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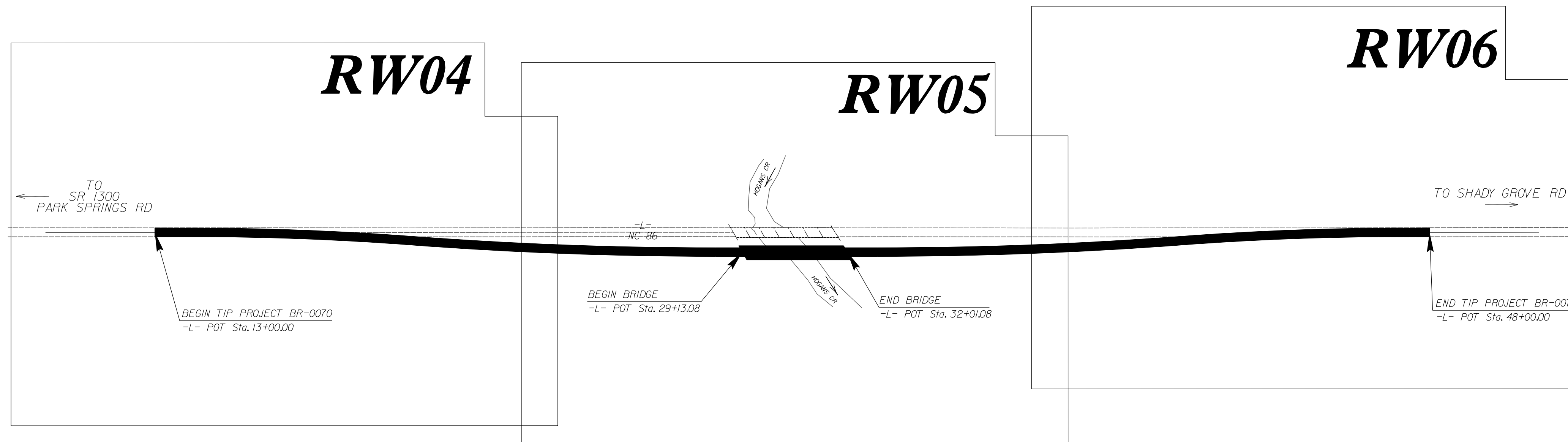
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TIP PROJECT: BR-0070

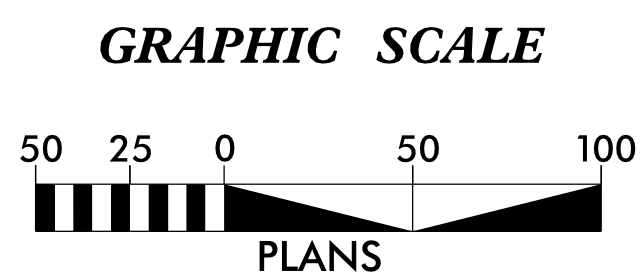
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR0070	RW01	

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 SURVEY CONTROL, EXISTING CENTERLINES,
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

CASWELL COUNTY



15-SEP-2022 09:20 P:\150154430\CAD\Surf\MICROSTATION\C SHEETS\BR0070.LS-RW01-220916.dgn D:\150154430\CAD\Surf\MICROSTATION\C SHEETS\BR0070.LS-RW01-220916.dgn



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R5822-5" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 996401.526(ft) EASTING: 1887615.540(ft) ELEVATION: 526.51(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.00008494 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R5822-4" TO -L- STATION 51+00.00 IS S 15°-01'50" E 1042.74(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88 / GEOID G12NC

Prepared in the Office of:

Dewberry
 Dewberry Engineers Inc.
 551 PINEY FOREST ROAD
 DANVILLE, VA 24540
 PHONE: 434.797.4487
 FAX: 434.797.4341
 NCBELS #F-0929

