

09/08/99

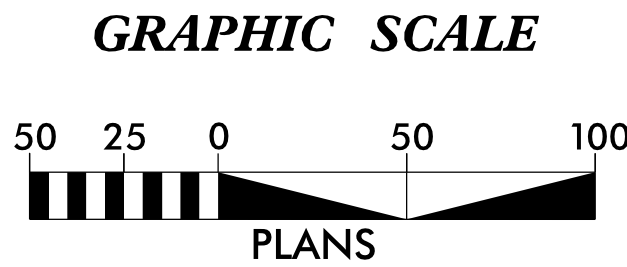
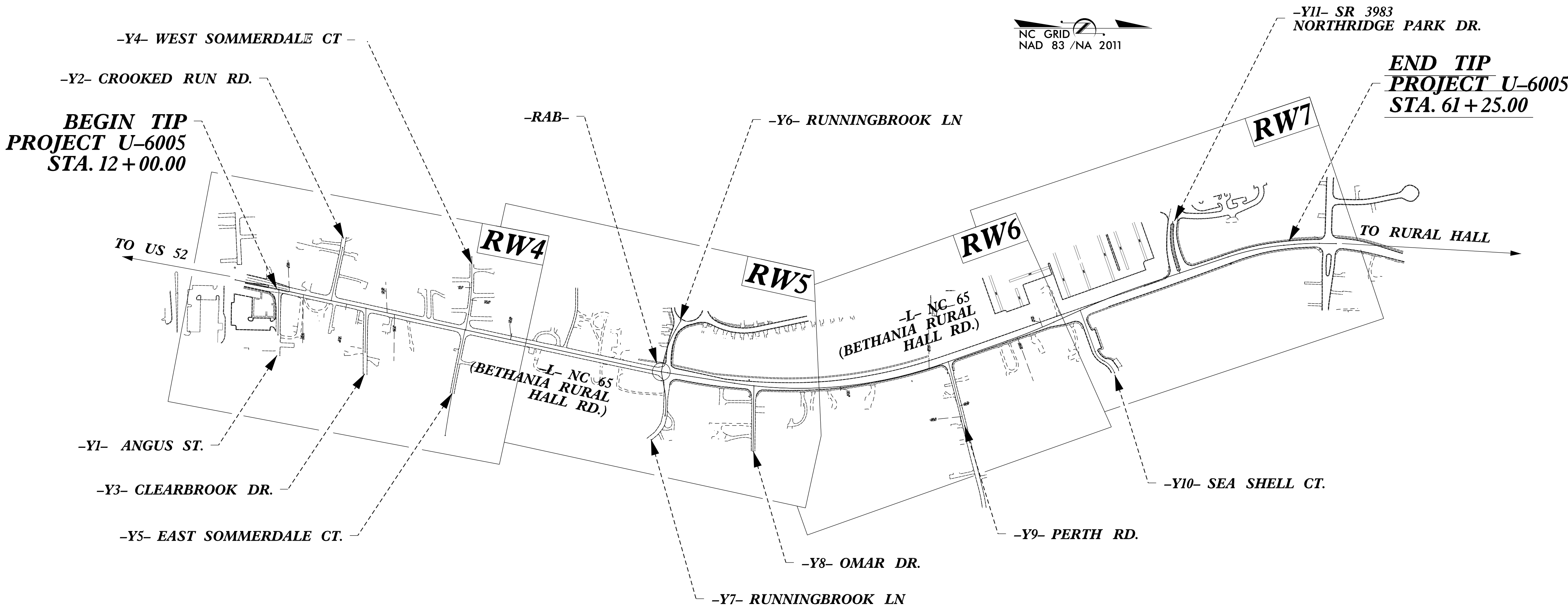
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-6005	RW01	15

TIP PROJECT: U-6005

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

FORSYTH COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U2579C-1" WITH NAD 83/95 STATE PLANE GRID COORDINATES OF NORTHING: 876,419.2850(ft) EASTING: 1,651,591.6020(ft) ELEVATION: 976.94(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99995453

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U2579C-1" TO I- STATION 10+00.00 IS N 56°45'22.31" W 42,331.64(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES

VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

2024 STANDARD SPECIFICATIONS

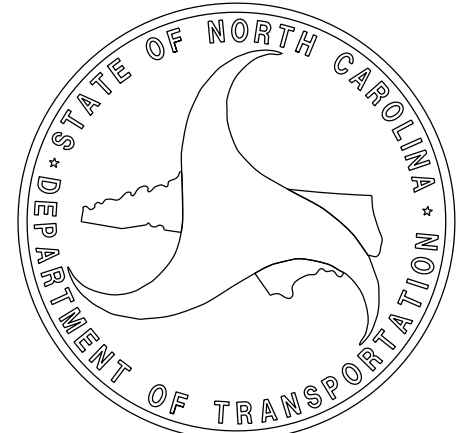
RIGHT OF WAY DATE:
6-17-2022

LETTING DATE:
7-15-2025

PROFESSIONAL LAND
SURVEYOR

DocuSigned by:
Michael L. Motinger
SIGNATURE

05/22/2024
Date:



