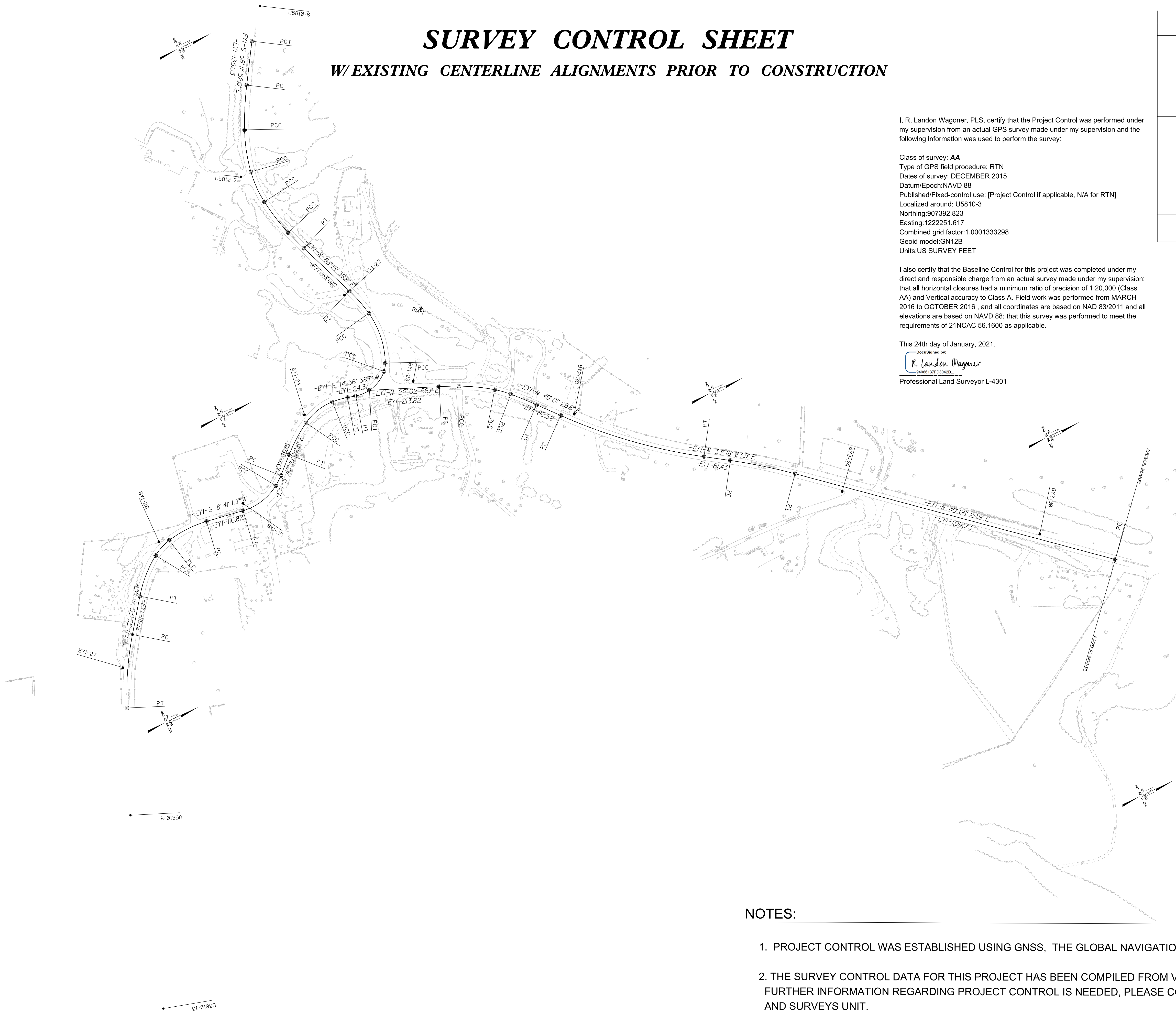




SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

I, R. Landon Wagoner, 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: DECEMBER 2015
Datum/Epoch: NAVD 88
Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
Localized around: U5810-3
Northing: 907392.823
Easting: 1222251.617
Combined grid factor: 1.0001333298
Geoid model: GN12B
Units: US 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 MARCH 2016 to OCTOBER 2016, 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 24th day of January, 2021.

DocuSigned by:
R. Landon Wagoner
94006137FD3042D
Professional Land Surveyor L-4301

PROJECT REFERENCE NO.	SHEET NO.
U-5810	RW02C-1
Location and Surveys	
PROJECT SURVEYOR SEAL L-4301 R. LANDON WAGONER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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.

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



PROJECT REFERENCE NO.	SHEET NO.
U-5810	RW02C-2
Location and Surveys	
PROJECT SURVEYOR DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, R. Landon Wagoner, 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: DECEMBER 2015
Datum/Epoch:NAVD 88
Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
Localized around: U5810-3
Northing:907392.823
Easting:1222251.617
Combined grid factor:1.0001333298
Geoid model:GN12B
Units:US SURVEY FEET

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This 24th day of January, 2021.

DocuSigned by:

94D66137FD3942D
Professional Land Surveyor L-4301

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-5810	RW02C-3
Location and Surveys	
PROJECT SURVEYOR  DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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Dates of survey: DECEMBER 2015
Datum/Epoch: NAVD 88
Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
Localized around: U5810-3
Northing: 907392.823
Easting: 1222251.617
Combined grid factor: 1.0001333298
Geoid model: GN12B
Units: US SURVEY FEET

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This 24th day of January, 2021.

DocuSigned by:

94098137F03042D
Professional Land Surveyor L-4301

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-5810	RW02C-4
Location and Surveys	
PROJECT SURVEYOR  DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

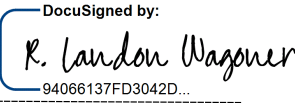


I, R. Landon Wagoner, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
Type of GPS field procedure: RTN
Dates of survey: DECEMBER 2015
Datum/Epoch: NAVD 88
Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
Localized around: U5810-3
Northing: 907392.823
Easting: 1222251.617
Combined grid factor: 1.0001333298
Geoid model: GN12B
Units: US SURVEY FEET

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This 24th day of January, 2021.

DocuSigned by:

94066137FD3042D

Professional Land Surveyor L-4301

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REVISIONS

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.
U-5810

SHEET NO.
RW02C-5

Location and Surveys

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

BL	POINT	DESC.	NORTH	EAST	ELEVATION
6		U5810-6	904283.8429	1225912.7294	3181.33
5		U5810-5	904464.7037	1225443.6590	3199.47
11		BL-11	904678.3590	1224941.7640	3199.78
12		BL-12	905058.2520	1224509.7580	3185.78
13		BL-13	905702.6590	1224283.0360	3136.60
14		BL-14	906329.0950	1223912.6490	3127.31
15		BL-15	906897.4900	1223041.4620	3127.28
16		BL-16	907153.6980	1222349.3070	3136.33
3		U5810-3	907392.8230	1222251.6174	3129.89
17		BL-17	907712.6850	1222368.4350	3120.46
18		BL-18	908149.1090	1222216.1790	3105.09
19		BL-19	908866.2600	1221950.3330	3088.71
20		BL-20	909271.7360	1221648.1630	3091.77
21		BL-21	909687.5710	1221588.0970	3113.18

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
8		U5810-8	902472.8118	1220568.1010	3126.49
7		U5810-7	902198.7111	1221015.6952	3140.29
22		BY1-22	902331.8900	1221477.3850	3165.19
23		BY1-23	902409.9420	1221804.8380	3180.26
24		BY1-24	902066.3080	1221756.5790	3202.21
25		BY1-25	901781.2590	1221921.2660	3216.71
26		BY1-26	901499.1010	1221918.4750	3210.73
27		BY1-27	901236.0670	1222220.6470	3187.30
9		U5810-9	901066.0363	1222638.0268	3174.25
10		U5810-10	900905.8016	1223215.0277	3157.77

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
EQ23		BY1-23	902409.9420	1221804.8380	3180.26
28		BY2-28	902813.4120	1222104.2560	3191.04
29		BY2-29	903453.8450	1222665.7840	3232.75
30		BY2-30	903945.6550	1223038.8880	3279.94
31		BY2-31	904324.1610	1223320.5400	3329.96
32		BY2-32	904509.2780	1223551.6450	3299.60
33		BY2-33	904370.5280	1223808.6790	3251.32
34		BY2-34	905030.0990	1223858.8810	3175.00
35		BY2-35	905404.1600	1224051.1780	3138.89
EQ13		BL-13	905702.6590	1224283.0360	3136.60

BY3	POINT	DESC.	NORTH	EAST	ELEVATION
4		U5810-4	907287.3060	1221579.0800	3096.30
EQ3		U5810-3	907392.8230	1222251.6174	3129.89

BY4	POINT	DESC.	NORTH	EAST	ELEVATION
36		BY4-36	909469.9480	1220336.1230	3115.61
1		U5810-1	909449.4586	1221034.6278	3097.65
EQ21		BL-21	909687.5710	1221588.0970	3113.18
2		U5810-2	909960.0033	1221918.5339	3141.60
37		BY4-37	910166.8790	1222259.4970	3161.36

41 ELEVATION = 3174.52
N 902527 E 1221613
BM1-RR 15" POPLAR

42 ELEVATION = 3145.12
N 905550 E 1224459
BM2-RR SPIKE 36" MAPLE

43 ELEVATION = 3105.54
N 909630 E 1221432
BM3-BOLT WINGWALL OF BRIDGE

I, R. Landon Wagoner, 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: U5810-3
Northing:907392.823
Easting:1222251.617
Combined grid factor:1.0001333298
Geoid model:GN12B
Units:US SURVEY FEET

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This 24th day of January, 2021.

DocuSigned by:

94066137FD3042D

Professional Land Surveyor L-4301

NOTES:

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SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

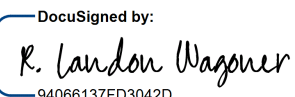
PROJECT REFERENCE NO.	SHEET NO.
U-5810	RW02C-6
Location and Surveys	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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Type of GPS field procedure: RTN
Dates of survey: DECEMBER 2015
Datum/Epoch: NAVD 88
Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
Localized around: U5810-3
Northing: 907392.823
Easting: 1222251.617
Combined grid factor: 1.0001333298
Geoid model: GN12B
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This 24th day of January, 2021.