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: 01/18/2022

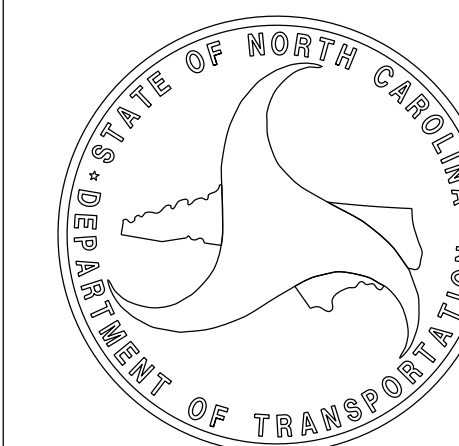
LETTING DATE: 01/17/2023



PROFESSIONAL LAND SURVEYOR



DocuSigned by: Robert H. Bengtson

Date: 9/15/2022



PROJECT REFERENCE NO. BR0070	SHEET NO. RW02C-1
Location and Surveys	
 Dewberry Engineers Inc. <small>551 PINEY FOREST ROAD DANVILLE, VA 24540 PHONE: 434.797.4497 FAX: 434.797.4341 NCBELS #F-0929</small>	
PROJECT SURVEYOR  <small>9/15/2022</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

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
 Professional Land Surveyor L-3453

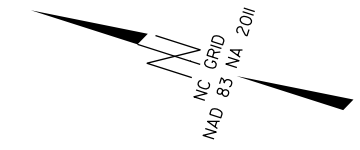
-GPS- R5822-1

-GPS- R5822-2

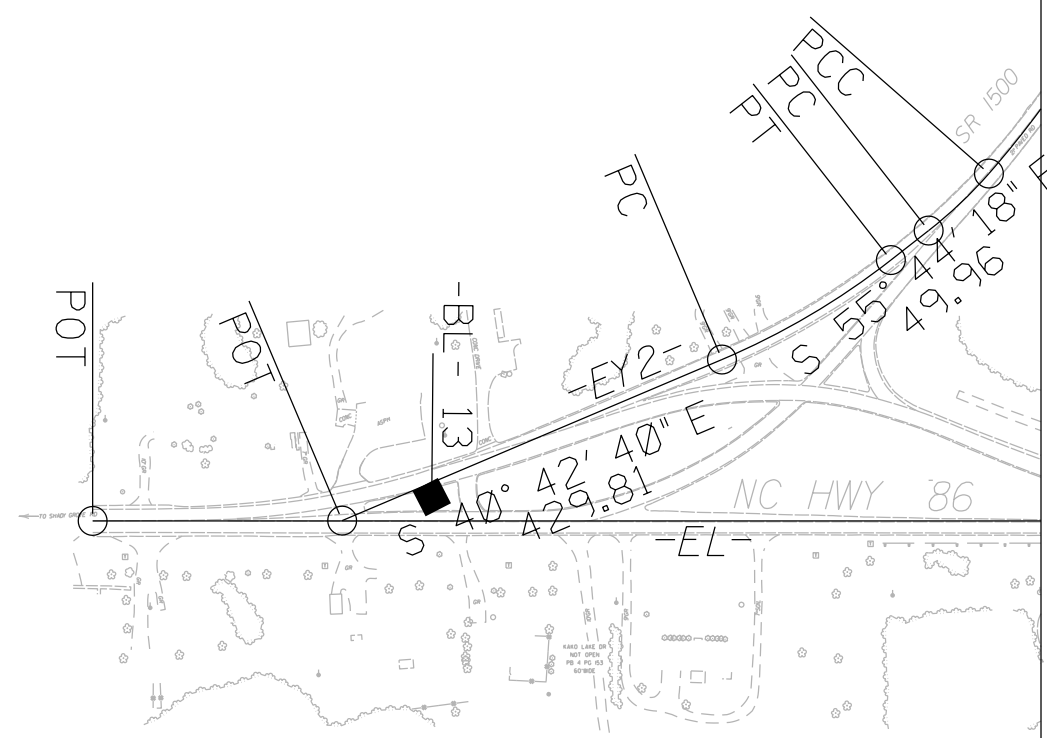
-BL- 11

-BL- 12

-BL- 13



BMI



MATCHLINE 19 + 88.02 RW02C-2



SEE SHEET RW02C-6
 FOR FURTHER
 ALIGNMENT DETAILS

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.