22-MAY-2024 10:03
Ga:\Urban\U6005\RW_ChiSheets - In House\to be checked\U6005_Is_rw01.dgn
mmotinger AT LS-32861/L

I, Michael L. Motsinger, 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:

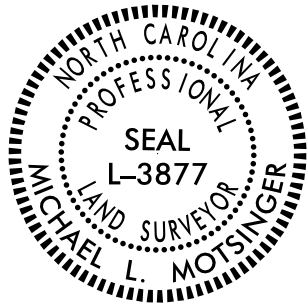
Class of survey: **AA**
Type of GPS field procedure: RTN
Dates of survey: 02-13-2018
Datum/Epoch: NAD 83/85
Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
Localized around: U2579C-1
Northing: 876419.285
Easting: 1651591.602
Combined grid factor: 0.99995453
Geoid model: G12BNC
Units: English

I also certify that the Baseline Control for this project was verified 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 2018 to June 2018, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of May, 2024.

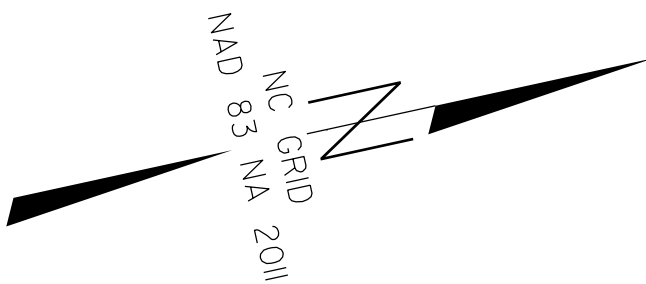
DocuSigned by:
Michael L. Motsinger
F0B8F670E292CAE

Professional Land Surveyor L-3877



SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW02C-4
FOR FURTHER
ALIGNMENT DETAILS

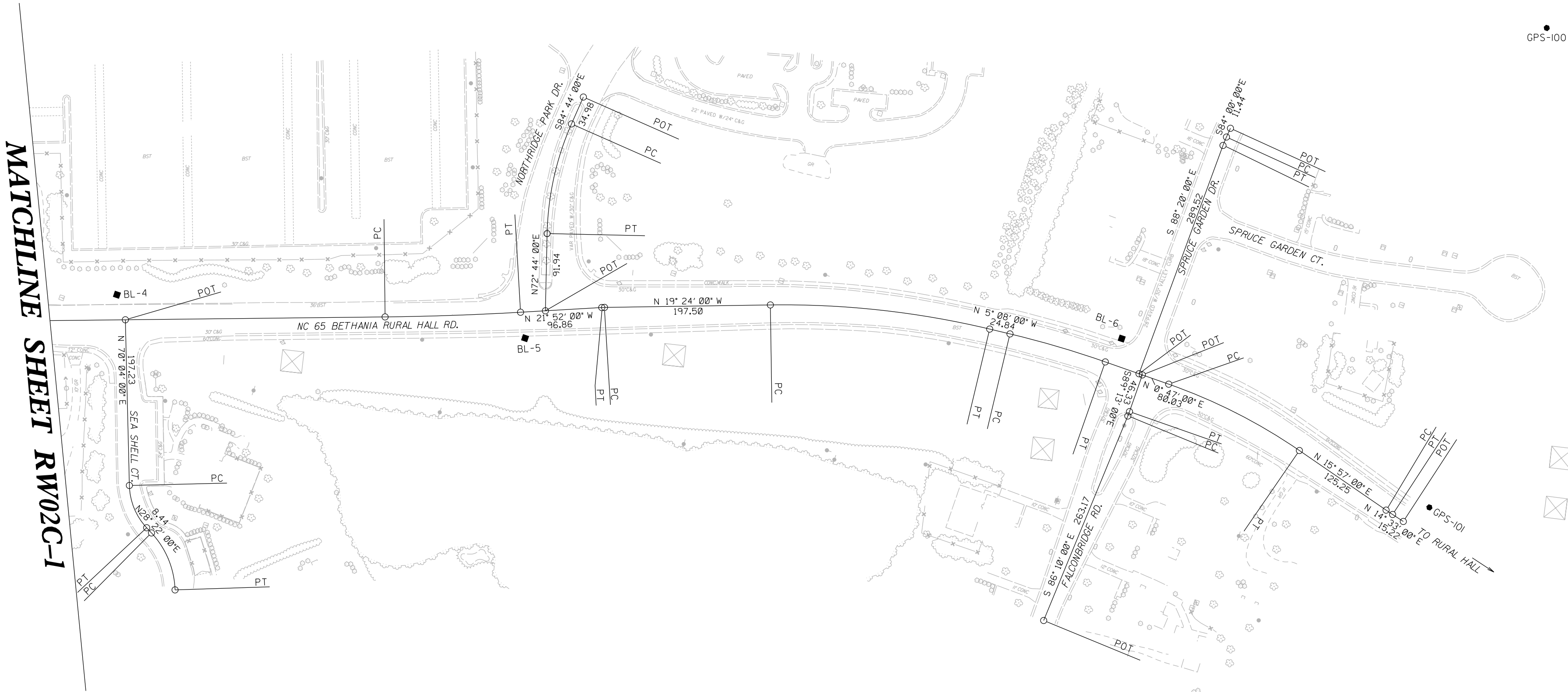
NOTES:

