.7310	606398.6840	2000.07
146	BY27-146	623836.6670	606805.8240	2032.90
147	BY27-147	623961.9320	607208.1130	2055.75
148	BY27-148	623945.1160	607549.4850	2064.37
149	BY27-149	623769.6940	607845.3930	2068.27
150	BY27-150	623659.4710	608229.4840	2063.54
151	BY27-151	623714.6670	608713.6890	2041.99
152	BY27-152	623896.7650	609047.4660	2018.05
GPS25	A0009C-25	624253.0900	609365.0450	1986.82

POINT	DESC.	NORTH	EAST	ELEVATION
YGPS23	NCGS "STECOAH"	622976.4500	603945.8670	1988.16
163	BY32-163	623189.2390	604079.3270	1991.07
164	BY32-164	623535.8830	604485.6710	2006.37
165	BY32-165	623766.7880	604751.7330	2005.72

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 BM1 ELEVATION = 1993.80  
 N 607747 E 568452  
 SPIKE NAIL IN 18" MAPLE  
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 BM2 ELEVATION = 2015.91  
 N 607797 E 569652  
 CHISELED "X" IN CONC PAD FOR TRAFFIC SIGNAL BOX  
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 BM3 ELEVATION = 2016.23  
 N 607058 E 571713  
 SPIKE NAIL IN 10" POPLAR  
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 BM4 ELEVATION = 2108.41  
 N 607414 E 573959  
 SPIKE NAIL IN 14" PINE  
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 BM5 ELEVATION = 2132.48  
 N 607421 E 576156  
 SPIKE NAIL IN 15" DOUBLE OAK  
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 BM6 ELEVATION = 2100.03  
 N 609056 E 577733  
 SPIKE NAIL IN 24" WHITE OAK  
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 BM7 ELEVATION = 2125.10  
 N 609693 E 579533  
 SPIKE NAIL IN 20" POPLAR  
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 BM8 ELEVATION = 2148.72  
 N 610368 E 581380  
 SPIKE NAIL IN 14" POPLAR  
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 BM9 ELEVATION = 2183.22  
 N 611767 E 583110  
 SPIKE NAIL IN 30" MAPLE  
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 BM10 ELEVATION = 2200.60  
 N 612773 E 584352  
 SPIKE NAIL IN 14" DOUBLE POPLAR  
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 BM11 ELEVATION = 2234.92  
 N 613603 E 586710  
 SPIKE NAIL IN 18" POPLAR  
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 BM12 ELEVATION = 2269.68  
 N 614929 E 588131  
 SPIKE NAIL IN 15" POPLAR  
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 BM13 ELEVATION = 2313.25  
 N 616593 E 589377  
 SPIKE NAIL IN 24" POPLAR  
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 BM14 ELEVATION = 2410.76  
 N 618630 E 589915  
 SPIKE NAIL IN 14" POPLAR  
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 BM15 ELEVATION = 2571.99  
 N 620243 E 591023  
 SPIKE NAIL IN 10" POPLAR  
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 BM16 ELEVATION = 2715.81  
 N 621413 E 592250  
 SPIKE NAIL IN 13" PINE  
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 BM17 ELEVATION = 2882.87  
 N 621951 E 593832  
 SPIKE NAIL IN 12" POPLAR  
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 BM18 ELEVATION = 3033.61  
 N 619882 E 593172  
 SPIKE NAIL IN 10" POPLAR  
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 BM19 ELEVATION = 3094.55  
 N 619399 E 594281  
 SPIKE NAIL IN 24" MAPLE  
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 BM20 ELEVATION = 2982.50  
 N 620695 E 595078  
 SPIKE NAIL IN 20" POPLAR  
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 BM21 ELEVATION = 2806.49  
 N 622539 E 596717  
 SPIKE NAIL IN 24" PRINCESS TREE  
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 BM22 ELEVATION = 2715.62  
 N 623495 E 595954  
 SPIKE NAIL IN 12" POPLAR  
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 BM23 ELEVATION = 2523.73  
 N 625892 E 596342  
 SPIKE NAIL IN 15" POPLAR  
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 BM24 ELEVATION = 1989.37  
 N 608121 E 567911  
 BOLT IN MCDONALDS SIGN BASE  
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 BM25 ELEVATION = 2027.51  
 N 604128 E 568732  
 SPIKE NAIL IN 18" WALNUT  
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 BM26 ELEVATION = 2018.64  
 N 606947 E 567547  
 SPIKE NAIL IN SYCAMORE  
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 BM27 ELEVATION = 2011.45  
 N 606635 E 568845  
 SPIKE NAIL IN 12" POPLAR  
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 BM28 ELEVATION = 2360.04  
 N 618106 E 589822  
 SPIKE NAIL IN 14" POPLAR  
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 BM29 ELEVATION = 2368.94  
 N 627954 E 595589  
 SPIKE NAIL IN 18" POPLAR  
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 BM30 ELEVATION = 2373.76  
 N 624052 E 596958  
 SPIKE NAIL IN 30" POPLAR  
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 BM31 ELEVATION = 2178.05  
 N 623982 E 599277  
 SPIKE NAIL IN 26" POPLAR  
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 BM32 ELEVATION = 2055.94  
 N 622874 E 600916  
 SPIKE NAIL IN 36" POPLAR  
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 BM33 ELEVATION = 2011.30  
 N 622984 E 602906  
 SPIKE NAIL IN 10" POPLAR  
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 BM34 ELEVATION = 1956.92  
 N 623016 E 605233  
 SPIKE NAIL IN 18" WALNUT  
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 BM35 ELEVATION = 2036.22  
 N 623779 E 606834  
 SPIKE NAIL IN 12" DOUBLE POPLAR  
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 BM36 ELEVATION = 2022.34  
 N 623959 E 608884  
 SPIKE NAIL IN 24" POPLAR  
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 BM37 ELEVATION = 2238.93  
 N 624326 E 597907  
 SPIKE NAIL IN 12" TRIPLE POPLAR  
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 BM38 ELEVATION = 2021.11  
 N 622788 E 602130  
 SPIKE NAIL SET IN 6X6 BRIDGE BEAM  
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 BM39 ELEVATION = 2056.76  
 N 623380 E 601878  
 SPIKE NAIL SET IN 36" DOUBLE SYCAMORE  
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 BM40 ELEVATION = 2001.31  
 N 623696 E 604730  
 SPIKE NAIL IN 30" POPLAR  
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 BM41 ELEVATION = 2063.76  
 N 624033 E 607585  
 SPIKE NAIL IN 22" POPLAR  
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### 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.

REVISIONS

22-NOV-2021/145 V:\NC\Survey\032112-21-A-0009CA ROW Stationing\Survey\RW and Control Sheets\A-0009CB\A0009CB-1s-RW02C-57.dgn

At WKS-1503BY-5 Jcgordon