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. BR0070	SHEET NO. RW02C-2
Location and Surveys	
 Dewberry Dewberry Engineers Inc. <small>551 PINEY FOREST ROAD DANVILLE, VA 24540 PHONE: 434.797.4497 FAX: 434.797.4341 NCBELS #F-0929</small>	
PROJECT SURVEYOR  <small>9/15/2022</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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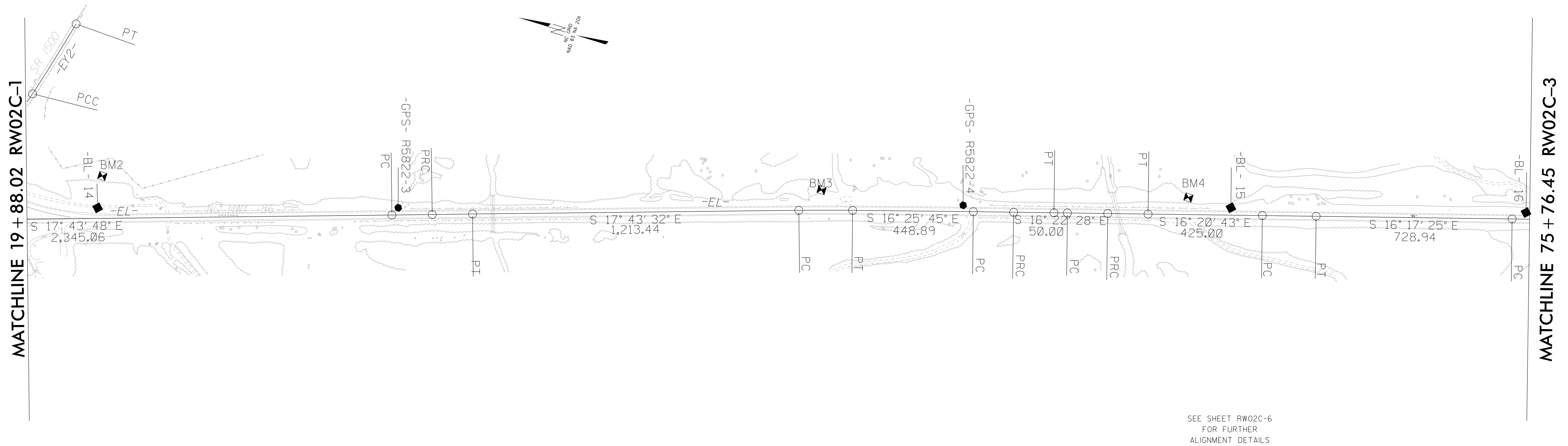
Class of survey: **AA**
 Type of GPS field procedure: **STATIC**
 Dates of survey: 2/8/18 - 2/9/18
 Datum/Epoch: NAD 83/ NA2011
 Published/Fixed-control use: NGS GATEWOOD FY2327
 Localized around: R5822-5
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This 15th day of September, 2022.

DocuSigned by:

 Robert H. Bengtson
 Professional Land Surveyor L-3453





SEE SHEET RW02C-6
FOR FURTHER
ALIGNMENT DETAILS

NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

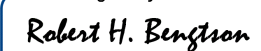
PROJECT REFERENCE NO. BR0070	SHEET NO. RW02C-4
Location and Surveys	
 Dewberry Engineers Inc. <small>551 PINEY FOREST ROAD DANVILLE, VA 24540 PHONE: 434.797.4487 FAX: 434.797.4341 NCBELS #F-0929</small>	
PROJECT SURVEYOR  <small>9/15/2022</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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:

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 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
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This 15th day of September, 2022.

DocuSigned by:

EAT7BE7CA3884F1

Professional Land Surveyor L-3453



SEE SHEET RW02C-6
 FOR FURTHER
 ALIGNMENT DETAILS

NOTES:

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REVISIONS

I5-SEP-2022 08:00 Sur\MICROSTATION\C SHEETS\BR0070-LS-RW02C-4-220916.dgn
 P: 50154430 NC
 bpowell AT PF25GW4R

SURVEY CONTROL SHEET

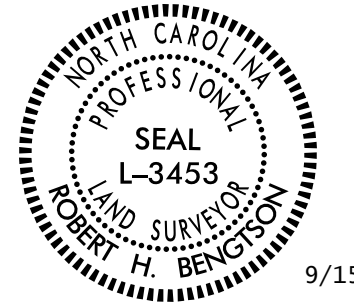
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

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:

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Localized around: R5822-5
Northing: 996401.526
Easting: 1887615.540
Combined grid factor: 1.00008494
Geoid model: G12NC
Units: SURVEY FEET

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This 15th day of September, 2022.