- 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.

PROJECT REFERENCE NO.	SHEET NO.
U-6005	RW02C-1
Location and Surveys	
PROJECT SURVEYOR NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-3877 MICHAEL L. MOTSINGER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-6005	RW02C-2
Location and Surveys	
PROJECT SURVEYOR SEAL L-3877 MICHAEL L. MOTSINGER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



I, Michael L. Motsinger, 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:

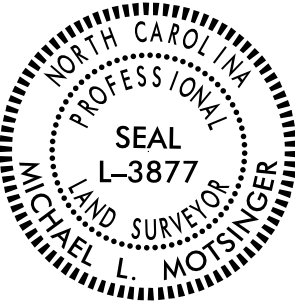
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Datum/Epoch: NAD 83/85
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This 21st day of May, 2024.

DocuSigned by:
Michael L. Motsinger
F0B8F7E70E23C40E

Professional Land Surveyor L-3877



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SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.

U-6005

SHEET NO.

RW02C-3

Location and Surveys

PROJECT SURVEYOR



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BL	POINT	DESC.	NORTH	EAST	ELEVATION
37		BY - 37	901394.8800	1616541.1930	987.52
1		BL - 1	901683.7740	1616672.9400	989.16
2		BL - 2	902101.6850	1616643.2150	986.95
3		BL - 3	902961.3230	1616519.7040	995.01
4		BL - 4	903586.9210	1616315.8460	995.12
5		BL - 5	904064.0680	1616210.2910	992.11
6		BL - 6	904737.7590	1615984.8490	993.54
G101		GPS - 101	905149.0010	1616058.8520	996.12

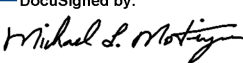
BM#1 ELEVATION = 988.38'
N 901768 E 1616742
ANGLE IRON, BASE OF S.W.
LEG OF TRANSMISSION TOWER

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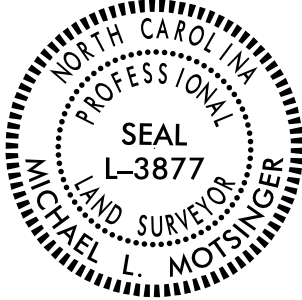
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Northing: 876419.285
Easting: 1651591.602
Combined grid factor: 0.99995453
Geoid model: G12BNC
Units: English

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This 21st day of May, 2024.

DocuSigned by:

