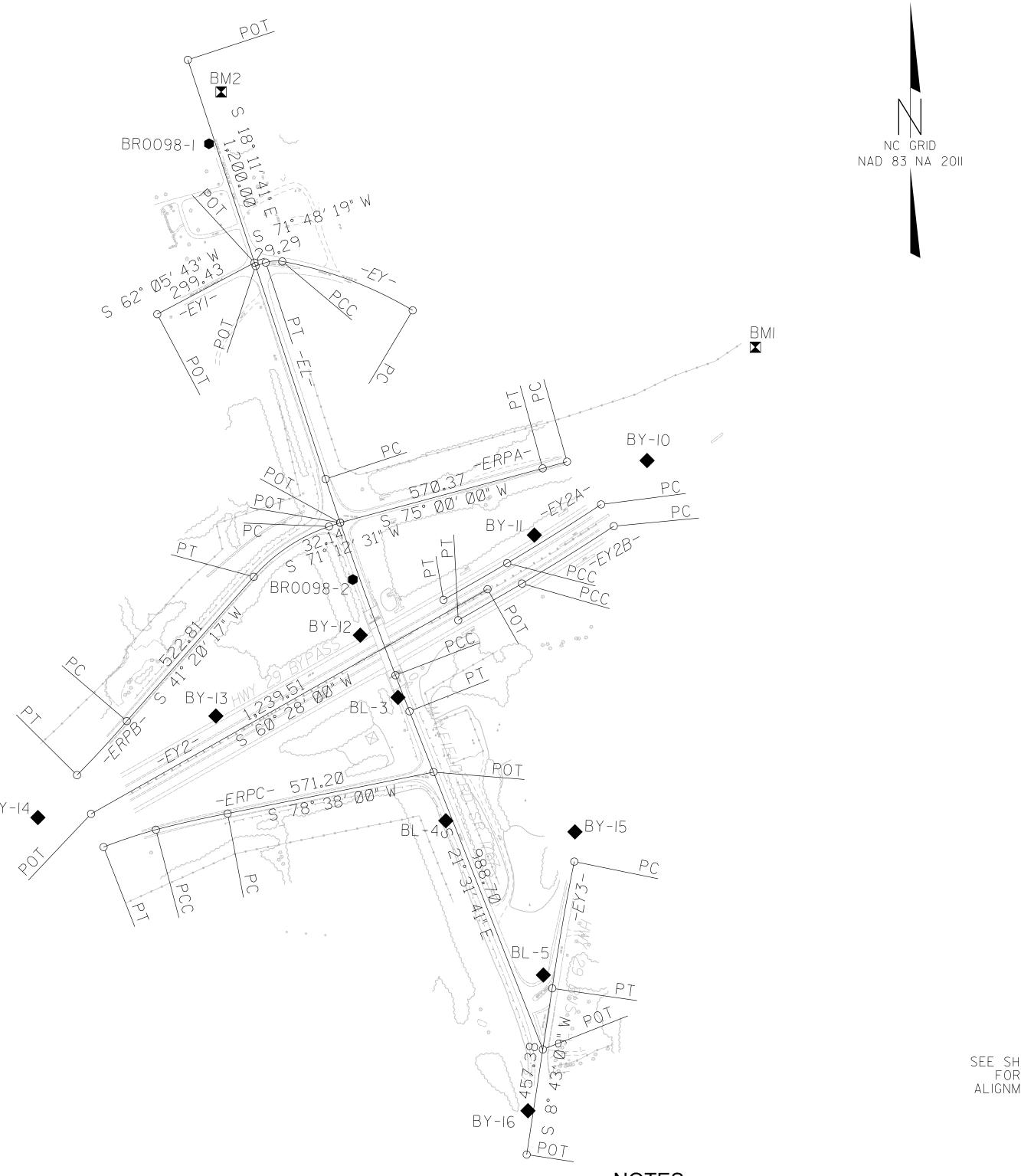
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SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



PROJECT REFERENCE NO. SHEET NO. BR-0098 RW02C-1 Location and Surveys

Dewberry
Dewberry Engineers Inc.