DocuSigned by:
Robert H. Bengtson
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

BM1 ELEVATION = 561.96
N 1010447 E 1883326
BL STATION 44+93.00 72 RIGHT
CHISELED SQR IN S END OF HW

BM6 ELEVATION = 430.06
N 1002405 E 1885941
BL STATION 129+49.00 80 LEFT
RR SPIKE IN A 24"POPLAR

BM2 ELEVATION = 510.36
N 1008839 E 1884048
BL STATION 62+43.00 119 LEFT
RR SPIKE IN A 12"GUM

BM7 ELEVATION = 481.97
N 1000054 E 1886436
BL STATION 153+44.00 110 RIGHT
RR SPIKE IN A 20"MAPLE

BM3 ELEVATION = 454.13
N 1006267 E 1884784
BL STATION 89+18.00 59 LEFT
RR SPIKE IN A 12"OAK

BM8 ELEVATION = 510.46
N 998353 E 1886890
BL STATION 171+03.00 151 RIGHT
SW CORNER OF SPETIC TANK LID

BM4 ELEVATION = 431.44
N 1004955 E 1885157
BL STATION 102+82.00 37 LEFT
RR SPIKE IN A 24"BEECH

BM9 ELEVATION = 516.65
N 996101 E 1887630
BL STATION 194+74.00 70 RIGHT
RR SPIKE IN A 15"OAK

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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REVISIONS

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. BR0070	SHEET NO. RW02C-6
Location and Surveys	
 Dewberry Engineers Inc. <small>551 PINEY FOREST ROAD DANVILLE, VA 24540 PHONE: 434.797.4497 FAX: 434.797.4341 NCBELS #F-0929</small>	
PROJECT SURVEYOR SEAL L-3453 ROBERT H. BENGTSON 9/15/2022	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	1010000.663	1883511.010							
LINE			S 17°43'48.3" E	2345.06					
PC	1007766.989	1884225.160							
CURVE			S 17°49'27.4" E	150.01	00°11'18.2"(LT)	00°07'32.1"	150.01	75.01	45622.66
PCC	1007624.179	1884271.078							
CURVE			S 17°49'19.5" E	150.01	00°11'34.1"(RT)	00°07'42.7"	150.01	75.01	44579.21
PT	1007481.368	1884316.990							
LINE			S 17°43'32.5" E	1213.44					
PC	1006325.531	1884686.435							
CURVE			S 17°04'38.5" E	199.99	01°17'48.0"(RT)	00°38'54.1"	199.99	100.00	8837.10
PT	1006134.362	1884745.164							
LINE			S 16°25'44.5" E	448.89					
PC	1005703.804	1884872.121							
CURVE			S 16°18'31.2" E	150.00	00°14'26.6"(RT)	00°09'37.7"	150.00	75.00	35702.61
PCC	1005559.839	1884914.243							
CURVE			S 16°16'53.1" E	150.00	00°11'10.3"(LT)	00°07'26.9"	150.00	75.00	46155.49
PT	1005415.855	1884956.296							
LINE			S 16°22'28.2" E	50.00					
PC	1005367.883	1884970.392							
CURVE			S 16°16'31.8" E	150.00	00°11'52.9"(RT)	00°07'55.3"	150.00	75.00	43399.53
PCC	1005223.894	1885012.431							
CURVE			S 16°15'39.0" E	150.00	00°10'07.3"(LT)	00°06'44.8"	150.00	75.00	50948.73
PT	1005079.894	1885054.432							
LINE			S 16°20'42.6" E	425.00					
PC	1004672.071	1885174.037							
CURVE			S 16°19'04.0" E	200.00	00°03'17.2"(RT)	00°01'38.6"	200.00	100.00	209178.46
PT	1004480.128	1885230.230							
LINE			S 16°17'25.4" E	728.94					
PC	1003780.452	1885434.702							
CURVE			S 16°15'45.0" E	200.00	00°03'20.8"(RT)	00°01'40.4"	200.00	100.00	205426.52
PT	1003588.454	1885490.710							
LINE			S 16°14'04.6" E	408.19					
PC	1003196.536	1885604.829							
CURVE			S 16°15'00.6" E	200.00	00°01'52.1"(LT)	00°00'56.0"	200.00	100.00	368055.56
PT	1003004.526	1885660.796							
LINE			S 16°15'56.7" E	4280.85					
PC	998895.028	1886859.830							
CURVE			S 16°18'18.1" E	100.00	00°04'42.9"(LT)	00°04'42.9"	100.00	50.00	72922.55
PT	998799.050	1886887.905							
LINE			S 16°20'39.5" E	574.96					
PC	998247.325	1887049.704							
CURVE			S 15°47'40.4" E	50.05	01°05'58.3"(RT)	02°11'49.4"	50.05	25.02	2607.86
PCC	998199.169	1887063.326							
CURVE			S 15°45'18.9" E	50.00	01°01'15.5"(LT)	02°02'31.1"	50.00	25.00	2805.90
PT	998151.049	1887076.902							
LINE			S 16°15'56.7" E	675.00					
PC	997503.068	1887265.964							
CURVE			S 16°16'52.5" E	100.00	00°01'51.7"(LT)	00°01'51.7"	100.00	50.00	184702.07
PT	997407.078	1887294.000							
LINE			S 16°17'48.3" E	599.99					
PC	996831.193	1887462.365							
CURVE			S 16°14'01.1" E	100.00	00°07'34.6"(RT)	00°07'34.6"	100.00	50.00	45377.45
PT	996735.180	1887490.321							
LINE			S 16°10'13.8" E	300.01					
POT	996447.038	1887573.872							