Professional Land Surveyor L-4301

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EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	904526.988	1225274.477	N 70°22'28.4" W	95.75	07°50'37.0" (RTT)	08°11'06.4"	95.83	47.99	700.00
PC	904559.149	1225184.286	N 64°14'52.4" W	115.42	04°24'35.1" (RTT)	03°49'11.0"	115.45	57.75	1500.00
PC	904605.296	1225080.331	N 59°10'46.0" W	79.93	05°43'37.7" (RTT)	07°09'43.1"	79.97	40.02	800.00
PC	904650.249	1225011.686	N 53°04'17.4" W	169.78	06°29'19.5" (RTT)	03°49'11.0"	169.88	85.03	1500.00
PC	904752.259	1224875.963	N 49°49'37.6" W	327.47					
LINE	904963.511	1224625.739	N 47°10'03.4" W	92.80	05°19'08.4" (RTT)	05°43'46.5"	92.83	46.45	1000.00
PC	905026.603	1224557.684	N 32°35'36.2" W	185.81	23°49'46.0" (RTT)	12°43'56.6"	187.16	94.95	450.00
PC	905183.150	1224457.593	N 17°38'07.2" W	100.07	06°05'12.0" (RTT)	06°01'52.1"	100.92	50.51	950.00
PC	905279.283	1224427.033	N 14°35'31.1" W	533.99					
LINE	905796.054	1224292.501	N 16°38'01.4" W	106.00	04°05'00.5" (L)	03°49'11.0"	106.90	53.40	1500.00
PC	905898.463	1224261.906	N 23°37'29.5" W	86.28	09°53'55.0" (L)	11°27'33.0"	86.38	43.30	500.00
PC	905977.509	1224227.331	N 32°01'47.5" W	132.60	06°54'40.1" (L)	05°12'31.3"	132.68	66.42	1100.00
PC	906089.327	1224157.003	N 36°33'36.3" W	112.53	02°08'57.6" (L)	01°54'35.5"	112.54	56.28	3000.00
PC	906100.316	1224089.972	N 46°22'55.0" W	243.32	17°29'39.0" (L)	07°09'43.1"	244.27	123.09	800.00
PC	906348.170	1223913.819	N 57°34'28.9" W	136.54	04°53'27.9" (L)	03°34'51.6"	136.58	68.33	1600.00
PC	906421.384	1223798.564	N 60°01'12.8" W	273.91					
PC	906558.257	1223561.299	N 57°43'19.6" W	160.40	04°35'46.5" (L)	02°51'53.2"	160.44	80.26	2000.00
PC	906643.913	1223425.690	N 53°32'56.4" W	78.53	03°45'00.0" (RTT)	04°46'28.7"	78.54	39.28	1200.00
PC	906690.568	1223362.526	N 51°40'26.3" W	131.31					
LINE	906772.000	1223259.511	N 54°09'19.8" W	129.89	04°57'47.0" (L)	03°49'11.0"	129.93	65.01	1500.00
PC	906848.063	1223154.220	N 61°47'22.5" W	188.60	10°18'16.4" (L)	05°27'24.3"	188.85	91.68	1050.00
PC	906937.215	1222988.025	N 70°42'29.6" W	200.33	07°31'55.0" (L)	03°45'25.6"	200.48	100.38	1525.00
PC	907003.401	1222798.940	N 74°42'06.3" W	284.46					
PC	907078.455	1222524.557	N 67°41'46.7" W	91.47	14°00'39.3" (RTT)	15°16'43.9"	91.70	46.08	375.00
PC	907113.170	1222439.928	N 46°57'15.6" W	142.47	27°28'22.9" (RTT)	19°05'54.9"	143.85	73.33	300.00
PC	907210.421	1222335.806	N 26°27'43.9" W	87.05	13°30'40.6" (RTT)	15°29'07.2"	87.25	43.83	370.00
PC	907260.350	1222297.016	N 08°31'18.4" E	207.46	40°27'23.9" (RTT)	19°05'54.9"	211.83	110.55	300.00
LINE	907495.799	1222298.905	N 20°45'00.3" E	74.42					
PC	907565.394	1222325.272	N 15°56'57.0" E	83.69	09°36'05.0" (L)	11°27'33.0"	83.79	41.99	500.00
PC	907645.062	1222348.269	N 04°02'19.2" E	49.51	14°13'12.2" (L)	20°38'52.4"	49.64	24.95	200.00
PC	907695.249	1222351.756	N 06°50'00.2" W	124.66	07°31'26.5" (L)	06°01'52.1"	124.75	62.47	950.00
PC	907819.027	1222336.924	N 10°35'43.4" W	124.74					
PC	907941.636	1222313.988	N 13°40'01.3" W	96.45	06°08'35.9" (L)	06°21'56.3"	96.50	48.30	900.00
PC	908035.358	1222291.198	N 24°12'03.5" W	116.89	14°55'28.5" (L)	12°43'56.6"	117.22	58.94	450.00
PC	908141.971	1222243.282	N 31°39'47.0" W	63.12					
PC	908195.695	1222210.149	N 23°49'57.0" W	149.07	15°39'39.9" (RTT)	10°25'02.7"	150.34	75.64	550.00
PC	908332.784	1222149.592	N 16°00'07.0" W	133.78					
PC	908461.478	1222112.713	N 23°00'30.1" W	134.17	14°00'44.6" (L)	10°25'02.7"	134.51	67.59	550.00
PC	908584.079	1222060.269	N 30°00'52.4" W	74.74					
LINE	908649.600	1222022.800	N 24°52'15.0" W	98.62	10°17'13.3" (RTT)	10°25'02.7"	98.75	49.51	550.00
PC	908739.070	1221981.405	N 19°43'39.1" W	112.13					
PC	908844.621	1221943.555	N 29°16'11.3" W	207.22	19°05'04.4" (L)	09°10'02.4"	208.18	105.06	625.00
PC	909025.384	1221842.240	N 38°48'43.5" W	84.08					
PC	909090.902	1221789.540	N 35°30'51.3" W	132.31	06°35'44.5" (RTT)	04°58'56.1"	132.38	66.27	1150.00
PC	909198.599	1221712.680	N 25°40'12.3" W	102.41	13°05'33.5" (RTT)	07°09'43.1"	102.81	91.00	800.00
PC	909363.006	1221633.662	N 14°51'16.3" W	55.83	00°32'18.5" (RTT)	15°16'43.9"	55.88	27.99	375.00
PC	909416.973	1221619.348	N 02°14'03.3" E	133.13	25°30'20.0" (RTT)	19°05'54.9"	134.26	68.27	300.00
PC	909550.000	1221624.538	N 15°03'13.7" E	81.46					
PC	909620.667	1221645.636	N 01°05'53.6" W	139.09	32°18'14.5" (L)	22°55'05.9"	140.95	72.40	250.00
PC	909767.735	1221643.030							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	902405.139	1220055.323	S 58°11'52.0" E	135.03					
PC	902333.979	1220770.003	S 62°07'15.5" E	136.04	07°50'47.0" (L)	05°43'46.5"	136.95	68.58	1000.00
PC	902269.992	1220891.040	S 73°29'34.1" E	129.64	14°53'50.1" (L)	11°27'33.0"	130.00	65.37	500.00
PC	902233.158	1221015.334	S 69°00'12.9" E	100.04	16°23'27.9" (L)	16°19'42.0"	100.30	50.54	350.00
PC	902231.651	1221115.363	N 77°24'00.3" E	119.35	10°32'05.9" (L)	08°40'53.0"	119.52	59.93	650.00
PC	902257.685	1221231.836	N 70°12'18.6" E	67.27	03°51'17.4" (L)	05°43'46.5"	67.28	33.65	1000.00
PC	902280.465	1221295.128	N 60°16'39.9" E	190.40					
PC	902350.933	1221472.004	N 74°03'31.2" E	90.55	11°33'42.5" (RTT)	12°43'56.6"	90.81	45.56	450.00
PC	902375.831	1221659.170	S 83°07'39.5" E	161.11	34°03'56.0" (RTT)	20°50'05.4"	163.50	84.25	275.00
PC	902356.553	1221719.118	S 55°50'14.7" E	24.93	20°30'53.6" (RTT)	01°51'04.0"	25.06	12.67	70.00
PC	902342.554	1221739.746	S 15°29'04.6" E	115.33	60°11'26.6" (RTT)	49°49'20.7"	120.01	66.65	115.00
PC	902231.409	1221770.538	S 14°36'38.7" W	24.37					
PC	902207.022	1221764.309	S 09°03'15.7" W	48.41	11°06'45.0" (L)	22°55'05.9"	48.49	24.32	250.00
PC	902168.013	1221756.770	S 13°32'11.6" E	102.53	34°04'00.0" (L)	32°44'25.6"	104.06	53.62	175.00
PC	902060.329	1221700.770	S 36°52'09.2" E	109.70	12°35'46.5" (L)	11°27'33.0"	109.92	55.18	500.00
PC	901972.567	1221846.590	S 43°10'02.5" E	69.15					
PC	901922.130	1221893.899	S 30°12'04.0" E	34.63	09°55'56.9" (RTT)	20°30'52.4"	34.67	17.38	200.00
PC	901834.918	1221915.314	S 12°18'26.9" E	125.00	41°55'17.3" (RTT)	32°44'25.6"	126.04	67.04	175.00
PC	901772.575	1221941.931	S 08°41'11.7" W	116.02					
PC	901657.094	1221924.207	S 01°47'23.9" E	127.28	20°57'11.3" (L)	16°22'12.0"	128.00	64.72	350.00
PC	901529.073	1221928.263	S 22°51'13.4" E	62.47	21°10'27.7" (L)	33°42'12.2"	62.83	31.78	170.00
PC	901472.300	1221952.525	S 43°40'52.2" E	133.33	20°28'49.0" (L)	15°16'43.9"	134.04	67.75	375.00
PC	901375.003	1222044.610	S 53°55'17.1" E	119.12					
PC	901305.732	1222140.887	S 60°43'19.5" E	224.99	13°36'04.7" (L)	06°01'52.1"	225.52	113.29	950.00
PC	901195.702	1222337.135							

EY2 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT LINE	902277.346	1221773.004	N 22°02'56.1"E	213.82					
PC CURVE	902475.530	1221852.272	N 23°46'27.2"E	60.22	03°27'02.3" (RTT)	05°43'46.5"	60.23	30.12	1000.00
PC CURVE	902530.636	1221877.547	N 30°44'08.4"E	109.51	10°28'20.1" (RTT)	09°32'57.5"	109.67	54.99	600.00
PC CURVE	902624.766	1221933.617	N 40°52'11.6"E	51.23	09°47'46.3" (RTT)	19°05'54.9"	51.29	26.71	300.00
PC CURVE	902663.506	1221967.039	N 47°23'46.6"E	85.25	03°15'23.9" (RTT)	03°49'11.0"	85.26	42.64	1500.00
PC CURVE	902721.211	1222029.785	N 49°01'28.6"E	60.52					
PC CURVE	902774.000	1222090.673	N 41°09'56.2"E	455.33	15°43'04.7" (L)	03°26'28.3"	456.76	229.02	1655.00
PC CURVE	903116.785	1222390.280	N 33°18'23.9"E	81.43					
PC CURVE	903184.040	1222435.004	N 36°42'26.9"E	201.69	06°40'06.0" (RTT)	03°22'13.2"	201.81	101.02	1700.00
PC CURVE	903346.535	1222555.560	N 40°06'29.9"E	1012.73					
PC CURVE	904121.098	1223207.995	N 37°52'36.7"E	155.74	04°27'46.3" (L)	02°51'53.2"	155.78	77.93	2000.00
PC CURVE	904244.032	1223303.617	N 29°15'12.4"E	100.20	12°47'02.4" (L)	12°43'56.6"	100.41	50.41	450.00
PC CURVE	904331.451	1223352.581	N 22°51'41.1"E	46.54					
PC CURVE	904374.336	1223370.662	N 28°18'06.3"E	64.74	10°36'50.4" (RTT)	16°22'12.0"	64.84	32.51	350.00
PC CURVE	904431.413	1223401.226	N 50°40'24.1"E	65.54	34°39'46.1" (RTT)	52°05'13.5"	66.55	34.33	110.00
PC CURVE	904472.028	1223452.010	N 83°27'23.9"E	77.67	30°30'14.7" (RTT)	30°50'36.2"	78.60	40.27	147.00
PC CURVE	904481.679	1223529.183	S 75°32'45.5"E	79.16	11°21'26.5" (RTT)	14°19'26.2"	79.29	39.78	400.00
PC CURVE	904461.921	1223605.838	S 69°52'02.2"E	102.49					
PC CURVE	904426.646	1223702.061	S 75°42'06.4"E	40.66	11°40'08.5" (L)	20°38'52.4"	40.73	20.44	200.00
PC CURVE	904416.603	1223741.464	N 75°32'47.3"E	55.83	45°50'24.9" (L)	79°34'38.9"	57.68	30.44	72.00
PC CURVE	904438.599	1223795.763	N 29°13'01.2"E	56.05	46°49'27.9" (L)	01°51'04.0"	57.21	30.31	70.00
PC CURVE	904479.150	1223822.916	N 05°48'18.2"E	239.50					
PC CURVE	904717.426	1223847.140	N 02°53'35.7"E	101.60	05°49'25.0" (L)	01°51'46.5"	101.64	50.86	1000.00
PC CURVE	904818.894	1223852.268	N 00°01'06.8"E	85.87					
PC CURVE	904904.765	1223852.240	N 01°34'01.3"E	44.27	03°10'16.3" (RTT)	07°09'43.1"	44.28	22.14	600.00
PC CURVE	904949.021	1223855.453	N 06°53'19.0"E	26.06	07°28'18.9" (RTT)	28°38'52.4"	26.08	13.06	200.00
PC CURVE	904974.896	1223856.577	N 14°22'46.0"E	83.71	17°30'35.2" (RTT)	20°50'05.4"	84.04	42.36	275.00
PC CURVE	905005.867	1223864.955	N 20°08'03.6"E	211.30					
PC CURVE	905248.272	1223904.040	N 27°37'37.1"E	17.21	01°00'53.0" (L)	06°43'46.5"	17.21	8.86	1000.00
PC CURVE	905295.963	1223992.232	N 27°07'10.6"E	243.36					
PC CURVE	905472.571	1224103.102	N 29°54'00.2"E	135.83	05°33'35.2" (RTT)	04°05'33.2"	135.80	67.99	1400.00
PC CURVE	905590.317	1224170.087	N 52°15'21.1"E	142.08	39°09'02.5" (RTT)	27°01'34.7"	144.86	75.39	212.00
PC CURVE	905677.277	1224093.221	N 52°15'21.1"E	38.98					
POT LINE	905694.432	1224320.255	N 71°49'52.3"E						

REVISIONS

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PROPOSED ALIGNMENT CONTROL SHEET

L			
TYPE	STATION	NORTH	EAST
POT	10+19.51	902458.0689	1221760.2926
PC	12+29.90	902606.1024	1221909.7905
PRC	14+86.32	902780.5118	1222097.6897
PT	19+26.81	903111.1909	122386.6131
PC	20+14.93	903184.8397	1222435.0035
PT	22+16.74	903346.5352	1222555.5605
PC	31+13.30	904032.2517	1223133.1573
PT	34+29.08	904195.8962	1223397.0996
PC	36+04.37	904237.4295	1223567.3959
PT	42+11.02	904669.4978	1223935.8981
PC	47+11.73	905168.5776	1223976.2860
PT	51+84.63	905612.8288	1224124.5047
POT	53+53.53	905755.6304	1224214.6917

L2			
TYPE	STATION	NORTH	EAST
POT	53+78.55	905746.3072	1224251.5556
PC	54+77.32	905844.8496	1224244.8572
PCC	57+25.80	906079.0427	1224169.4562
PT	62+28.11	906425.0070	1223812.2956
PC	65+68.32	906595.0077	1223517.6064
PT	67+91.19	906720.0186	1223333.3328
PC	68+85.07	906778.2364	1223259.6851
PT	73+67.36	906994.3212	1222832.1348
PC	76+03.96	907056.7454	1222603.9230
PT	78+68.73	907173.9450	1222368.3703
POT	81+52.19	907346.9297	1222143.8033

L3			
TYPE	STATION	NORTH	EAST
POT	81+04.00	907369.8390	1222174.7187
PC	82+17.32	907475.8540	1222134.6876
PRC	86+93.53	907942.3632	1222129.6056
PC	94+31.23	908651.0828	1222050.9311
PRC	96+26.98	908828.9821	1221970.7409
PT	98+61.45	909035.4260	1221862.7393
PC	99+76.79	909125.2999	1221790.4481
PT	103+54.67	909478.5361	1221685.8715
PC	104+70.14	909593.4056	1221697.5979
PT	106+39.47	909761.4321	1221685.3376
POT	106+64.05	909785.2590	1221679.3194

RAB1			
TYPE	STATION	NORTH	EAST
PC	10+00.00	902401.0697	1221759.9935
PCC	11+75.13	902514.9113	1221764.5292
PT	13+58.14	902401.0697	1221759.9935

RAB2			
TYPE	STATION	NORTH	EAST
PC	10+00.00	905695.2437	1224203.7053
PCC	11+79.07	905794.6579	1224259.4980
PT	13+58.14	905695.2437	1224203.7053

RAB3			
TYPE	STATION	NORTH	EAST
PC	10+00.00	907318.5878	1222192.0162
PCC	11+79.07	907406.9602	1222120.0001
PT	13+58.14	907318.5878	1222192.0162

Y1			
TYPE	STATION	NORTH	EAST
PC	10+87.16	902277.5496	1220874.0153
PRC	16+07.03	902316.9235	1221369.2168
PT	18+31.41	902409.3096	1221572.4770
POT	20+25.45	902458.0689	1221760.2926
PC	22+80.94	902202.5817	1221758.9517
PT	25+39.62	901967.6580	1221851.4675
PC	25+98.20	901925.0205	1221891.6344
PT	27+72.03	901764.5958	1221940.9311
POT	28+43.60	901693.9225	1221929.5759

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	903937.4981	1223053.3438
PC	10+23.21	903956.5354	1223040.0673
PT	10+81.25	904011.3458	1223038.4987
PC	11+98.42	904111.1290	1223099.9173
PRC	14+45.34	904298.7525	1223258.9932
PT	16+19.46	904446.0186	1223242.3453
POT	17+31.80	904498.9841	1223143.2668