FDB8FE7E23C40E

Professional Land Surveyor L-3877



- NOTES:
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REVISIONS

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	901325.622	1616557.218							
LINE			N 12°03'13.7" E	348.18					
PC	901666.122	1616629.929							
CURVE	901968.240	1616677.745	N 08°59'36.9" E	305.88	06°07'13.7"(LT)	02°00'00.0"	306.02	153.16	2864.79
PT									
LINE			N 05°56'00.0" E	9.69					
PC	901977.880	1616678.746							
CURVE	902018.063	1616682.209	N 04°55'30.0" E	40.33	02°01'00.0"(LT)	05°00'00.0"	40.33	20.17	1145.92
PT									
LINE			N 03°55'00.0" E	44.45					
PC	902062.411	1616685.245							
CURVE	902357.936	1616687.652	N 00°28'00.0" E	295.54	06°54'00.0"(LT)	02°20'00.0"	295.71	148.04	2455.53
PT									
LINE			N 02°59'00.0" W	12.59					
PC	902370.505	1616686.997							
CURVE	902542.803	1616668.837	N 06°01'00.0" W	173.25	06°04'00.0"(LT)	03°30'00.0"	173.33	86.75	1637.02
PT									
LINE			N 09°03'00.0" W	16.54					
PC	902559.141	1616666.235							
CURVE	902961.326	1616565.113	N 14°06'48.3" W	414.70	10°07'36.6"(LT)	02°26'19.6"	415.24	208.16	2349.37
PT									
LINE			N 19°10'36.6" W	991.75					
PC	903898.042	1616239.339							
CURVE	904049.176	1616182.767	N 20°31'18.3" W	161.38	02°41'23.4"(LT)	01°40'00.0"	161.39	80.71	3437.75
PT									
LINE			N 21°52'00.0" W	96.86					
PC	904139.070	1616146.691							
CURVE	904142.147	1616145.532	N 20°38'00.0" W	3.29	02°28'00.0"(RT)	75°00'00.0"	3.29	1.64	76.39
PT									
LINE			N 19°24'00.0" W	197.50					
PC	904328.434	1616079.930							
CURVE	904585.141	1616024.115	N 12°16'00.0" W	262.70	14°16'00.0"(RT)	05°25'00.0"	263.38	132.38	1057.77
PT									
LINE			N 05°08'00.0" W	24.84					
PC	904609.886	1616021.892							
CURVE	904728.081	1616017.403	N 02°10'30.0" W	118.28	05°55'00.0"(RT)	05°00'00.0"	118.33	59.22	1145.92
PT									
LINE			N 00°47'00.0" E	80.03					
PC	904808.101	1616018.497							
CURVE	904900.733	1616043.887	N 08°22'00.0" E	174.49	15°10'00.0"(RT)	08°40'00.0"	175.00	88.01	661.11
PT									
LINE			N 15°57'00.0" E	125.25					
PC	905101.162	1616078.305							
CURVE	905110.166	1616080.760	N 15°15'00.0" E	9.33	01°24'00.0"(LT)	15°00'00.0"	9.33	4.67	381.97
PT									
LINE			N 14°33'00.0" E	15.22					
POT	905124.902	1616084.585							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	901722.985	1616381.205							
LINE			S 59°56'00.0" E	32.58					
PC	901706.662	1616409.402							
CURVE	901666.186	1616552.678	S 74°13'30.0" E	148.88	28°35'00.0"(LT)	19°00'00.0"	150.44	76.82	301.56
PT									
LINE			S 88°31'00.0" E	76.87					
POT	901664.197	1616629.524							

EY2 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	901657.865	1616628.180							
LINE			S 87°30'00.0" E	186.67					
PC	901649.723	1616814.675							
CURVE	901598.819	1616918.048	S 63°46'59.9" E	115.23	47°26'00.2"(RT)	40°00'00.0"	118.58	62.93	143.24
PT									
LINE			S 40°03'59.8" E	34.24					
POT	901572.616	1616940.087							

EY3 POINT	N	E	BEARING	DIST
POT	902066.796	1616685.542		
LINE			S 89°14'47.8" E	309.99
POT	902062.720	1616995.508		

EY4 POINT	N	E	BEARING	DIST
POT	902977.880	1616559.356		
LINE			N 75°37'20.8" E	326.65
POT	903058.990	1616875.772		

EY5 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	903605.925	1616340.932							
LINE			N 70°04'00.0" E	197.23					
PC	903673.168	1616526.351							
CURVE	903708.690	1616567.527	N 49°13'00.0" E	54.38	41°42'00.0"(LT)	75°00'00.0"	55.60	29.10	76.39
PT									
LINE			N 28°22'00.0" E	8.44					
PC	903716.116	1616571.537							
CURVE	903764.262	1616626.890	N 48°59'00.0" E	73.36	41°14'00.0"(RT)	55°00'00.0"	74.97	39.19	104.17
PT									

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Dates of survey: 02-13-2018
Datum/Epoch: NAD 83/85
Published/Fixed-control use: [Project Control if applicable, N/A for RTN]
Localized around: U2579C-1
Northing: 876419.285
Easting: 1651591.602
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Geoid model: G12BNC
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This 21st day of May, 2024.

DocuSigned by:
Michael L. Motsinger
FDB8F670E23CAGE
Professional Land Surveyor L-3877



EY6 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	904038.641	1615916.166							
LINE			S 84°44'00.0" E	34.98					
PC	904035.430	1615950.995							
CURVE	904049.402	1616083.925	N 84°00'00.0" E	133.66	22°32'00.0"(LT)	16°45'00.0"	134.53	68.14	342.06
PT									
LINE			N 72°44'00.0" E	91.94					
POT	904076.692	1616171.724							

EY7 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	904780.949	1615706.405							
LINE			S 84°00'00.0" E	11.44					
PC	904779.754	1615717.778							
CURVE	904779.030	1615728.585	S 86°10'00.0" E	10.83	04°20'00.0"(LT)	40°00'00.0"	10.83	5.42	143.24
PT									
LINE			S 88°20'00.0" E	289.52					
POT	904770.609	1616017.985							

EY8 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	904774.836	1616018.042							
LINE			S 89°13'00.0" E	46.33					
PC	904774.202	1616064.367							
CURVE	904773.979	1616069.907	S 87°41'30.0" E	5.54	03°03'00.0"(RT)	55°00'00.0"	5.55	2.77	104.17
PT									
LINE			S 86°10'00.0" E	263.17					
POT	904756.385	1616332.487							