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:

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 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
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 Units: SURVEY FEET

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This 15th day of September, 2022.

DocuSigned by:

 Robert H. Bengtson
 Professional Land Surveyor L-3453



NOTES:

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REVISIONS

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. BR0070	SHEET NO. RW02C-7
Location and Surveys	
 <small>Dewberry Engineers Inc. 551 PINEY FOREST ROAD DANVILLE, VA 24540 PHONE: 434.797.4497 FAX: 434.797.4341 NCBELS #F-0929</small>	
 <small>PROJECT SURVEYOR 9/15/2022</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EY POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	996468.553	1886947.401							
CURVE			N 52°02'51.4" E	151.64	03°36'58.0"(LT)	02°23'03.5"	151.66	75.86	2403.05
PT	996561.812	1887066.971							
LINE			N 50°14'22.4" E	4.51					
PC	996564.695	1887070.437							
CURVE			N 47°10'14.2" E	57.87	06°08'16.3"(LT)	10°36'06.3"	57.89	28.98	540.44
PCC	996604.034	1887112.876							
CURVE			N 39°02'51.4" E	133.25	10°06'29.2"(LT)	07°34'34.2"	133.42	66.88	756.26
PCC	996707.517	1887196.817							
CURVE			N 29°02'29.7" E	58.90	09°54'14.2"(LT)	16°47'42.7"	58.97	29.56	341.14
PT	996759.007	1887225.407							
LINE			N 24°05'22.6" E	31.65					
PC	996787.897	1887238.324							
CURVE			N 34°05'22.6" E	198.99	20°00'00.0"(RT)	10°00'00.0"	200.00	101.03	572.96
PT	996952.690	1887349.854							
LINE			N 44°05'22.6" E	85.00					
POT	997013.742	1887408.995							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	997020.193	1887407.664							
LINE			N 43°02'58.6" E	28.00					
PC	997040.654	1887426.777							
CURVE			N 27°58'07.5" E	186.34	30°09'42.3"(LT)	16°00'00.0"	188.51	96.49	358.10
PCC	997205.232	1887514.170							
CURVE			N 12°12'09.8" E	127.17	01°22'13.1"(LT)	01°04'39.1"	127.17	63.59	5317.36
PT	997329.528	1887541.050							
LINE			N 11°31'03.2" E	29.68					
PC	997358.609	1887546.976							
CURVE			N 12°25'37.2" E	106.47	01°49'08.1"(RT)	01°42'30.0"	106.47	53.24	3353.89
PCC	997462.582	1887569.887							
CURVE			N 21°26'39.4" E	406.42	16°12'56.2"(RT)	03°58'35.5"	407.78	205.26	1440.85
PCC	997840.871	1887718.474							
CURVE			N 32°16'24.9" E	117.97	05°26'34.8"(RT)	04°36'43.9"	118.01	59.05	1242.26
PT	997940.615	1887781.465							
LINE			N 34°59'42.3" E	78.01					
PC	998004.524	1887826.206							
CURVE			N 37°34'19.5" E	65.97	05°09'14.5"(RT)	07°48'37.4"	65.99	33.02	733.58
PCC	998056.809	1887866.430							
CURVE			N 40°37'03.8" E	71.99	00°56'14.0"(RT)	01°18'06.7"	71.99	36.00	4401.08
PCC	998111.454	1887913.297							
CURVE			N 47°16'13.1" E	144.54	12°22'04.7"(RT)	08°32'24.7"	144.82	72.69	670.90
PT	998209.530	1888019.470							

