

# SURVEY CONTROL SHEET

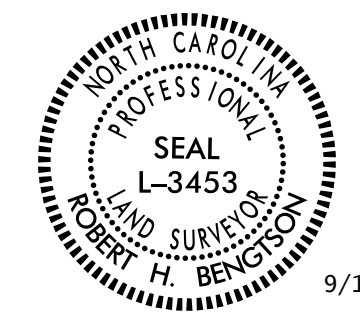
## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
BR0070	RW02C-5

### Location and Surveys

**Dewberry**  
Dewberry Engineers Inc.  
551 PINEY FOREST ROAD  
DANVILLE, VA 24540  
PHONE: 434.797.4497  
FAX: 434.797.4341  
NCBELS #F-0829

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Robert H. Bengtson, 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: STATIC  
Dates of survey: 2/8/18 - 2/9/18  
Datum/Epoch: NAD 83/ NA2011  
Published/Fixed-control use: NGS GATEWOOD FY2327  
Localized around: R5822-5  
Northing: 996401.526  
Easting: 1887615.540  
Combined grid factor: 1.00008494  
Geoid model: G12NC  
Units: SURVEY FEET

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 2/14/18 to 2/20/18, 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 15th day of September, 2022.

DocuSigned by:  
**Robert H. Bengtson**  
FA07E7C42884E1  
Professional Land Surveyor L-3453

### BASELINE CONTROL

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		R5822-1	1014330.2710	1882450.5430	630.29
2		R5822-2	1012792.1090	1882655.9750	618.84
11		BL-11	1011968.1630	1882977.6560	610.21
12		BL-12	1010916.0700	1883256.1670	584.88
13		BL-13	1009671.6680	1883642.0710	559.64
14		BL-14	1008820.8410	1883929.2800	511.82
3		R5822-3	1007752.4660	1884258.0300	457.77
4		R5822-4	1005746.7620	1884883.7840	444.08
15		BL-15	1004792.2760	1885167.3190	437.54
16		BL-16	1003738.0560	1885472.4970	418.87
17		BL-17	1002624.7700	1885792.0660	418.29
18		BL-18	1001456.6170	1886142.0010	456.31
19		BL-19	1000408.6280	1886448.9570	476.10
20		BL-20	999288.9173	1886770.4050	495.26
21		BL-21	998199.8815	1887092.8380	511.81
22		BL-22	996961.8590	1887457.2090	537.57
5		R5822-5	996401.5260	1887615.5400	526.51
6		R5822-6	993829.2339	1888362.7900	446.52

BY	POINT	DESC.	NORTH	EAST	ELEVATION
23		BY-23	996428.9973	1886938.6140	560.91
24		BY-24	996668.2560	1887220.7670	552.36
22		BL-22	996961.8590	1887457.2090	537.57
25		BY-25	997574.1935	1887584.1030	542.19
26		BY-26	997956.4100	1887773.0610	548.17
27		BY-27	998266.4631	1888066.9660	547.28

### BENCHMARKS

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BM1 ELEVATION = 561.96  
N 1010447 E 1883326  
BL STATION 44+93.00 72 RIGHT  
CHISELED SQR IN S END OF HW  
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BM6 ELEVATION = 430.06  
N 1002405 E 1885941  
BL STATION 129+49.00 80 LEFT  
RR SPIKE IN A 24"POPLAR  
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BM2 ELEVATION = 510.36  
N 1008839 E 1884048  
BL STATION 62+43.00 119 LEFT  
RR SPIKE IN A 12"GUM  
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BM7 ELEVATION = 481.97  
N 1000054 E 1886436  
BL STATION 153+44.00 110 RIGHT  
RR SPIKE IN A 20"MAPLE  
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BM3 ELEVATION = 454.13  
N 1006267 E 1884784  
BL STATION 89+18.00 59 LEFT  
RR SPIKE IN A 12"OAK  
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BM8 ELEVATION = 510.46  
N 998353 E 1886890  
BL STATION 171+03.00 151 RIGHT  
SW CORNER OF SPETIC TANK LID  
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BM4 ELEVATION = 431.44  
N 1004955 E 1885157  
BL STATION 102+82.00 37 LEFT  
RR SPIKE IN A 24"BEECH  
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BM9 ELEVATION = 516.65  
N 996101 E 1887630  
BL STATION 194+74.00 70 RIGHT  
RR SPIKE IN A 15"OAK  
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BM5 ELEVATION = 415.20  
N 1002870 E 1885682  
BL STATION 124+30.00 38 RIGHT  
CHISELED X WITH NAIL IN NW CORNER  
BRIDGE OVER HOGANS CREEK  
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### 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