551 PINEY FOREST ROAD
DANVILLE, VA 24540
PHONE: 434.797.4497
FAX: 434.797.4341
NCBELS #F-0929

PROJECT SURVEYOR

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Adam C. Hales, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made by others and the following information was used to perform the survey:

Class of survey: AA

Type of GPS field procedure: RTN Dates of survey: SEPT 2023 Datum/Epoch: NA 2011 Published/Fixed-control use: N/A Localized around: BR0098-2 Northing:985634.501' Easting:1840016.397' Combined grid factor:1.00006479 (average of BR0097-1 and BR0098-2) Geoid model:G12BNC

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 SEPT 2023 to OCT 2023, 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

This 17th day of November, 2023.

requirements of 21NCAC 56.1600 as applicable.

Adam Hales

Units:SURVEY FEET

Professional Land Surveyor L-4980

SEE SHEET RW02C-3 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.

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SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

NG CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCT

BASELINE CONTROL

BL						
	POINT	DESC.	NORTH	EAST	ELEVATION	
1		BRØØ98 - 1	986819.8571	1839625.0753	677.49	
2		BRØØ98-2	985634.5010	1840016.3970	689.06	
3		BL - 3	985313.9869	1840139.0426	689.33	
4		BL - 4	984978.5511	1840269.2907	683.63	
5		BL - 5	984558.9807	1840534.6125	686.30	
ВҮ						
	POINT	DESC.	NORTH	EAST	ELEVATION	
10		BY-10	985958.1885	1840816.7302	691.92	
1 1		BY - 11	985755.4666	1840510.0836	681.27	
12		BY - 12	985483.2194	1840036.6171	667.98	
13		BY - 13	985263.3758	1839643.7130	662.88	
14		BY - 14	984987.2123	1839159.5100	660.10	
BY1						
	POINT	DESC.	NORTH	EAST	ELEVATION	
15		BY-15	984948.3063	1840620.5193	692.72	
5		BL - 5	984558.9807	1840534.6125	686.30	
16		BY - 16	984189.8312	1840492.6911	683.43	

BENCHMARKS

Dewberry
Dewberry
Dewberry Engineers Inc.

551 PINEY FOREST ROAD
DANVILLE, VA 24540
PHONE: 434,797,4497
FAX: 434,797,4341
NCBELS #F-0929

PROJECT SURVEYOR

SEAL
L-4980
SURVE

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

Location and Surveys

SHEET NO.

RW02C-2

PROJECT REFERENCE NO.

BR-0098

I, Adam C. Hales, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made by others and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: RTN
Dates of survey: SEPT 2023
Datum/Epoch: NA 2011
Published/Fixed-control use: N/A
Localized around: BR0098-2
Northing:985634.501'
Easting:1840016.397'
Combined grid factor:1.00006479 (average of BR0097-1 and BR0098-2)
Geoid model:G12BNC
Units:SURVEY FEET

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This 17th day of November, 2023.

Docusigned by:

Llam Haus

205807CE86D640C...