NOTES:

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REVISIONS

6/2/99

21-MAY-2024 14:42
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mmotsinger AT LS-328671L

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	899625.2605	1616188.2575
PC	29+04.44	901486.0542	1616593.6435
PT	30+82.23	901660.7898	1616626.3205
PC	34+00.74	901975.4654	1616675.5674
PT	43+94.36	902954.6414	1616584.0768
PC	47+17.93	903259.5117	1616475.6930
PT	49+54.05	903478.6513	1616387.9304
PC	51+24.42	903634.1983	1616318.4151
PT	54+17.51	903907.1903	1616212.0815
PC	58+31.05	904299.3972	1616080.9824
PT	60+98.99	904561.0739	1616026.2770
PC	61+47.99	904609.8858	1616021.8921
PT	62+66.33	904728.0814	1616017.4031
POT	63+46.35	904808.1008	1616018.4972

Y1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	899830.9551	1616233.0694
POT	12+14.69	899826.5978	1616447.7183

Y2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	900131.2458	1616035.8103
POT	12+56.66	900076.7196	1616286.6108

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	900240.8286	1616322.3630
POT	12+06.29	900236.8146	1616528.6181

Y4			
TYPE	STATION	NORTH	EAST
PC	10+00.00	900739.0661	1616080.3150
PCC	11+21.41	900738.5038	1616201.7179
PT	12+71.41	900723.2767	1616350.7943
POT	13+46.38	900709.9509	1616424.5643

Y5			
TYPE	STATION	NORTH	EAST
POT	10+00.00	900707.1856	1616423.9618
PC	11+65.94	900673.1087	1616586.3603
PT	15+06.48	900613.5326	1616921.6012

Y6REV1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	901722.9849	1616381.2053
PC	10+49.15	901698.3620	1616423.7391
PT	12+05.67	901642.2486	1616569.1690
POT	12+59.20	901630.9992	1616621.5046

Y7REV			
TYPE	STATION	NORTH	EAST
POT	10+00.00	901630.9992	1616621.5046
PC	10+91.63	901647.2268	1616711.6858
PT	12+06.06	901648.8868	1616825.5910
POT	12+10.19	901648.2740	1616829.6758

Y8			
TYPE	STATION	NORTH	EAST
POT	10+00.00	902066.7676	1616687.7072
POT	13+07.83	902062.7200	1616995.5080

Y9			
TYPE	STATION	NORTH	EAST
POT	10+00.00	902981.7455	1616574.4369
POT	13+11.08	903058.9895	1616875.7725

Y10			
TYPE	STATION	NORTH	EAST
POT	10+00.00	903602.8416	1616332.4287
PC	12+06.81	903673.3491	1616526.8500
PT	12+61.40	903708.2224	1616567.2749
PC	12+70.37	903716.1159	1616571.5370
PT	13+45.39	903764.4523	1616626.8184

Y11			
TYPE	STATION	NORTH	EAST
POT	10+00.00	904038.6410	1615916.1660
PC	10+34.98	904035.4304	1615950.9955
PT	11+69.50	904049.4019	1616083.9253
POT	12+45.98	904072.1025	1616156.9582

RAB			
TYPE	STATION	NORTH	EAST
PC	10+00.00	-1.+IND	-1.+IND
PT	12+63.89	-1.+IND	-1.+IND

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Michael L. Motsinger
FDB8FE7BE23C40E

Professional Land Surveyor L-3877



PROJECT REFERENCE NO.

U-6005

SHEET NO.

RW02C-5

Location and Surveys

PROJECT SURVEYOR

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NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