EY2 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	1009753.170	1883590.490							
LINE			S 40°42'39.7" E	429.81					
PC	1009427.371	1883870.830							
CURVE			S 48°13'29.1" E	204.21	15°01'38.8"(LT)	07°20'16.1"	204.79	102.99	780.83
PT	1009291.325	1884023.121							
LINE			S 55°44'18.5" E	49.96					
PC	1009263.198	1884064.414							
CURVE			S 61°07'39.3" E	86.43	10°46'41.6"(LT)	12°27'08.1"	86.56	43.41	460.12
PCC	1009221.465	1884140.100							
CURVE			S 70°11'39.1" E	131.53	07°21'18.0"(LT)	05°35'17.2"	131.62	65.90	1025.31
PCC	1009176.899	1884263.848							
CURVE			S 75°10'54.7" E	306.43	02°37'13.3"(LT)	00°51'18.2"	306.46	153.26	6700.89
PT	1009098.528	1884560.088							

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:

 EAT9E7CA3388F1
 Professional Land Surveyor L-3453



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

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PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. BR0070	SHEET NO. RW02D-1
Location and Surveys	
 Dewberry Engineers Inc. <small>551 PINEY FOREST ROAD DANVILLE, VA 24540 PHONE: 434.797.4497 FAX: 434.797.4341 NCBELS #F-0929</small>	
PROJECT SURVEYOR  9/15/2022	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Robert H. Bengtson, PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This 15th day of September, 2022.

DocuSigned by:

 Robert H. Bengtson
EAT9E7CA33894F1...
 Professional Land Surveyor L-3453

TYPE	STATION	NORTH	EAST
POT	10+00.00	1000806.4924	1886302.1193
PC	14+00.00	1001190.4816	1886190.0822
PRC	20+05.27	1001777.3438	1886042.5158
PT	28+38.84	1002585.5536	1885839.2915
PC	32+84.99	1003013.8499	1885714.3269
PT	41+18.40	1003804.3886	1885451.0941
PC	41+18.40	1003804.3886	1885451.0941
PT	47+20.09	1004375.0911	1885260.9257
PC	48+29.52	1004480.1276	1885230.2300
PT	50+29.52	1004672.0712	1885174.0371
POT	51+00.00	1004739.7008	1885154.2030



REVISIONS

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NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE PROPOSED ALIGNMENT 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.

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. BR0070	SHEET NO. RW03E-1
Location and Surveys	
 Dewberry Engineers Inc. <small>551 PINEY FOREST ROAD DANVILLE, VA 24040 PHONE: 434.797.4497 FAX: 434.797.4341 NCBELS #F-0929</small>	
PROJECT SURVEYOR  9/15/2022	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Robert H. Bengtson, 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 9/6/22 to 9/12/22, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 15th day of September, 2022.


 Robert H. Bengtson
 Professional Land Surveyor L-3453

REVISIONS

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	12+50.00	-75.00	1001025.4787	1886160.0981
L	13+50.00	-115.00	1001110.2723	1886093.6899
L	14+25.00	-75.04	1001193.6974	1886111.0167
L	16+50.00	71.16	1001449.3249	1886192.6863
L	18+50.00	110.00	1001650.6323	1886183.3138
L	20+50.00	60.00	1001833.7538	1886091.8016
L	21+00.00	105.00	1001892.5690	1886125.0155
L	21+75.00	105.00	1001966.4419	1886108.4413
L	23+25.00	50.00	1002100.8978	1886020.3424
L	25+00.00	105.00	1002285.2007	1886030.8662
L	28+38.84	105.00	1002614.9634	1885940.0887
L	28+38.84	85.00	1002609.3615	1885920.8892
L	32+84.99	75.00	1003034.8568	1885786.3249
L	32+84.99	85.00	1003037.6577	1885795.9246
L	40+00.00	75.00	1003718.9138	1885562.5939
L	41+00.00	100.00	1003822.1321	1885551.2279
L	41+75.00	100.00	1003891.9231	1885525.2662
L	42+75.00	120.00	1003991.4986	1885510.6551
L	44+00.00	95.00	1004099.9607	1885446.8459
L	45+50.00	125.00	1004249.9305	1885429.5716
L	46+50.00	74.70	1004329.4753	1885352.3935

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	13+00.00	75.00	1001115.4913	1886290.0894
L	13+00.00	85.00	1001118.2922	1886299.6892
L	13+25.00	85.00	1001142.2915	1886292.6868
L	13+50.00	75.00	1001163.4899	1886276.0848

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 9/6/22 TO 9/12/22 .