Professional Land Surveyor L-4980

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SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EL									
POINT	N	Е	BEARING	DIST	DELTA	D	L	Т	R
POT LINE	987048.087	1839567.555	S 18°11′40.9" E	1200.00					
PC CURVE	985908.086	1839942.251	S 19°36′Ø2.Ø" E	566.62	Ø2°48′42.1"(LT)	ØØ°29′46.2"	566.68	283.40	11547.57
PCC CURVE	985374.299	1840132.330	S 21°16′02.0" E	105.13	ØØ°31′2Ø.Ø"(LT)	ØØ°29′48.3"	105.13	52.57	11534.37
PT LINE	985276.328	1840170.462	S 21°31′40.9" E	988.70					
POT	984356.605	184Ø533.271							
EY									
POINT	N 986366.716	E 1840179.200	BEARING	DIST	DELTA	D	L	T	R
CURVE PCC	986499.745	1839824.465	N 69°26′36.3" W	378.86	20°39′50.2"(LT)	Ø5°25′29.1"	380.92	192.55	1056.19
CURVE PT	986496.622	1839779.643	S 86°00′53.8" W	44.93	28°25′Ø9.4"(LT)	62°36′18.8"	45.39	23.17	91.52
LINE	986487.476	1839751.816	S 71°48′19.3" W	29.29					
	700107.170	100 // 01.010							
EY1 POINT	N	F	BEARING	DIST					
POT	986496.325	1839748.908		299.43					
LINE	986356.189	1839484.291	S 62°05′43.1" W	277.43					
EY2									
POINT	N 270	E 1040202 702	BEARING	DIST					
POT LINE	985608.279	1840382.792	S 60°28′00.0" W	1239.51					
POT	984997.288	1839304.333							
EY2A	NI		L DEADING L	DICT			1	Т	П
POINT PC	N 985779.740	E 1840726.285	BEARING	DIST	DELTA	D	<u> </u>	T	R
CURVE PCC	985623.690	1840476.609	S 57°59′39.6" W	294.43	Ø2°56′4Ø.6"(RT)	Ø1°ØØ′ØØ.Ø"	294.46	147.26	5729.63
CURVE PT	985524.090	1840303.165	S 60°08′00.0" W	200.01	ØØ°58′34.8"(RT)	ØØ°29′17.3"	200.01	100.01	11737.50
EY2B									
POINT	N	Е	BEARING	DIST	DELTA	D	L	Т	R
PC CURVE	985838.849	184Ø691.72Ø	S 57°57′38.3" W	3Ø1.17	Ø3°ØØ′43.5"(RT)	Ø1°ØØ′ØØ.1"	301.20	150.64	5729.47
PCC CURVE	985679.079	1840436.425	S 60°08′00.1" W	200.01	Ø1°ØØ′12.3"(RT)	ØØ°3Ø′Ø6.1"	200.01	100.01	11420.72
PT	985579.479	1840262.981							
EY3	N 1	T ==						T +	
POINT	N 984867.487	E 1840618.830	BEARING	DIST	DELTA	D	L		R
CURVE PT	984522.741	1840558.750	S 09°53′08.8" W	349.94	Ø3°2Ø′35.9"(LT)	ØØ°57′18.9"	349.99	175.05	5997.97
LINE POT	984070.649	1840489.416	S Ø8°43′Ø8.9" W	457.38					
ERPA									
POINT	N	E	BEARING	DIST	DELTA		L	T	R
PC CURVE	985955.277	1840599.123	S 74°29′33.7" W	68.68	ØØ°31′39.2"(RT)	00°46′05.2"	68.68	34.34	7459.17
PT LINE	985936.915	1840532.944	S 75°00′00.0" W	570.37					
POT	985789.293	1839982.011							
ERPB								-	
POINT	N 985789.181	E 1839982.049	BEARING	DIST	DELTA	D	L		R
LINE PC	985778.826	1839951.619	S 71°12′3Ø.7" W	32.14					
CURVE PT	985642.178	1839746.930	S 56°16′24.Ø" W	246.11	29°52′14.4"(LT)	12°00′00.4"	248.92	127.36	477.46
LINE	985249.639	1839401.614	S 41°20′16.7" W	522.81					
CURVE PT	985102.619	1839266.086	S 42°40′16.4" W	199.96	Ø4°18′34.3"(RT)	Ø2°Ø9′17.Ø"	200.00	100.05	2659.08
	. 3 3 1 2 2 8 3 1 7	, 100,200,000				l		1	
ERPC POINT	N	F	BEARING	DIST	DELTA	Π		Т	R
POT LINE	985110.872	1840235.731	S 78°38′00.0" W	571.20			<u> </u>	'	1.1
PC CURVE	984998.297	1839675.735	S 77°18′00.2" W	199.96	03°59′10.7"(LT)	Ø1°59′35.5"	200.00	100.04	2874.58
PCC	984954.337	1839480.671	S 71°37′59.9" W						
CURVE PT	984907.094	1839338.377	5 /13/ C/. W	149.93	Ø6°ØØ′ØØ.5"(LT)	04°00′00.4"	150.00	75.07	1432.36

BR-0098 RW02C-3 Location and Surveys Dewberry
Dewberry Engineers Inc.

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NCBELS #F-0929 PROJECT SURVEYOR

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PROJECT REFERENCE NO.

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This 17th day of November, 2023.

DocuSigned by: adam Hales

205807CE86D640C... Professional Land Surveyor L-4980

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