RIGHT OF WAY CONTROL SHEET

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	12+44.00	-74.00	899879.4204	1616167.8922
L	12+45.76	-57.30	899877.5881	1616184.5879
L	12+54.00	-74.00	899889.1912	1616170.0208
L	12+54.00	-44.00	899882.8053	1616199.3333
L	12+62.33	49.00	899871.1521	1616291.9759
L	12+62.34	40.00	899873.0692	1616283.1824
L	12+64.00	-44.00	899892.5761	1616201.4619
L	12+64.00	-40.00	899891.7247	1616205.3702
L	13+03.00	-50.00	899931.9595	1616203.9011
L	13+17.00	-40.00	899943.5100	1616216.6520
L	13+17.00	-50.00	899945.6386	1616206.8812
L	14+88.00	67.00	900087.8146	1616357.5994
L	14+88.00	52.00	900091.0076	1616342.9432
L	14+99.00	52.00	900101.7555	1616345.2847
L	14+99.00	67.00	900098.5625	1616359.9409
L	16+03.59	50.38	900204.2888	1616365.9675
L	16+67.84	55.00	900266.0910	1616384.1566
L	17+05.00	42.76	900305.0020	1616380.1026
L	17+05.00	55.00	900302.3958	1616392.0659
L	17+16.00	-80.00	900341.8802	1616262.5013
L	17+16.00	-40.00	900333.3657	1616301.5846
L	17+23.00	55.00	900319.9832	1616395.8974
L	17+23.00	40.00	900323.1759	1616381.2427
L	17+41.00	-40.00	900357.7927	1616306.9062
L	17+41.00	-80.00	900366.3073	1616267.8229
L	18+52.00	40.00	900449.2193	1616408.7025
L	18+52.00	57.00	900445.6011	1616425.3110
L	18+68.00	40.00	900464.8526	1616412.1084
L	18+68.00	57.00	900461.2344	1616428.7168
L	19+05.00	-96.00	900529.9545	1616287.0992
L	19+05.00	-40.00	900518.0342	1616341.8158
L	19+19.00	-98.00	900544.0594	1616288.1251
L	19+27.00	-40.00	900539.5300	1616346.4988
L	19+27.00	-67.00	900545.2773	1616320.1176
L	20+49.00	74.00	900634.4675	1616483.8555
L	20+49.00	61.00	900637.2348	1616471.1534
L	21+72.83	-43.98	900780.5772	1616394.9425
L	21+86.00	-57.00	900796.2129	1616385.0201
L	21+86.00	-53.00	900795.3614	1616388.9284
L	21+97.00	-60.00	900807.5994	1616384.4303
L	21+97.00	-56.00	900806.7479	1616388.3387
L	23+06.00	-57.00	900913.4627	1616410.5637
L	23+06.00	-40.00	900909.8440	1616427.1740
L	23+22.00	-57.00	900929.0960	1616413.9695
L	23+22.00	-40.00	900925.4774	1616430.5799
L	24+52.00	-40.00	901052.4980	1616458.2522
L	24+52.00	-58.00	901056.3295	1616440.6647
L	24+67.00	-40.00	901067.1542	1616461.4451
L	24+67.00	-58.00	901070.9858	1616443.8577
L	25+92.00	-40.00	901189.2895	1616488.0531
L	25+92.00	-58.00	901193.1210	1616470.4656
L	26+08.00	-40.00	901204.9228	1616491.4589
L	26+08.00	-58.00	901208.7543	1616473.8715
L	26+35.00	68.00	901208.3147	1616602.7311
L	26+35.00	40.00	901214.2749	1616575.3728
L	26+52.00	40.00	901230.8853	1616578.9915
L	26+52.00	68.00	901224.9251	1616606.3498
L	28+15.00	40.00	901390.1496	1616613.6883
L	28+15.00	46.00	901388.8725	1616619.5508
L	28+45.00	56.00	901416.0563	1616635.7075
L	28+45.00	46.00	901418.1849	1616625.9367
L	29+38.00	73.00	901504.1444	1616672.1000
L	29+38.00	58.00	901507.1732	1616657.4090
L	29+48.00	-59.00	901540.4025	1616544.7824
L	29+48.00	-74.00	901543.3823	1616530.0814
L	29+50.00	48.00	901521.1381	1616650.0529
L	29+50.00	73.00	901516.1881	1616674.5579
L	29+60.00	-73.00	901554.6629	1616533.3643
L	29+60.00	-60.00	901552.1314	1616546.1155
L	29+73.57	49.00	901544.4366	1616655.6834