Y4			
TYPE	STATION	NORTH	EAST
POT	10+00.00	904540.1396	1223907.2750
PC	10+14.36	904548.2765	1223895.4434
PT	10+55.67	904578.8856	1223868.3065
PC	12+88.79	904785.4101	1223760.1747
PT	14+14.80	904881.6922	1223680.3297
POT	15+06.24	904938.3638	1223608.5685

Y5			
TYPE	STATION	NORTH	EAST
POT	10+00.00	905228.1803	1223982.9505
PC	11+46.70	905280.7775	1223846.0032
PT	12+66.60	905346.8128	1223747.1070
POT	13+02.94	905373.1518	1223722.0717

Y6			
TYPE	STATION	NORTH	EAST
POT	10+00.00	905603.6722	1224118.7920
PC	11+98.83	905704.7265	1223947.5605
PT	12+67.35	905743.4792	1223891.1187

Y7			
TYPE	STATION	NORTH	EAST
POT	10+00.00	904752.2588	1224875.9631
PC	13+60.94	904985.0994	1224600.1688
PT	16+74.57	905246.3048	1224435.6182
PC	19+52.50	905515.2691	1224365.5985
PT	21+29.47	905667.5532	1224279.4310
POT	22+18.22	905730.9542	1224217.3155

Y8			
TYPE	STATION	NORTH	EAST
POT	10+00.00	905615.9244	1224320.9726
PC	11+06.07	905674.0486	1224409.6993
PRC	11+81.74	905698.1474	1224480.5815
PT	12+67.51	905714.5607	1224564.5670
POT	13+18.98	905730.2878	1224613.5808

Y8A			
TYPE	STATION	NORTH	EAST
POT	10+00.00	905681.5183	1224422.4265
PC	10+66.86	905631.1224	1224466.3655
PRC	11+82.91	905561.7253	1224517.0708
PT	13+18.25	905484.6700	1224655.0909
POT	13+69.06	905485.0497	1224705.9026

Y9			
TYPE	STATION	NORTH	EAST
POT	10+00.00	906372.5447	1223893.9899
PC	10+13.57	906385.3051	1223898.6034
PT	10+71.70	906441.8237	1223911.5876
PC	11+66.57	906536.1742	1223921.5028
PT	12+26.46	906595.6341	1223928.6529
POT	12+90.97	906659.5559	1223937.3124

Y10			
TYPE	STATION	NORTH	EAST
POT	10+00.00	906978.4134	1222885.4093
PC	10+54.72	907025.5273	1222913.2350
PT	10+93.08	907057.5753	1222934.2978
POT	11+65.66	907116.2444	1222977.0198

Y11			
TYPE	STATION	NORTH	EAST
PC	9+00.00	907245.9219	1221485.3522
PT	9+67.89	907265.2131	1221550.4389
PC	12+02.23	907330.4741	1221775.5080
PT	14+81.60	907365.7208	1222051.5199
POT	15+86.13	907362.7740	1222156.0081

DR2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	903814.7518	1223603.6339
PC	10+18.06	903825.3527	1223589.0068
PT	10+62.85	903858.7507	1223559.7307
PC	11+52.75	903937.8254	1223516.9629
PT	12+62.05	904041.6296	1223522.2295
PC	13+61.89	904124.1940	1223578.3736
PT	14+48.76	904207.2375	1223592.0196
POT	14+84.19	904241.3768	1223582.5182

DR3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	904253.2244	1224037.0669
PC	11+25.34	904171.6845	1223941.8776
PCC	12+57.41	904117.6674	1223823.2549
PT	14+24.20	904218.9150	1223720.9666
PC	14+67.63	904261.9447	1223726.8583
PT	14+95.98	904289.0462	1223720.8463
POT	15+09.04	904300.0212	1223713.7702

DR4			
TYPE	STATION	NORTH	EAST
POT	10+00.00	904907.6965	1223955.1743
PC	10+26.78	904909.8569	1223928.4783
PT	10+74.49	904934.1663	1223889.5190
POT	12+29.56	905067.5010	1223810.3486

DR5			
TYPE	STATION	NORTH	EAST
POT	10+00.00	904525.0578	1223747.8950
PC	10+33.15	904540.7235	1223777.1122
PRC	10+90.10	904589.5025	1223795.8540
PT	11+49.35	904647.5345	1223785.2719
PC	11+96.38	904694.5608	1223784.5304
PT	12+18.47	904712.5944	1223795.2510
POT	12+21.17	904713.8471	1223797.6435

DR6			
TYPE	STATION	NORTH	EAST
POT	10+00.00	903930.3797	1223047.3478
PC	10+25.88	903918.7597	1223070.4766
PT	10+91.74	903930.4995	1223130.5401
POT	12+41.22	904042.9561	1223229.0105

DR7			
TYPE	STATION	NORTH	EAST
POT	10+00.00	907070.4727	1222559.7110
PC	10+05.01	907075.4829	1222559.7371
PRC	10+32.25	907099.1923	1222548.3183
PT	11+07.36	907148.4064	1222491.6219

DR8			
TYPE	STATION	NORTH	EAST
POT	10+00.00	904894.7117	1224114.0331
PC	10+90.54	904968.8986	1224062.1251
PT	11+30.41	905006.8511	1224053.9628
PC	12+01.11	905076.3235	1224067.0964
PT	12+84.96	905135.4484	1224021.9996
POT	13+33.20	905139.3393	1223973.9199

DR9			
TYPE	STATION	NORTH	EAST
POT	10+00.00	905340.4370	1223753.3713
PC	10+91.48	905412.4091	1223809.8444
PT	11+71.57	905419.9085	1223881.2454
POT	12+33.51	905380.1850	1223928.7735

DR10			
TYPE	STATION	NORTH	EAST
POT	10+00.00	904990.5998	1224118.8237
PC	10+73.37	905063.4153	1224109.8087
PRC	12+47.53	905236.6903	1224116.4096
PT	12+66.33	905255.2151	1224119.6056
PC	13+31.92	905320.1412	1224128.9112
PT	13+67.49	905351.9500	1224116.7253
POT	13+72.68	905355.2794	1224112.7460

DR11			
TYPE	STATION	NORTH	EAST
POT	10+00.00	906013.0234	1224207.0669
PC	10+29.15	905999.5490	1224181.2218
PT	10+85.90	905951.1679	1224161.8549
POT	11+35.06	905904.6406	1224177.7236

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.

PROJECT REFERENCE NO.

U-5810

SHEET NO.

RW02D-1

Location and Surveys

Dewberry

Dewberry Engineers Inc.

550 West Glades Road

Greenville, NC 27639

Phone: 754-285-8877

Fax: 754-285-8877

www.dewberry.com

MOBILE: 919-3523

PROJECT SURVEYOR

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REVISIONS

RIGHT OF WAY CONTROL SHEET

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
L	11+02.18	-59.76	902558.6939	1221776.9845
L	11+96.63	-30.00	902604.0077	1221865.0383
L	12+29.90	-30.00	902627.4197	1221888.6819
L	12+83.82	-30.00	902665.3829	1221927.5450
L	24+10.00	35.00	903471.7965	1222706.8332
L	24+10.00	30.00	903475.0177	1222703.0091
L	29+35.00	-30.00	903915.2065	1222995.3425
L	29+65.00	-100.00	903983.2477	1222961.1316
L	31+13.30	35.00	904009.7035	1223159.9263
L	34+29.08	35.00	904161.8929	1223405.3926
L	36+04.37	35.00	904203.4262	1223575.6890
L	42+11.02	35.00	904666.6747	1223970.7841
L	45+05.00	35.00	904959.6942	1223994.4966
L	45+55.00	80.00	905005.9015	1224043.3830
L	47+51.47	-44.91	905213.5416	1223935.7170
L	48+20.00	-50.00	905285.2927	1223941.8673
L	48+80.00	55.00	905320.5725	1224057.4118
L	48+88.00	-55.00	905356.2203	1223953.0422
L	49+60.00	-45.00	905425.6289	1223984.7630
L	50+98.16	-45.11	905558.4865	1224041.5015
L	52+50.00	-85.00	905713.4843	1224087.5417

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
L2	55+07.43	-101.94	905861.9074	1224140.8091
L2	55+50.00	70.00	905931.3803	1224303.2442
L2	56+65.00	-40.00	906008.6928	1224162.0893
L2	57+25.80	-40.00	906057.9619	1224135.4621
L2	58+55.00	50.00	906215.7464	1224133.4298
L2	61+12.38	42.59	906395.8708	1223934.3698
L2	61+90.00	73.95	906467.9812	1223884.2672
L2	62+28.11	-40.00	906390.3590	1223792.3078
L2	62+42.50	44.53	906470.7680	1223822.0815
L2	65+68.32	-40.00	906560.3596	1223497.6186
L2	66+08.01	60.60	906666.9719	1223515.1195
L2	66+80.00	40.00	906687.3919	1223445.4511
L2	67+91.19	40.00	906751.3984	1223358.1383
L2	67+91.19	-40.00	906688.6388	1223308.5274
L2	68+85.07	40.00	906809.6162	1223284.4905
L2	68+85.07	-41.00	906746.0721	1223234.2595
L2	71+50.00	40.00	906954.3961	1223052.8068
L2	72+55.00	50.00	907006.4298	1222956.6189
L2	73+67.36	-41.00	906954.7741	1222821.3172
L2	73+88.00	30.00	907028.7031	1222820.1446
L2	76+03.96	30.00	907085.6824	1222611.8383
L2	76+03.96	-41.00	907017.1982	1222593.1054
L2	76+68.89	-44.30	907035.4174	1222526.4992
L2	77+55.10	-57.11	907062.0209	1222436.9133
L2	78+68.73	30.00	907197.7114	1222386.6776
L2	79+40.00	31.06	907242.0474	1222330.8623
L2	80+50.00	-50.00	907244.9554	1222194.2509

• PK NAIL

• PK NAIL

• PK NAIL

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
L3	81+70.00	71.87	907456.9727	1222218.6416
L3	82+20.00	36.00	907490.9465	1222167.4751
L3	82+50.00	-45.00	907492.8360	1222081.0688
L3	83+65.00	-45.00	907612.1189	1222053.3369
L3	84+20.00	-42.00	907670.6182	1222050.2783
L3	86+93.53	-42.00	907956.3404	1222089.9996
L3	86+93.53	36.00	907930.3828	1222163.5537
L3	90+00.00	36.00	908244.7633	1222211.8358
L3	90+50.00	50.00	908298.1746	1222222.3837
L3	93+00.00	50.00	908554.3154	1222157.5532
L3	93+00.00	75.00	908564.0586	1222180.5764
L3	94+31.23	-42.00	908628.7597	1222015.3547
L3	94+31.23	75.00	908690.9455	1222114.4603
L3	94+74.84	-42.00	908668.5969	1221992.0201
L3	96+26.98	75.00	908850.1841	1222042.6817
L3	98+61.45	75.00	909082.4334	1221921.1799
L3	99+76.79	75.00	909172.3073	1221848.8887
L3	102+05.85	45.00	909339.6601	1221737.5878
L3	104+18.59	62.46	909535.7797	1221754.4981
L3	105+80.00	66.42	909711.2932	1221762.2363

• NOT SET

• NOT SET

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
RAB2	12+75.14	84.96	905799.8134	1224100.6676

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
RAB3	10+55.00	84.00	907373.7441	1222296.5807
RAB3	12+66.18	48.00	907299.9668	1222071.8638
RAB3	13+15.16	48.00	907258.0336	1222148.6285

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	14+89.00	-18.15	902279.3946	1221258.3862
Y1	14+89.00	40.00	902225.0345	1221279.0486
Y1	14+89.00	5.85	902256.9559	1221266.9133
Y1	14+89.00	-40.00	902299.8153	1221250.6261
Y1	16+07.03	-40.00	902349.9547	1221346.6572
Y1	16+07.03	40.00	902283.8922	1221391.7764
Y1	16+50.00	-115.00	902439.0121	1221347.0352
Y1	17+00.00	-125.00	902475.9176	1221394.4102
Y1	17+20.67	40.00	902336.0567	1221484.6430
Y1	17+50.00	-115.00	902490.8064	1221452.5887
Y1	18+31.41	-65.00	902472.2240	1221556.1436
Y1	19+35.84	-48.72	902482.7061	1221661.3128
Y1	21+64.19	65.81	902319.6733	1221693.7598
Y1	21+81.81	-55.65	902301.4228	1221815.1226
Y1	21+88.27	-58.43	902294.9489	1221817.8641
Y1	21+90.00	40.00	902293.7327	1221719.4296
Y1	22+34.00	-40.00	902249.3134	1221799.1975
Y1	22+80.94	40.00	902202.7916	1221718.9523
Y1	22+80.94	-40.00	902202.3741	1221798.9512
Y1	25+39.62	-40.00	901995.0862	1221880.5828
Y1	25+39.62	40.00	901940.2299	1221822.3523
Y1	25+52.00	-40.00	901986.0754	1221889.0714
Y1	25+52.00	12.23	901950.2638	1221851.0571
Y1	25+52.00	-11.77	901966.7207	1221868.5263
Y1	25+52.00	40.00	901931.2191	1221830.8410

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	12+60.00	-65.00	904200.4583	1223081.5236
Y3	15+44.00	-40.00	904378.6039	1223248.4648
Y3	15+63.00	111.26	904454.6556	1223380.9166
Y3	15+76.00	35.00	904436.9198	1223303.2926
Y3	16+19.46	35.00	904476.8850	1223258.8459
Y3	16+19.46	-40.00	904410.7428	1223223.4875
Y3	16+55.00	-40.00	904427.4994	1223192.1423
Y3	16+55.00	35.00	904493.6415	1223227.5006

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	12+75.00	62.71	904802.2823	1223822.1316
Y4	13+06.00	29.96	904815.8138	1223777.4565

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y5	11+40.00	-35.00	905245.7021	1223839.7095
Y5	11+46.70	30.00	905308.7830	1223856.7593
Y5	12+48.00	-45.00	905300.6094	1223729.9696
Y5	12+66.60	30.00	905367.4811	1223768.8515
Y5	13+00.00	-25.00	905353.7984	1223705.9757
Y5	13+00.00	30.00	905391.6902	1223745.8406

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y6	11+00.00	24.95	905675.9837	1224045.3516

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y7	18+20.00	12.00	905390.0636	1224410.5933
Y7	18+67.10	-12.00	905429.5967	1224375.5017
Y7	20+80.00	-75.00	905585.6643	1224250.7441

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y8	11+60.00	-33.83	905727.9619	1224451.7040
Y8	12+10.00	32.29	905669.4582	1224513.5724
Y8	12+10.00	-28.74	905729.7755	1224504.2751

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y8A	10+88.79	59.60	905577.1222	1224433.8173
Y8A	11+82.00	-62.93	905580.1659	1224581.3467
Y8A	12+48.39	-20.39	905517.7126	1224595.8069

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y10	10+93.08	19.96	907045.8278	1222950.4303
Y10	10+93.08	-20.04	907069.3745	1222918.0943
Y10	11+35.00	19.68	907079.8773	1222974.8809
Y10	11+35.00	-20.32	907103.4240	1222942.5448

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y11	13+00.00	30.84	907322.1779	1221876.0338
Y11	13+50.00	-33.51	907393.0973	1221916.2243
Y11	14+41.00	44.00	907321.9560	1222011.6655

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
DR16	10+96.12	-31.36	905742.8289	1224333.5796

I, Adam C. Hales, 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 3/30/2026 to 4/22/2026, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of May, 2026.

DocuSigned by:
Adam Hales
E91DD8C1163E43D

Professional Land Surveyor L-4980

PROJECT REFERENCE NO.

U-5810

SHEET NO.

RW03E-1

Location and Surveys

Dewberry

Dewberry Engineers Inc.

550 West G Street, Suite 200

Charlotte, NC 28201

Phone: 704.388.8879

Fax: 704.388.8871

www.dewberry.com

NCELS # 0000

PROJECT SURVEYOR

PROFESSIONAL

SEAL

L-4980

LAND SURVEYOR

ADAM C. HALES

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED 03/2022 TO 04/2026 .

REVISIONS

6/2/99

30-APR-2026 13:51
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PERMANENT EASEMENT CONTROL SHEET

ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
L	10+74.00	-125.00	902585.2281	1221711.0565
L	10+74.00	-86.23	902557.6779	1221738.3369
L	11+62.00	-76.00	902612.3282	1221808.0647
L	11+62.00	-40.91	902587.3940	1221832.7546
L	11+99.00	-78.00	902639.7832	1221832.9489
L	16+70.00	29.63	902888.6975	1222250.9783
L	17+40.00	42.00	902934.3902	1222307.4111
L	18+46.00	-50.00	903074.3157	1222300.2069
L	18+46.00	-30.27	903062.6686	1222316.1308
L	18+73.00	-50.00	903095.5602	1222315.4738
L	18+73.00	-58.00	903100.1741	1222308.9383
L	19+40.00	75.00	903081.0321	1222456.5379
L	19+40.00	40.00	903100.2512	1222427.2868
L	20+55.00	60.00	903183.9444	1222506.7526
L	20+55.00	30.00	903201.0043	1222482.0755
L	21+85.00	-58.00	903358.5998	1222490.2894
L	21+85.00	-30.00	903340.9642	1222512.0376
L	21+85.00	-90.00	903378.7548	1222465.4342
L	22+15.00	-30.00	903364.5062	1222531.4746
L	22+15.00	-71.00	903390.8877	1222500.0896
L	22+15.00	-90.00	903403.1132	1222485.5453
L	22+23.00	-71.00	903397.0625	1222505.2896
L	22+23.00	-60.00	903389.9760	1222513.7027
L	24+84.00	-55.00	903586.3749	1222685.6720
L	24+84.00	-73.00	903597.9711	1222671.9051
L	25+02.00	-73.00	903611.7380	1222683.5014
L	25+02.00	-56.00	903600.7860	1222696.5034
L	25+02.00	-30.00	903584.0359	1222716.3890
L	25+04.00	35.00	903543.6903	1222767.3913
L	25+11.00	60.00	903532.9383	1222791.0216
L	25+26.00	35.00	903560.5166	1222781.5644
L	25+33.00	60.00	903549.7645	1222805.1948
L	27+54.00	-95.00	903818.6478	1222829.0222
L	27+54.00	-108.00	903827.0229	1222819.0795
L	27+72.00	-97.00	903833.7032	1222839.0888
L	27+72.00	-108.00	903840.7898	1222830.6757
L	28+89.00	-112.00	903932.8516	1222902.9918
L	28+89.00	-123.00	903939.9382	1222894.5787
L	29+07.00	-123.00	903953.7051	1222906.1749
L	29+07.00	-112.00	903946.6185	1222914.5881
L	29+65.00	-114.00	903992.2670	1222950.4240
L	30+20.00	-129.00	904043.9961	1222974.3845
L	30+20.00	-117.00	904036.2652	1222983.5624
L	30+39.00	-129.00	904058.5278	1222986.6249
L	30+39.00	-114.53	904049.2070	1222997.6905
L	31+49.00	145.00	903957.6223	1223261.0624
L	31+60.00	160.00	903952.4699	1223277.0896
L	31+76.00	126.00	903984.9601	1223261.9045
L	31+81.00	133.00	903982.2920	1223269.3615
L	31+93.00	147.00	903977.5176	1223285.1039
L	31+98.00	153.00	903975.2252	1223291.6608
L	33+16.00	35.00	904125.6815	1223306.8954
L	33+62.00	35.00	904143.0953	1223345.9543
L	36+07.00	-283.70	904513.3139	1223501.2343
L	36+93.00	-267.33	904510.0393	1223541.6256
L	37+39.00	-327.00	904571.2528	1223530.5470
L	37+45.00	-315.00	904561.8704	1223538.2983
L	37+81.00	-285.00	904543.9365	1223565.9680
L	37+88.00	-330.00	904582.2726	1223542.2657
L	37+93.00	-318.00	904573.4955	1223550.6152
L	40+35.00	35.00	904485.3991	1223922.1306
L	40+35.00	60.00	904474.6674	1223944.7101
L	41+40.00	90.00	904579.1067	1224012.7031
L	41+50.00	125.00	904583.5058	1224049.5101
L	41+85.00	115.00	904628.2188	1224047.0673
L	41+85.00	35.00	904638.9388	1223967.7888
L	41+85.00	-180.25	904667.7822	1223754.4794
L	42+34.00	-185.35	904707.3507	1223753.0066
L	44+11.00	35.00	904866.0005	1223986.9144
L	44+61.00	35.00	904915.8375	1223990.9475
L	47+27.00	-55.25	905189.0971	1223922.6460
L	47+41.00	-92.00	905207.8643	1223887.6440
L	47+51.00	-86.00	905218.0067	1223894.8632
L	47+64.00	-113.27	905235.6787	1223869.6320
L	51+05.00	-77.00	905579.5426	1224016.5371
L	51+05.00	-53.60	905568.6935	1224037.2727
L	51+23.00	-76.88	905596.6036	1224025.7996
L	52+43.00	-87.02	905708.6442	1224082.0964
L	52+60.00	-110.00	905735.2888	1224071.7440

ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
L2	53+88.89	-158.76	905745.8577	1224092.4639
L2	53+95.90	-168.34	905752.1987	1224082.4236
L2	54+25.00	76.50	905797.8383	1224324.7293
L2	54+67.00	85.00	905840.3181	1224330.3614
L2	55+50.00	85.00	905934.5174	1224317.9125
L2	56+85.00	55.00	906068.7019	1224238.4594
L2	56+85.00	40.19	906061.9260	1224225.2865

ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
L2	57+41.50	39.56	906113.6807	1224194.3802
L2	57+41.50	53.00	906120.9376	1224205.6901
L2	57+58.50	40.28	906128.8598	1224185.3157
L2	57+58.50	53.00	906135.9079	1224195.9075
L2	58+05.00	-85.00	906094.3939	1224056.6047
L2	58+05.00	-40.00	906121.0046	1224092.8934
L2	58+40.00	-100.00	906110.6558	1224025.4073
L2	59+00.00	-40.00	906191.9917	1224035.5710
L2	59+00.00	-55.00	906182.0349	1224024.3521
L2	60+94.00	-57.00	906305.3468	1223889.0186
L2	60+94.00	-40.00	906318.8315	1223899.3706
L2	61+02.00	-40.00	906323.4880	1223893.2554
L2	61+02.00	-57.00	906309.9226	1223883.0095
L2	62+42.50	70.50	906493.2648	1223835.0595
L2	62+42.50	61.01	906485.0481	1223830.3194
L2	62+70.00	-192.00	906279.6286	1223680.0690
L2	62+74.00	-212.11	906264.2103	1223666.5566
L2	62+77.00	-193.00	906282.2603	1223673.5059
L2	62+91.00	-213.10	906271.8496	1223651.3376
L2	62+91.00	-40.00	906421.7848	1223737.8324
L2	62+93.00	-196.00	906287.6568	1223658.1476
L2	63+01.00	-197.00	906290.7881	1223650.7183
L2	63+13.00	63.00	906521.9968	1223770.2446
L2	63+15.00	75.00	906533.3906	1223774.5085
L2	63+23.00	-40.00	906437.7751	1223710.1140
L2	63+31.00	56.00	906524.9279	1223751.1551
L2	63+31.00	72.00	906538.7872	1223759.1502
L2	63+46.00	56.00	906532.4234	1223738.1621
L2	63+46.00	49.24	906526.5670	1223734.7837
L2	63+80.00	50.79	906544.8971	1223706.1061
L2	63+80.00	60.00	906552.8778	1223710.7100
L2	64+60.00	54.43	906588.0268	1223638.6295
L2	64+60.00	-40.00	906506.2333	1223591.4444
L2	64+60.00	70.00	906601.5154	1223646.4108
L2	64+75.00	-125.00	906440.1016	1223535.9773
L2	65+20.00	-120.00	906466.9168	1223499.5002
L2	65+23.00	-40.00	906537.7120	1223536.8772
L2	65+35.00	-90.00	906500.3983	1223501.4981
L2	67+05.00	-40.00	906635.7715	1223379.4231
L2	67+10.00	-195.00	906512.2043	1223285.6945
L2	67+45.00	-195.00	906535.3652	1223253.7468
L2	67+55.00	-40.00	906665.9552	1223337.9313
L2	69+90.00	40.00	906873.0534	1223196.6005
L2	69+90.00	50.00	906881.4100	1223202.0931
L2	70+50.00	65.00	906927.3497	1223156.6305
L2	72+00.00	43.55	906979.0726	1223007.1906
L2	72+00.00	-41.00	906901.4064	1222973.7638
L2	72+15.00	-60.00	906889.5067	1222953.1279
L2	72+45.00	-41.00	906917.8380	1222933.5298
L2	73+55.00	56.16	907045.0101	1222859.4171
L2	74+82.01	57.19	907079.7354	1222736.6405
L2	76+00.00	65.00	907118.3966	1222624.8952
L2	76+30.80	68.58	907129.7242	1222598.8711
L2	76+30.80	30.00	907092.9384	1222587.2304
L2	76+48.00	70.00	907135.9153	1222584.6476
L2	76+63.00	54.00	907125.4282	1222566.4341
L2	76+64.00	66.00	907136.9996	1222569.7419
L2	77+12.00	30.00	907120.7141	1222514.7999
L2	77+40.00	30.00	907132.2692	1222490.6624
L2	77+40.00	60.00	907159.0560	1222504.1704
L2	77+43.00	81.00	907179.0006	1222511.2716
L2	77+60.00	86.00	907190.3657	1222500.3944
L2	77+70.00	62.00	907173.6511	1222481.0052
L2	77+75.00	-54.03	907075.1155	1222419.5434
L2	77+82.00	-67.00	907067.6896	1222406.4609
L2	77+84.00	67.00	907184.2975	1222472.5107
L2	77+95.00	30.00	907157.8126	1222444.7283
L2	78+00.00	-72.00	907073.6467	1222386.8785
L2	78+02.00	60.00	907186.7736	1222454.9251
L2	78+13.00	-68.00	907084.6962	1222376.9153
L2	78+18.27	-49.56	907103.2719	1222382.1939
L2	78+35.00	50.00	907195.1091	1222424.0992
L2	78+55.00	30.00	907189.8098	1222397.1523
L2	78+87.26	56.62	907230.1095	1222388.2417
L2	78+99.00	58.00	907238.3676	1222379.7814
L2	79+11.00	82.50	907265.0997	1222385.2259
L2	79+14.00	79.00	907264.1577	1222380.7134
L2	79+22.50	93.00	907280.4358	1222382.5230
L2	79+26.50	89.00	907279.7079	1222376.9132
L2	79+61.22	47.52	907268.0328	1222324.0981
L2	80+01.47	148.97	907372.9672	1222354.1221
L2	80+19.82	-49.69	907226.7893	1222218.3483
L2	80+36.56	105.97	907360.3096	1222300.0778
L2	80+66.12	-56.39	907249.7339	1222177.5815

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 3/2022 TO 4/2026 .

PROJECT REFERENCE NO.

U-5810

SHEET NO.

RW03E-2

Location and Surveys

Dewberry

Dewberry Engineers Inc.