EXISTING MON

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	29+78.00	-61.83	901569.7900	1616547.6992
L	31+12.03	-72.05	901701.3683	1616559.7432
L	31+26.00	-73.00	901715.3200	1616560.9659
L	31+26.00	-89.00	901717.7939	1616545.1583
L	31+37.00	-74.00	901726.3423	1616561.6788
L	31+37.00	-88.00	901728.5070	1616547.8471
L	31+37.00	59.00	901993.0827	1616737.8630
L	34+32.00	-47.00	902012.9298	1616633.6170
L	34+32.00	-63.00	902015.1563	1616617.7726
L	34+36.00	-93.00	902023.1084	1616588.5915
L	34+45.00	-50.00	902025.9046	1616632.3692
L	37+28.00	40.00	902301.8187	1616739.5462
L	37+28.00	55.00	902301.9446	1616754.5465
L	37+41.00	40.00	902315.0778	1616739.3919
L	37+41.00	55.00	902315.3012	1616754.3910
L	37+79.00	40.00	902353.8257	1616738.4468
L	37+79.00	55.00	902354.3340	1616753.4388
L	37+92.00	40.00	902367.0765	1616737.9545
L	37+92.00	55.00	902367.6822	1616752.9428
L	38+60.00	40.00	902436.3190	1616733.9766
L	38+60.00	58.00	902437.6568	1616751.9270
L	38+75.00	59.00	902453.1265	1616751.7188
L	38+75.00	40.00	902451.5723	1616732.7823
L	38+94.00	75.00	902474.0738	1616765.9594
L	38+94.00	59.00	902472.6135	1616750.0262
L	39+04.00	59.00	902482.8632	1616749.0610
L	39+04.00	75.00	902484.4030	1616764.9868
L	41+48.00	530.00	902832.8487	1617169.5248
L	41+50.00	510.77	902831.1391	1617150.2058
L	42+36.00	63.00	902819.8238	1616692.0078
L	42+36.00	45.00	902815.1548	1616674.6240
L	42+36.00	80.00	902824.2335	1616708.4260
L	42+52.00	45.00	902830.9377	1616670.3172
L	42+52.00	64.00	902836.0128	1616688.6268
L	42+52.00	80.00	902840.2865	1616704.0455
L	43+36.00	75.00	902922.4210	1616674.1922
L	43+36.00	89.00	902926.7237	1616687.5146
L	43+49.04	541.11	903081.4269	1617112.6031
L	43+50.00	92.00	902941.5651	1616685.8200
L	43+51.77	562.00	903091.2937	1617131.3387
L	43+72.00	63.14	902954.0119	1616651.1791
L	44+65.00	70.92	903044.9520	1616627.2389
L	49+07.00	54.00	903456.8051	1616456.4296
L	49+07.00	64.00	903460.7416	1616465.6222
L	49+37.00	47.95	903482.3825	1616438.7319
L	49+37.00	55.00	903485.2216	1616445.1827
L	51+10.00	-40.00	903604.7101	1616287.7808
L	51+10.00	-73.00	903591.2456	1616257.6527
L	54+27.00	52.53	903932.8442	1616258.8925
L	54+27.00	75.01	903939.9697	1616280.2098
L	54+59.00	73.00	903969.6832	1616268.1628
L	54+59.00	51.75	903962.9464	1616248.0082
L	55+05.00	-62.15	903970.4650	1616125.3999
L	56+63.97	-64.00	904120.6448	1616073.2515
L	58+92.00	-75.00	904337.7167	1615990.9086
L	58+92.00	-69.00	904339.3147	1615996.6919
L	58+92.00	-50.00	904344.3749	1616015.0057
L	59+05.00	36.78	904379.6346	1616095.3660
L	59+05.00	75.00	904389.3973	1616132.3208
L	59+08.00	-75.00	904354.1757	1615986.4839
L	59+12.00	-85.00	904355.8047	1615975.7299
L	59+16.00	-65.00	904364.8894	1615994.0498
L	59+16.00	-50.00	904368.5817	1616008.5883
L	59+23.00	-86.00	904367.0177	1615971.8663
L	59+23.00	-71.00	904370.6215	1615986.4269
L	59+24.00	75.00	904406.6057	1616127.9265
L	59+24.00	36.26	904397.3301	1616090.3092
L	61+40.00	-38.24	904598.5017	1615984.5211
L	61+40.00	-47.00	904597.7179	1615975.7959

NOT SET, HITS IN HOUSE

NOT SET, HITS IN BRICK SIGN

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 11/22 TO 2/23 .

PROJECT REFERENCE NO.
U-6005

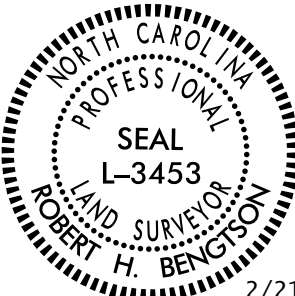
SHEET NO.
RW03E-2

Location and Surveys

**Dewberry**[®]
Dewberry Engineers Inc.

551 PINEY FOREST ROAD
DANVILLE, VA 24540
PHONE: 434.787.4487
FAX: 434.787.4341
NCBELS #F-0929

PROJECT SURVEYOR

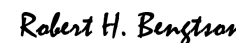


2/21/2023

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 11/7/22 to 2/9/23, and all coordinates are based on NAD83/1995; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of February, 2023.

DocuSigned by:

Professional Land Surveyor L-3453

REVISIONS

-Y4- CURVE DATA		-Y5- CURVE DATA
PI Sta 10+60.71	PI Sta 11+96.56	PI Sta 13+36.26
$\Delta = 2^{\circ}19'07.7''$ (RT)	$\Delta = 8^{\circ}48'53.0''$ (RT)	$\Delta = 3^{\circ}32'51.5''$ (LT)
D = 1'54'35.5"	D = 5'52'35.4"	D = 1'02'30.3"
L = 121.41'	L = 150.00'	L = 340.55'
T = 60.71'	T = 75.15'	T = 170.33'
R = 3,000.00'	R = 975.00'	R = 5,500.00'
SE = EXISTING	SE = NC	SE = EXISTING
	DS = 15 MPH	