550 West Greene Hwy, Suite 200

Chapel Hill, NC 27514

Phone: 704.658.8899

Fax: 704.658.8897

www.dewberry.com

MSLS License #1-0287

PROJECT SURVEYOR

ADAM C. HALES

PROFESSIONAL LAND SURVEYOR

SEAL

L-4980

NORTH CAROLINA

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Adam C. Hales, 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 3/30/2026 to 4/22/2026, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.16

PERMANENT EASEMENT CONTROL SHEET

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
RAB3	13+00.00	75.00	907238.1665	1222112.4539
RAB3	13+03.00	105.50	907206.7663	1222110.5344

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	17+68.00	85.00	902310.6086	1221541.2463
Y1	17+87.00	69.48	902330.7860	1221551.9172
Y1	17+93.00	110.00	902293.9131	1221569.4870
Y1	18+11.00	95.00	902312.7147	1221579.5526
Y1	18+25.00	82.55	902327.9739	1221587.8116
Y1	18+31.41	-100.00	902506.1010	1221547.3487
Y1	19+48.00	-114.00	902548.9489	1221656.6800
Y1	21+98.00	81.00	902285.9480	1221678.3881
Y1	22+09.00	76.00	902274.9219	1221683.3303
Y1	22+09.00	-50.07	902274.2602	1221809.4017
Y1	22+12.00	40.00	902271.7330	1221719.3141
Y1	22+18.00	-53.00	902265.2450	1221812.2813
Y1	22+26.00	-77.00	902257.1191	1221836.2390
Y1	22+33.00	-48.00	902250.2714	1221807.2027
Y1	22+41.00	-72.00	902242.1456	1221831.1604

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	16+16.00	35.00	904474.5406	1223263.0357
Y3	16+16.00	47.00	904484.8983	1223269.0952
Y3	16+31.00	46.00	904492.0277	1223253.8520
Y3	16+31.00	35.00	904482.3269	1223248.6661

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y8A	12+39.77	25.32	905480.5460	1224567.8252
Y8A	12+51.15	41.27	905460.2221	1224573.3257
Y8A	12+75.64	23.27	905467.4995	1224606.9880

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y11	11+90.00	55.00	907274.2452	1221779.0830
Y11	11+90.00	30.19	907298.0732	1221772.1739
Y11	12+89.00	55.00	907296.5344	1221870.0452
Y11	14+27.75	117.88	907247.8071	1222001.4077
Y11	14+35.74	88.37	907277.4974	1222007.6798
Y11	14+85.00	160.00	907205.6885	1222050.4088
Y11	15+00.00	155.00	907210.2637	1222065.5438
Y11	15+00.00	142.00	907223.2585	1222065.9103

• NOT SET

• NOT SET

• PK NAIL

• PK NAIL

• PK NAIL

• PK NAIL

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
DR3	13+80.36	40.09	904189.5447	1223763.2637
DR3	14+24.37	58.46	904211.1589	1223778.9123
DR3	14+47.84	-32.97	904246.8132	1223691.5098
DR3	14+63.84	-11.46	904259.7423	1223714.9861

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
DR8	11+79.25	97.91	905036.6565	1224159.2412
DR8	11+84.06	86.34	905043.5242	1224148.7610
DR8	11+95.02	104.28	905050.9623	1224168.4251
DR8	12+08.31	71.85	905080.3748	1224139.7039

PROJECT REFERENCE NO.
U-5810

SHEET NO.
RW03E-3

Location and Surveys



Dewberry Engineers Inc.
2500 West G Street, Suite 200
Charlotte, NC 28208
Phone: 704.388.8876
Fax: 704.388.8877
www.dewberry.com
NCELS # 91-0287

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Adam C. Hales, 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 3/30/2026 to 4/22/2026, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of May, 2026.

DocuSigned by:

EB1DDBC1163E43D...

Professional Land Surveyor L-4980

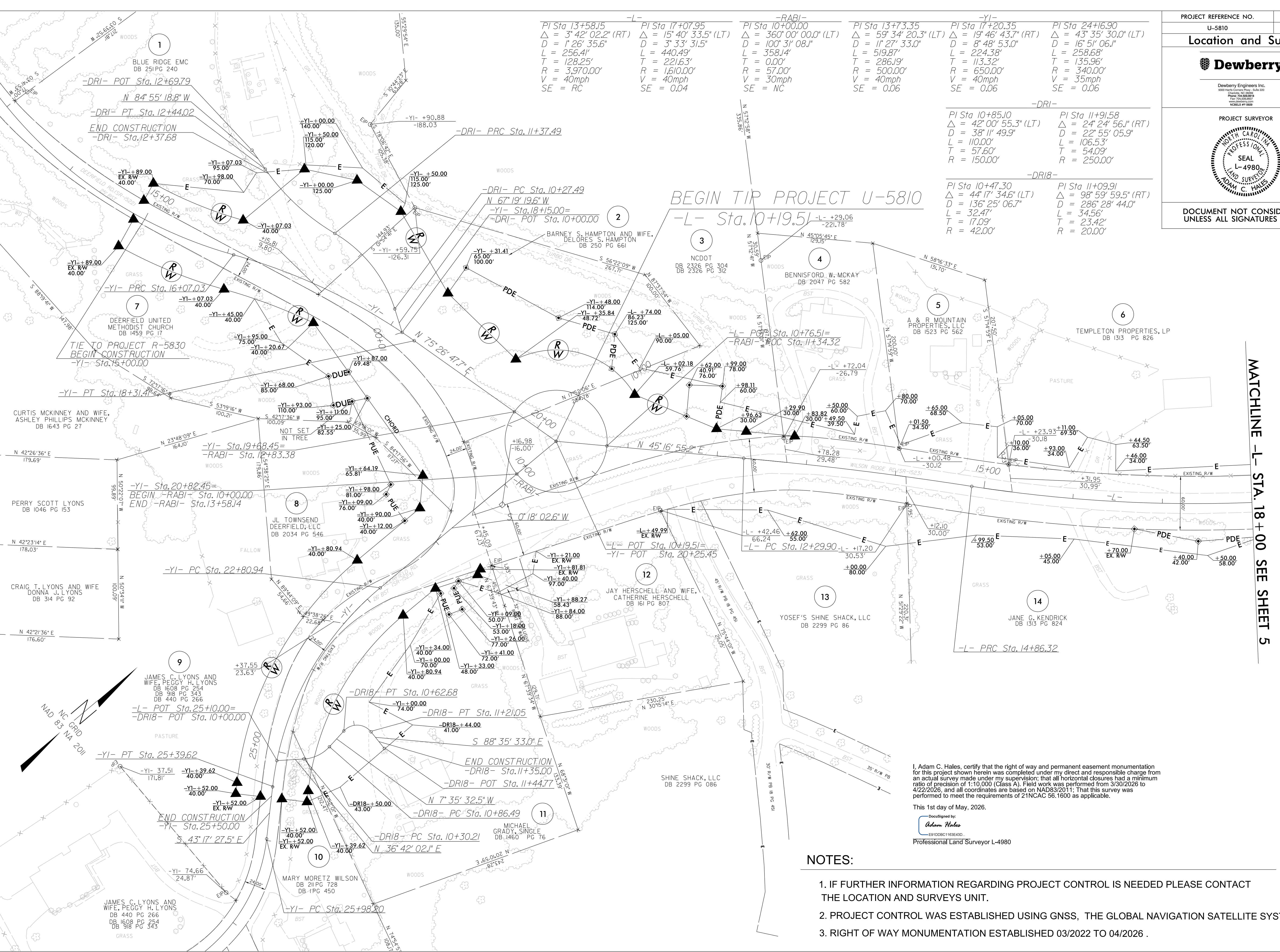
NOTES:

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 3/2022 TO 4/2026 .

6/2/2019

30-APR-2026 14:08
C:\P\Projects\U5810.CON\DEL_4\U5810_1s-rw04.dgn
custaples

REVISIONS



$PI\ Sta\ 13+58.15$ $\Delta = 3^{\circ} 42' 02.2'' (RT)$ $D = 1^{\circ} 26' 35.6''$ $L = 256.41'$ $T = 128.25'$ $R = 3,970.00'$ $V = 40mph$ $SE = RC$	$PI\ Sta\ 17+07.95$ $\Delta = 15^{\circ} 40' 33.5'' (LT)$ $D = 3^{\circ} 33' 31.5''$ $L = 440.49'$ $T = 221.63'$ $R = 1,610.00'$ $V = 40mph$ $SE = 0.04$	$PI\ Sta\ 10+00.00$ $\Delta = 360^{\circ} 00' 00.0'' (LT)$ $D = 100^{\circ} 31' 08.1''$ $L = 358.14'$ $T = 0.00'$ $R = 57.00'$ $V = 30mph$ $SE = NC$	$PI\ Sta\ 13+73.35$ $\Delta = 59^{\circ} 34' 20.3'' (LT)$ $D = 11^{\circ} 27' 33.0''$ $L = 519.87'$ $T = 286.19'$ $R = 500.00'$ $V = 40mph$ $SE = 0.06$	$PI\ Sta\ 17+20.35$ $\Delta = 19^{\circ} 46' 43.7'' (RT)$ $D = 8^{\circ} 48' 53.0''$ $L = 224.38'$ $T = 113.32'$ $R = 650.00'$ $V = 40mph$ $SE = 0.06$	$PI\ Sta\ 24+16.90$ $\Delta = 43^{\circ} 35' 30.0'' (LT)$ $D = 16^{\circ} 51' 06.1''$ $L = 258.68'$ $T = 135.96'$ $R = 340.00'$ $V = 35mph$ $SE = 0.06$
--	---	---	--	---	--

$PI\ Sta\ 10+85.10$ $\Delta = 42^{\circ} 00' 55.3'' (LT)$ $D = 38^{\circ} 11' 49.9''$ $L = 110.00'$ $T = 57.60'$ $R = 150.00'$	$PI\ Sta\ 11+91.58$ $\Delta = 24^{\circ} 24' 56.1'' (RT)$ $D = 22^{\circ} 55' 05.9''$ $L = 106.53'$ $T = 54.09'$ $R = 250.00'$
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$PI\ Sta\ 10+47.30$ $\Delta = 44^{\circ} 17' 34.6'' (LT)$ $D = 136^{\circ} 25' 06.7''$ $L = 32.47'$ $T = 17.09'$ $R = 42.00'$	$PI\ Sta\ 11+09.91$ $\Delta = 98^{\circ} 59' 59.5'' (RT)$ $D = 286^{\circ} 28' 44.0''$ $L = 34.56'$ $T = 23.42'$ $R = 20.00'$
--	--

BEGIN TIP PROJECT U-5810

MATCHLINE -L- STA. 18+00 SEE SHEET 5

I, Adam C. Hales, 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 3/30/2026 to 4/22/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of May, 2026.
DocuSigned by:
Adam Hales
E910BC1163E43D
Professional Land Surveyor L-4980

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 03/2022 TO 04/2026 .

REVISIONS

-L-		-DR17-	
PI Sta 17+07.95	PI Sta 21+15.96	PI Sta 10+63.94	PI Sta 11+46.61
$\Delta = 15^{\circ} 40' 33.5''$ (LT)	$\Delta = 6^{\circ} 48' 06.0''$ (RT)	$\Delta = 1^{\circ} 43' 05.2''$ (RT)	$\Delta = 43^{\circ} 31' 36.1''$ (LT)
$D = 3^{\circ} 33' 31.5''$	$D = 3^{\circ} 22' 13.2''$	$D = 4^{\circ} 02' 05.7''$	$D = 114^{\circ} 35' 29.6''$
$L = 440.49'$	$L = 201.81'$	$L = 42.58'$	$L = 37.98'$
$T = 221.63'$	$T = 101.02'$	$T = 21.29'$	$T = 19.96'$
$R = 1,610.00'$	$R = 1,700.00'$	$R = 1,420.00'$	$R = 50.00'$
$V = 40\text{mph}$	$V = 40\text{mph}$	$V = 20\text{mph}$	$V = 15\text{mph}$ (Stop Cond.)
$SE = 0.04$	$SE = 0.04$	$SE = \text{EXIST.}$	$SE = 0.05$

I, Adam C. Hales, 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 3/30/2026 to 4/22/2026, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 58.1600 as applicable.

This 1st day of May, 2026.

DocuSigned by:
Adam Hales
E91D08C11E3E43D

Professional Land Surveyor L-4980

PROJECT REFERENCE NO.
U-5810

SHEET NO.
RW05

Location and Surveys

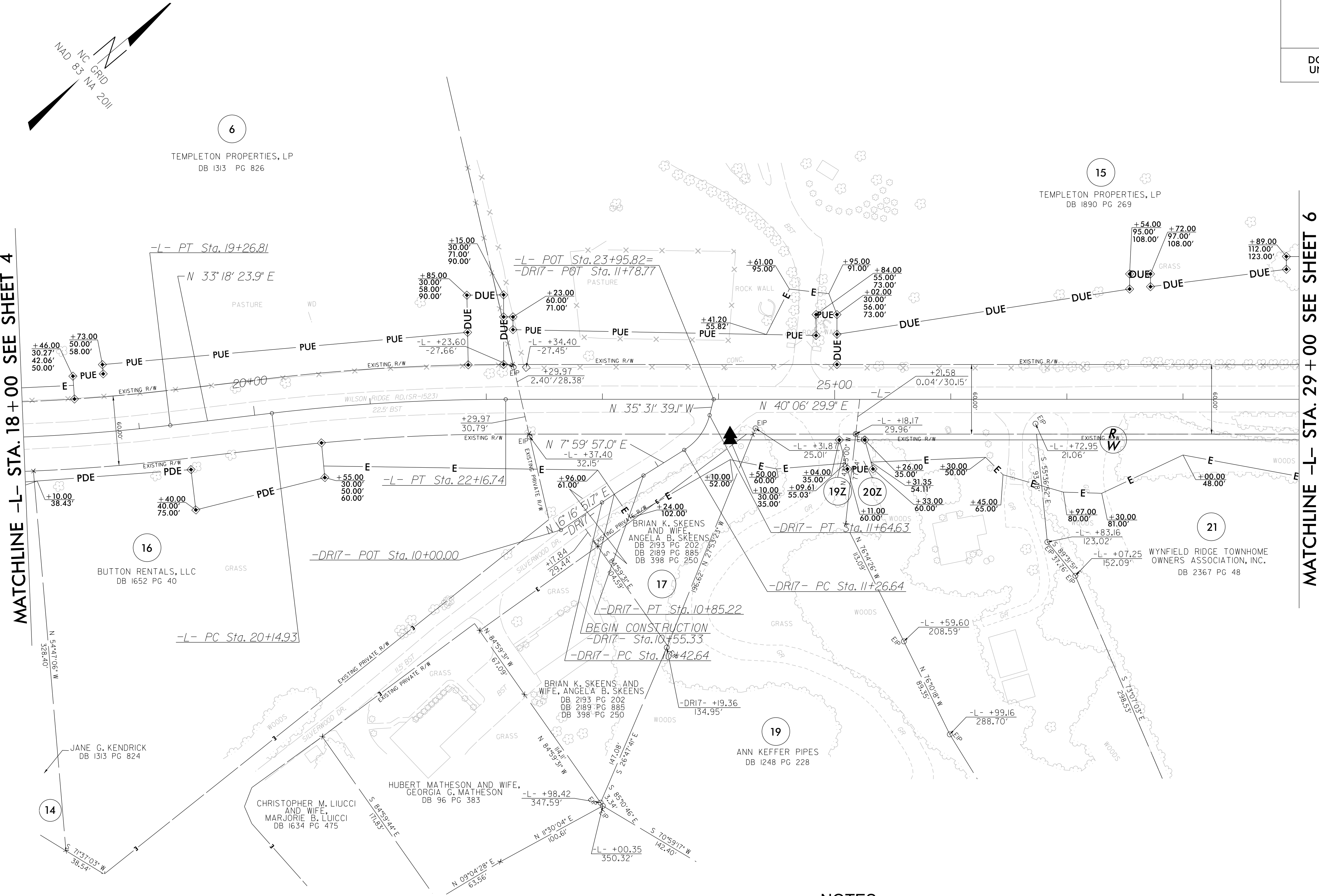


Dewberry Engineers Inc.
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Phone: 704.638.8818
Fax: 704.638.8817
www.dewberry.com
NCBLS # 147-2629

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



NOTES:

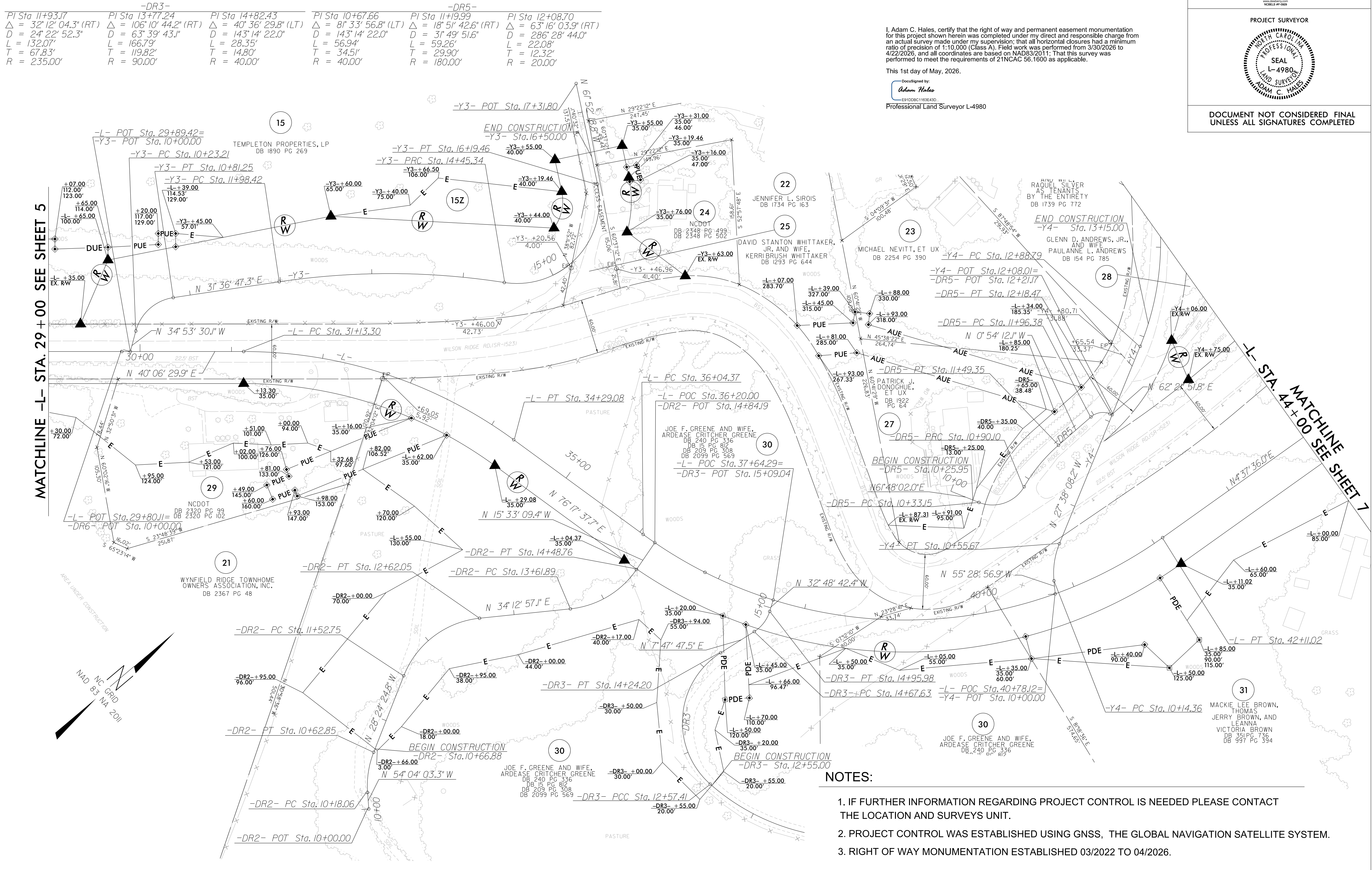
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03/2022 TO 04/2026.

6/2/2026

30-APR-2026 14:33
C:\P\05810.CON\DEL_4\U5810_1s_rw06.dgn
custaples AT M200N210

REVISIONS

-L-		-Y3-		-Y4-		-DR2-	
PI Sta 32+76.66 Δ = 36° 11' 07.8" (RT) D = 11° 27' 33.0" L = 315.78' T = 163.36' R = 500.00' V = 40mph SE = 0.06	PI Sta 39+54.60 Δ = 71° 40' 02.1" (LT) D = 11° 48' 48.8" L = 606.65' T = 350.23' R = 485.00' SE = 0.06	PI Sta 10+55.99 Δ = 66° 30' 17.4" (RT) D = 11° 35' 29.6" L = 58.04' T = 32.78' R = 50.00' V = 15mph (Stop Cond.) SE = 0.04	PI Sta 13+22.83 Δ = 17° 21' 33.6" (RT) D = 7° 01' 48.6" L = 246.93' T = 124.42' R = 815.00' V = 25mph (-DET-) SE = 0.04	PI Sta 15+75.91 Δ = 110° 50' 39.7" (LT) D = 63° 39' 43.1" L = 174.11' T = 130.57' R = 90.00' V = 20mph SE = 0.04	PI Sta 10+35.43 Δ = 27° 50' 48.7" (RT) D = 67° 24' 24.5" L = 41.31' T = 21.07' R = 85.00' SE = 0.06	PI Sta 13+52.74 Δ = 24° 03' 55.4" (LT) D = 19° 05' 54.9" L = 126.01' T = 63.95' R = 300.00' V = 20mph SE = 0.05	PI Sta 10+40.84 Δ = 25° 39' 38.5" (RT) D = 57° 17' 44.8" L = 44.79' T = 22.78' R = 100.00'
-DR3-		-Y3-		-Y4-		-DR2-	
PI Sta 11+93.17 Δ = 32° 12' 04.3" (RT) D = 24° 22' 52.3" L = 132.07' T = 67.83' R = 235.00'	PI Sta 13+77.24 Δ = 106° 10' 44.2" (RT) D = 63° 39' 43.1" L = 166.79' T = 119.82' R = 90.00'	PI Sta 14+82.43 Δ = 40° 36' 29.8" (LT) D = 143° 14' 22.0" L = 28.35' T = 14.80' R = 40.00'	PI Sta 10+67.66 Δ = 8° 33' 56.8" (LT) D = 143° 14' 22.0" L = 56.94' T = 34.51' R = 40.00'	PI Sta 11+9.99 Δ = 18° 51' 42.6" (RT) D = 31° 49' 51.6" L = 59.26' T = 29.90' R = 180.00'	PI Sta 12+08.70 Δ = 63° 16' 03.9" (RT) D = 286° 28' 44.0" L = 22.08' T = 12.32' R = 20.00'	PI Sta 12+13.58 Δ = 62° 37' 21.9" (RT) D = 57° 17' 44.8" L = 109.30' T = 60.83' R = 100.00'	PI Sta 14+08.28 Δ = 49° 46' 06.5" (LT) D = 57° 17' 44.8" L = 86.86' T = 46.39' R = 100.00'



I, Adam C. Hales, 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 3/30/2026 to 4/22/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 66.1600 as applicable.

This 1st day of May, 2026.

DocuSigned by:
Adam Hales

ES10D08C11E3E43D
Professional Land Surveyor L-4980

PROJECT REFERENCE NO.
U-5810

SHEET NO.
RW06

Location and Surveys

Dewberry Engineers Inc.
5001 North Carolina Highway 100, Suite 200
Raleigh, NC 27605
Phone: 919.486.0888
Fax: 919.486.0889
www.dewberry.com
NCELS #1000

PROJECT SURVEYOR

PROFESSIONAL
SEAL
L-4980
AND SURVEYOR
ADAM C. HALES

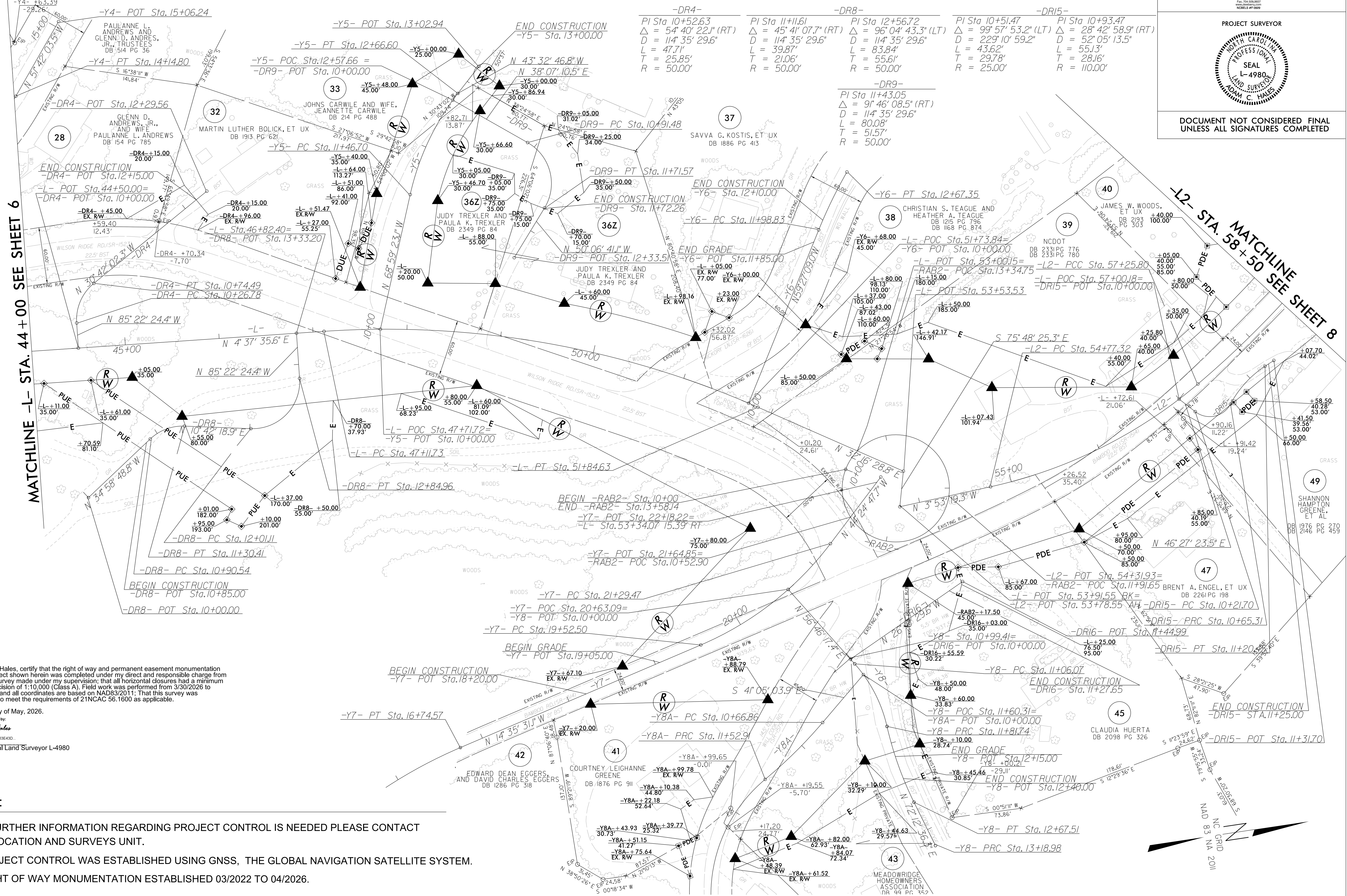
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED 03/2022 TO 04/2026.

REVISIONS

-L-	-L2-	-RAB2-	-Y5-	-Y6-	-Y7-	-Y8-	-Y8A-
PI Sta 49+52.88 Δ = 27° 38' 53.2" (RT) D = 5° 50' 47.4" L = 472.90' T = 241.15' R = 980.00' V = 40mph SE = 0.05	PI Sta 56+04.08 Δ = 27° 54' 56.4" (LT) D = 17° 14' 04.1" L = 248.48' T = 510.00' V = 40mph SE = 0.06	PI Sta 59+82.16 Δ = 28° 12' 56.9" (LT) D = 5° 37' 02.0" L = 502.31' T = 256.36' V = 1,020.00' SE = 0.05	PI Sta 10+00.00 Δ = 360° 00' 00.0" (LT) D = 100° 31' 08.1" L = 358.14' T = 0.00' R = 57.00'	PI Sta 12+07.66 Δ = 25° 26' 36.3" (RT) D = 2° 13' 14.4" L = 119.90' T = 60.95' R = 270.00' V = 20mph SE = 0.03	PI Sta 12+33.14 Δ = 7° 51' 05.9" (RT) D = 1° 27' 33.0" L = 68.52' T = 34.31' R = 500.00' V = 20mph SE = 0.03	PI Sta 20+43.04 Δ = 29° 49' 16.6" (LT) D = 16° 51' 06.1" L = 176.96' T = 90.53' R = 340.00' V = 35mph SE = 0.04	PI Sta 11+44.73 Δ = 28° 54' 09.1" (RT) D = 38° 11' 49.9" L = 75.67' T = 38.66' R = 150.00' V = 20mph SE = 0.04
PI Sta 12+24.82 Δ = 13° 27' 50.2" (LT) D = 15° 41' 50.9" L = 85.77' T = 43.08' R = 365.00' V = 20mph SE = 0.03	PI Sta 12+43.82 Δ = 59° 12' 17.1" (LT) D = 35° 48' 35.5" L = 165.33' T = 90.90' R = 160.00' V = 20mph SE = 0.04	PI Sta 11+09.99 Δ = 9° 51' 39.7" (RT) D = 11° 27' 33.0" L = 86.05' T = 43.13' R = 500.00' V = 20mph SE = 0.03	PI Sta 12+43.82 Δ = 59° 12' 17.1" (LT) D = 35° 48' 35.5" L = 165.33' T = 90.90' R = 160.00' V = 20mph SE = 0.04	PI Sta 10+51.47 Δ = 99° 57' 53.2" (LT) D = 22° 10' 59.2" L = 43.62' T = 29.78' R = 25.00'	PI Sta 10+93.47 Δ = 28° 42' 58.9" (RT) D = 52° 05' 13.5" L = 55.13' T = 28.16' R = 110.00'	PI Sta 10+51.47 Δ = 99° 57' 53.2" (LT) D = 22° 10' 59.2" L = 43.62' T = 29.78' R = 25.00'	PI Sta 10+93.47 Δ = 28° 42' 58.9" (RT) D = 52° 05' 13.5" L = 55.13' T = 28.16' R = 110.00'



I, Adam C. Hales, 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 3/30/2026 to 4/22/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of May, 2026.

DocuSigned by:

Adam Hales
E9100BC1193E43D

Professional Land Surveyor L-4980

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 03/2022 TO 04/2026.

PROJECT REFERENCE NO.
U-5810

SHEET NO.
RW07

Location and Surveys

Dewberry Engineers Inc.
2000 North College Street, Suite 200
Charlotte, NC 28206
Phone: 704.684.8888
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www.dewberry.com
NCSLS #14980

PROJECT SURVEYOR

ADAM C. HALES

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



I, Adam C. Hales, 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 3/30/2026 to 4/22/2026, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of May, 2026.

DocuSigned by:
Adam Hales
E9100BC1163E4D0

Professional Land Surveyor L-4980

PROJECT REFERENCE NO.
U-5810

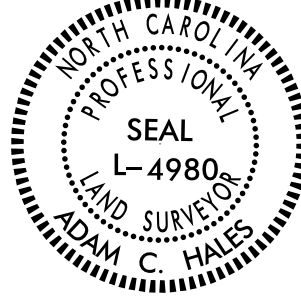
SHEET NO.
RW08

Location and Surveys

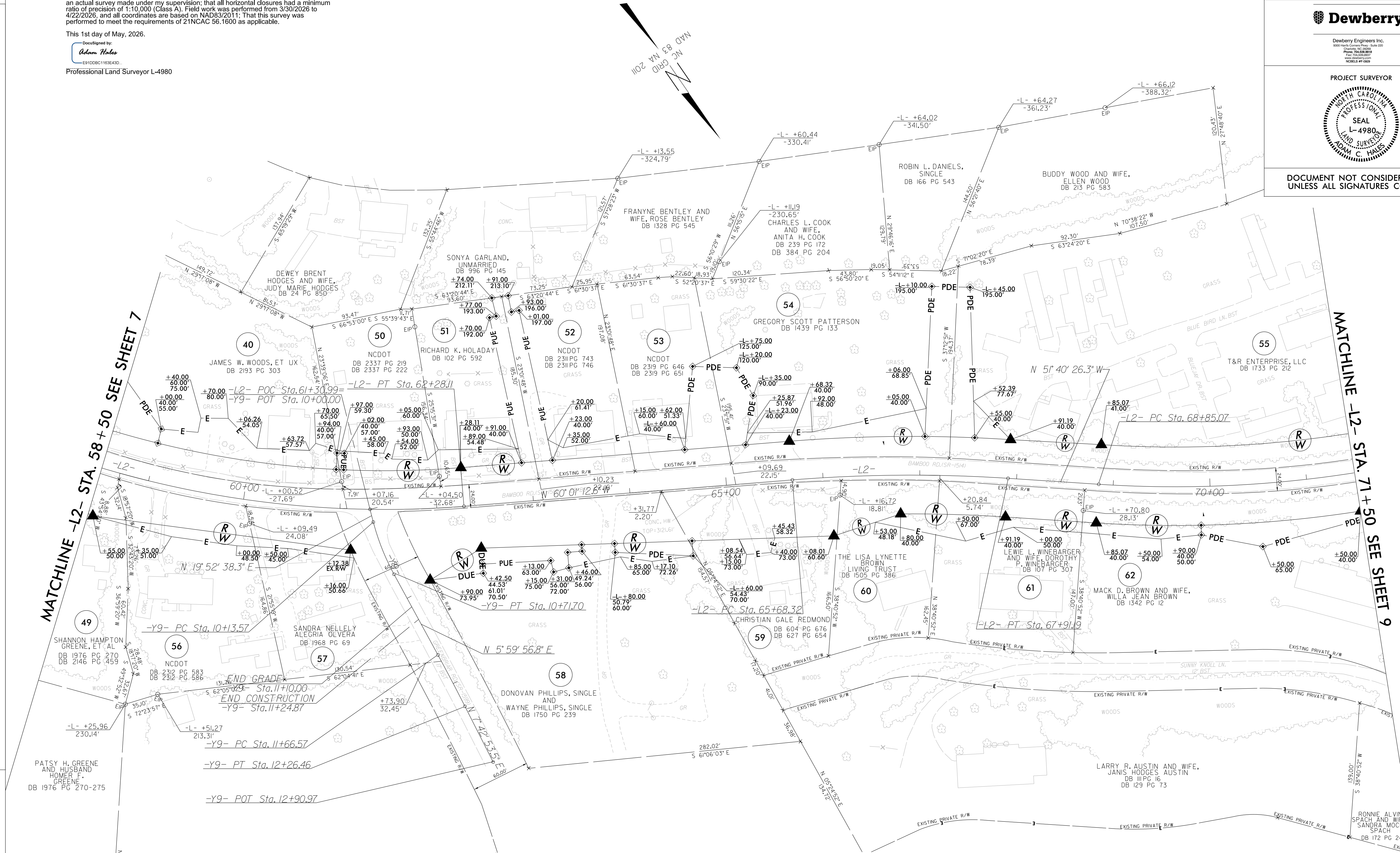


Dewberry Engineers Inc.
2000 North College Street, Suite 200
Charlotte, NC 28203
Phone: 704.366.8819
www.dewberry.com
NCCLAS #10089

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



NOTES:

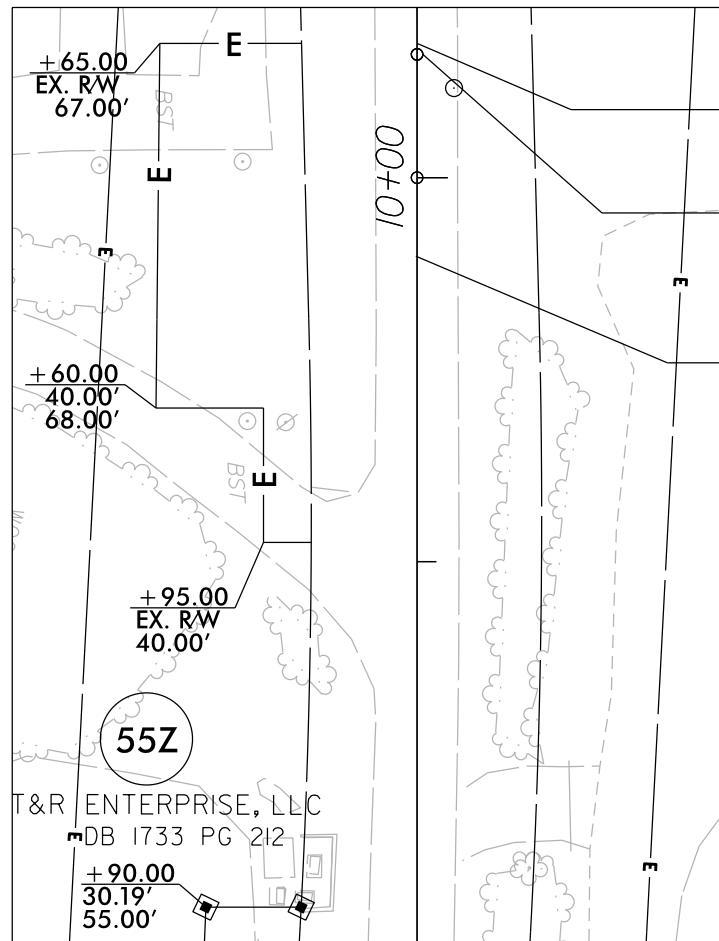
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED 03/2022 TO 04/2026.

	-L2-	-L2-	-L2-	-Y9-
PI Sta	59+82.16	66+79.95	71+29.52	10+42.78
Δ =	28° 12' 56.9" (LT)	Δ = 8° 20' 46.3" (RT)	Δ = 23° 01' 40.0" (LT)	Δ = 13° 52' 41.5" (LT)
D =	5' 37' 02.0"	D = 3' 44' 41.4"	D = 4' 46' 28.7"	D = 23° 52' 23.7"
L =	502.31'	L = 222.87'	L = 482.29'	L = 58.13'
T =	256.36'	T = 111.63'	T = 244.45'	T = 29.21'
R =	1,020.00'	R = 1,530.00'	R = 1,200.00'	R = 240.00'
V =	40mph	V = 40mph	V = 40mph	V = 20mph
SE =	0.05	SE = 0.04	SE = 0.05	SE = 0.03

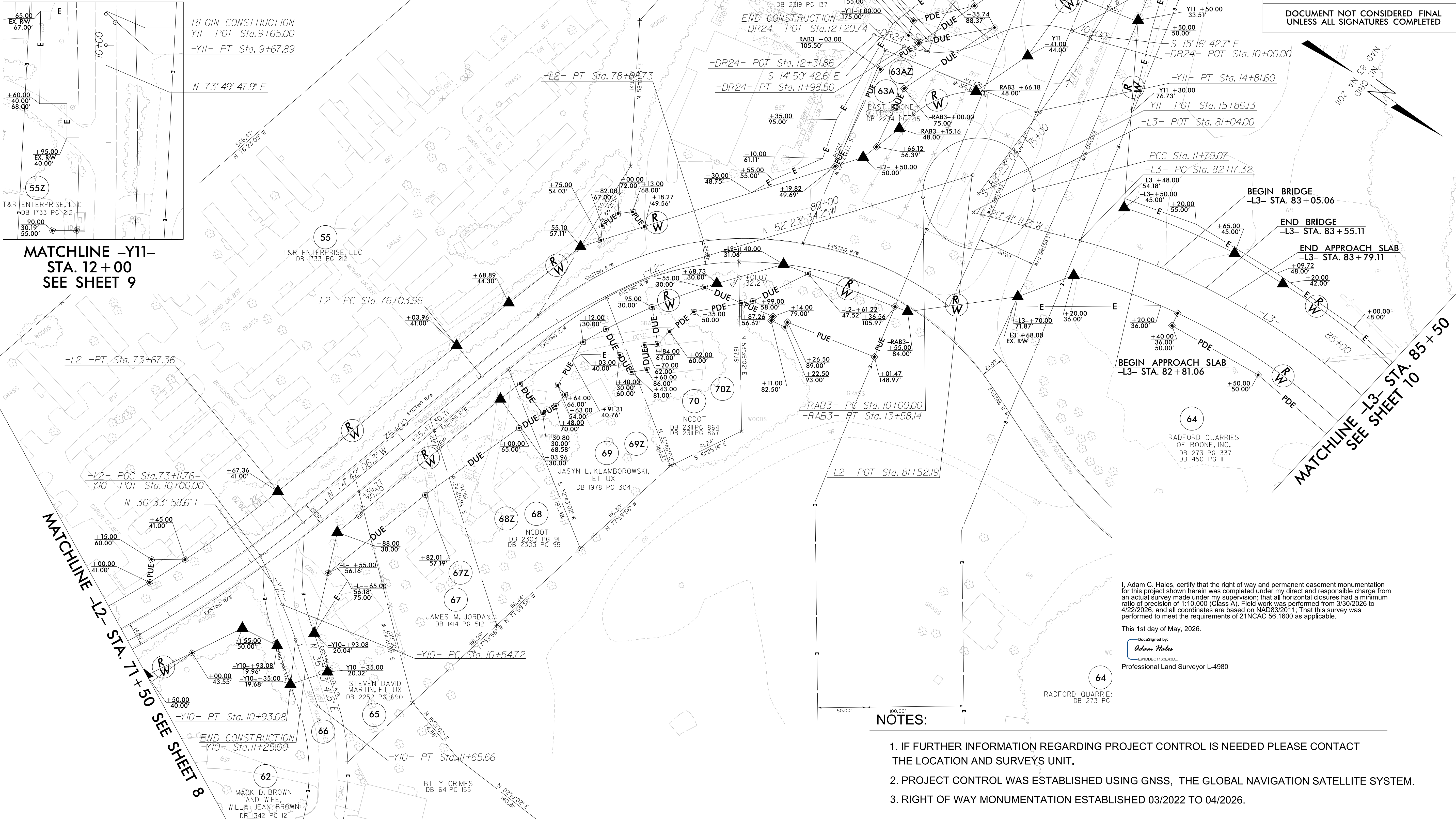
30-APR-2026 15:42
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DUSTAPLES AT M2004Z10

REVISIONS

-L2-		-L3-		-RAB3-		-Y10-	
PI Sta 71+29.52 Δ = 23° 01' 40.0" (LT) D = 4' 46' 28.7" L = 482.29' T = 244.45' R = 1,200.00' V = 40mph SE = 0.05	PI Sta 77+38.04 Δ = 22° 18' 32.2" (RT) D = 8' 25' 33.1" L = 264.77' T = 134.08' R = 680.00' V = 40mph SE = 0.06	PI Sta 84+65.66 Δ = 40° 07' 28.6" (RT) D = 8' 25' 33.1" L = 476.21' T = 248.34' R = 680.00' V = 40mph SE = 0.06	PI Sta 10+00.00 Δ = 360° 00' 00.0" (LT) D = 100' 31' 08.1" L = 358.14' T = 0.00' R = 57.00' V = 30mph SE = NC	PI Sta 10+73.91 Δ = 5° 29' 43.2" (RT) D = 14' 19' 26.2" L = 38.36' T = 19.20' R = 400.00' V = 20mph SE = 0.02	PI Sta 10+00.00 Δ = 360° 00' 00.0" (LT) D = 100' 31' 08.1" L = 358.14' T = 0.00' R = 57.00' V = 30mph SE = NC	PI Sta 10+73.91 Δ = 5° 29' 43.2" (RT) D = 14' 19' 26.2" L = 38.36' T = 19.20' R = 400.00' V = 20mph SE = 0.02	PI Sta 10+00.00 Δ = 360° 00' 00.0" (LT) D = 100' 31' 08.1" L = 358.14' T = 0.00' R = 57.00' V = 30mph SE = NC
-Y11-		-DR24-		-DR25-		-DR25-	
PI Sta 9+33.94 Δ = 0° 40' 43.9" (RT) D = 1' 00' 00.0" L = 67.89' T = 33.94' R = 5,729.58' V = 20mph SE = NC	PI Sta 13+43.04 Δ = 17° 47' 07.7" (RT) D = 6' 21' 58.3" L = 279.37' T = 140.82' R = 900.00' V = 20mph SE = 0.03	PI Sta 10+67.59 Δ = 50° 55' 51.6" (LT) D = 57° 17' 44.8" L = 88.89' T = 47.62' R = 100.00'	PI Sta 11+56.94 Δ = 51° 21' 51.8" (RT) D = 57° 17' 44.8" L = 89.65' T = 48.09' R = 100.00'	PI Sta 10+43.29 Δ = 24° 24' 31.9" (LT) D = 47° 44' 47.3" L = 51.12' T = 25.95' R = 120.00'	PI Sta 11+10.99 Δ = 62° 34' 03.7" (LT) D = 81° 51' 04.0" L = 76.44' T = 42.53' R = 70.00'	PI Sta 10+43.29 Δ = 24° 24' 31.9" (LT) D = 47° 44' 47.3" L = 51.12' T = 25.95' R = 120.00'	PI Sta 11+10.99 Δ = 62° 34' 03.7" (LT) D = 81° 51' 04.0" L = 76.44' T = 42.53' R = 70.00'



MATCHLINE -Y11-
STA. 12+00
SEE SHEET 9



PROJECT REFERENCE NO. U-5810 SHEET NO. RW09

Location and Surveys

Dewberry Engineers Inc. 200 North Carolina Street, Suite 200 Charlotte, NC 28201 Phone: 704.388.8888 Fax: 704.388.8889 www.dewberry.com NC License # 10000

PROJECT SURVEYOR

PROFESSIONAL LAND SURVEYOR SEAL L-4980 ADAM C. HALES

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

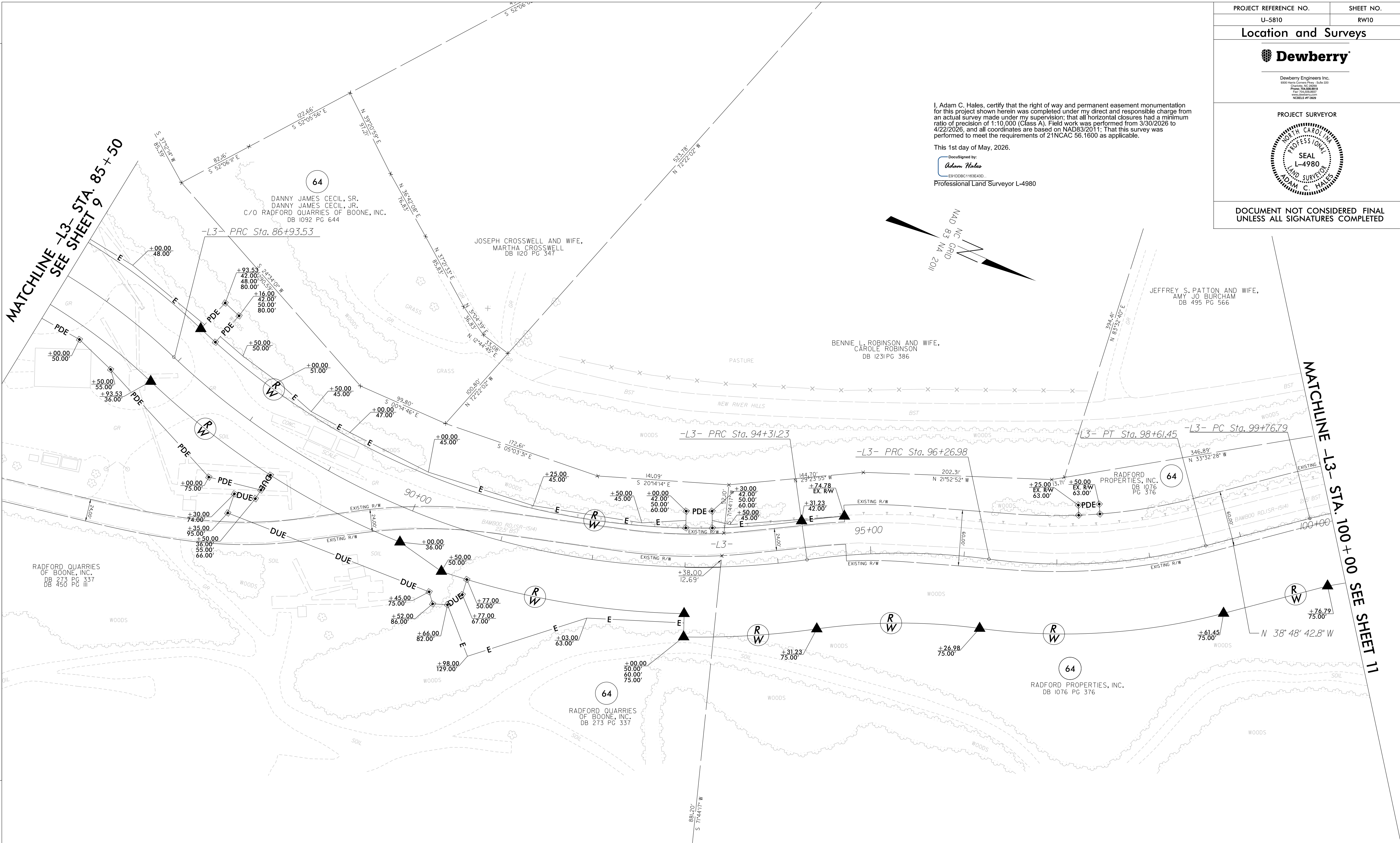
I, Adam C. Hales, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 3/20/2025 to 4/22/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of May, 2026.
Designed by: Adam Hales
Professional Land Surveyor L-4980

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED 03/2022 TO 04/2026.

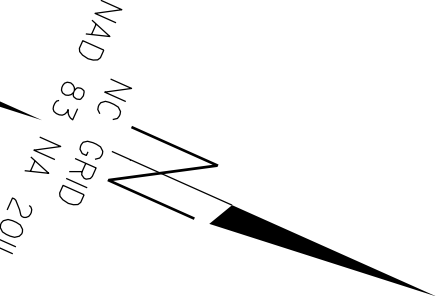
REVISIONS



I, Adam C. Hales, 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 3/30/2026 to 4/22/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of May, 2026.

Drawn by:
Adam Hales
E910DB0C1163E43D...
Professional Land Surveyor L-4980



PROJECT REFERENCE NO.	SHEET NO.
U-5810	RW10
Location and Surveys	
Dewberry Engineers Inc. 8001 West Center Hwy., Suite 300 Charlotte, NC 28209 Phone: 704.586.8818 Fax: 704.586.8877 www.dewberry.com NC REG. # 47088	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
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3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03/2022 TO 04/2026 .

-L3-				
PI Sta 84+65.66 Δ = 40' 07" 28.6" (RT) D = 8' 25' 33.1" L = 476.21' T = 248.34' R = 680.00' V = 40mph SE = 0.06	PI Sta 90+89.45 Δ = 51' 32' 42.8" (LT) D = 6' 59' 14.2" L = 737.70' T = 395.92' R = 820.00' V = 40mph SE = 0.06	PI Sta 95+29.72 Δ = 15' 41' 09.9" (RT) D = 8' 00' 48.2" L = 195.75' T = 98.49' R = 715.00' V = 40mph SE = 0.06	PI Sta 97+45.73 Δ = 22' 23' 27.3" (LT) D = 9' 32' 57.5" L = 234.48' T = 118.75' R = 600.00' V = 40mph SE = 0.06	PI Sta 101+75.91 Δ = 44' 38' 26.5" (RT) D = 11' 48' 48.8" L = 377.88' T = 199.11' R = 485.00' V = 40mph SE = 0.06

REVISIONS

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 03/2022 TO 04/2026.

PROJECT REFERENCE NO.
U-5810

SHEET NO.
RW11

Location and Surveys

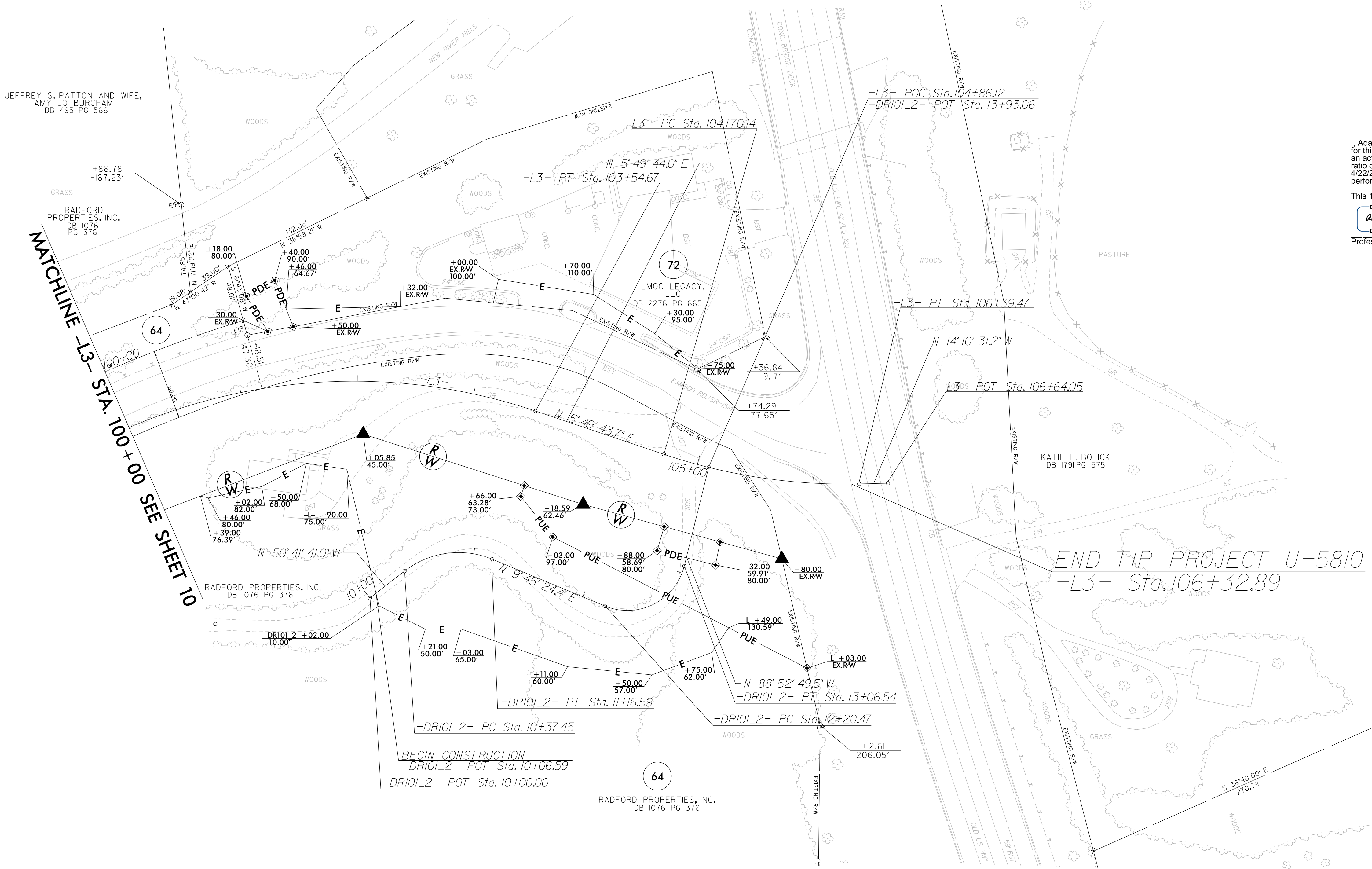
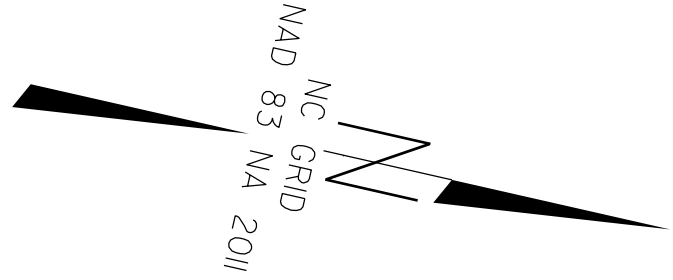


Dewberry Engineers Inc.
2001 Harris Center Hwy., Suite 200
Charlotte, NC 28268
Phone: 704.666.8877
Fax: 704.666.8878
www.dewberry.com
NCELS #11000

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



I, Adam C. Hales, 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 3/30/2026 to 4/22/2026, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of May, 2026.

DocuSigned by:

E91D0BC1163E43D...

Professional Land Surveyor L-4980

-L3-		-DRIOI_2-	
PI Sta 101+75.91	PI Sta 105+55.67	PI Sta 10+81.15	PI Sta 12+78.64
Δ = 44° 38' 26.5" (RT)	Δ = 20° 00' 14.9" (LT)	Δ = 60° 27' 05.3" (RT)	Δ = 98° 38' 13.8" (LT)
D = 11° 48' 48.8"	D = 11° 48' 48.8"	D = 76° 23' 39.7"	D = 114° 35' 29.6"
L = 377.88'	L = 169.33'	L = 79.13'	L = 86.08'
T = 199.11'	T = 85.54'	T = 43.70'	T = 58.17'
R = 485.00'	R = 485.00'	R = 75.00'	R = 50.00'
V = 40mph	V = 40mph		
SE = 0.06	SE = 0.06		