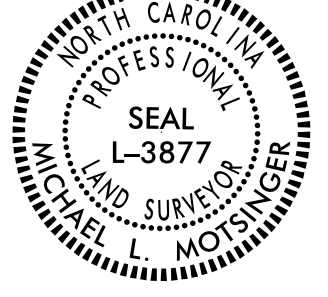
NAD 83/NA 2011

PROJECT REFERENCE NO.
U-6005

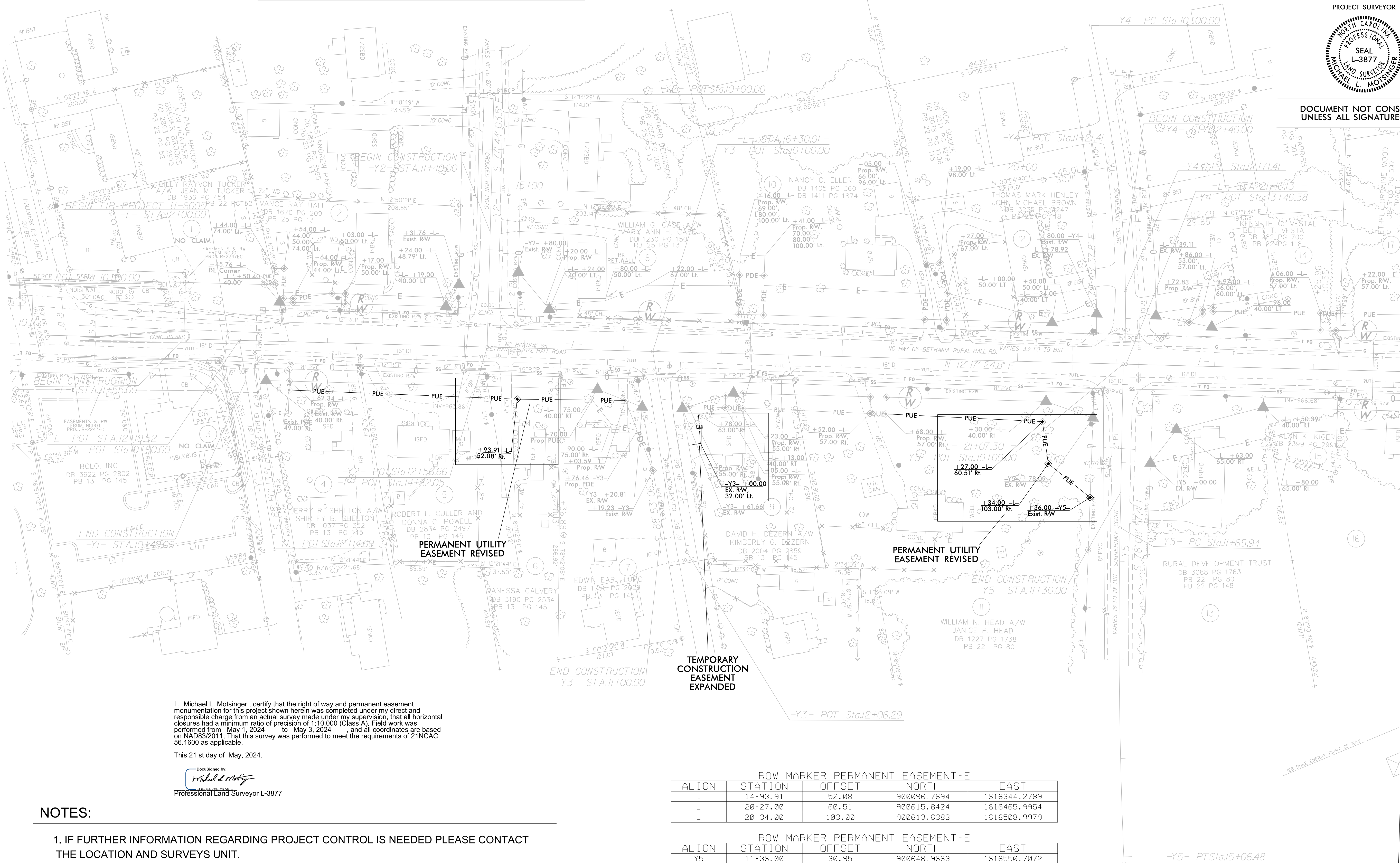
SHEET NO.
RW04A

Location and Surveys

PROJECT SURVEYOR

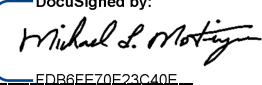


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



I, Michael L. Motsinger, 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 May 1, 2024 to May 3, 2024, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21 st day of May, 2024.

DocuSigned by:

Professional Land Surveyor L-3877

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 ____ TO ____ .

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	14+93.91	52.08	900096.7694	1616344.2789
L	20+27.00	60.51	900615.8424	1616465.9954
L	20+34.00	103.00	900613.6383	1616508.9979

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y5	11+36.00	30.95	900648.9663	1616550.7072

REVISIONS

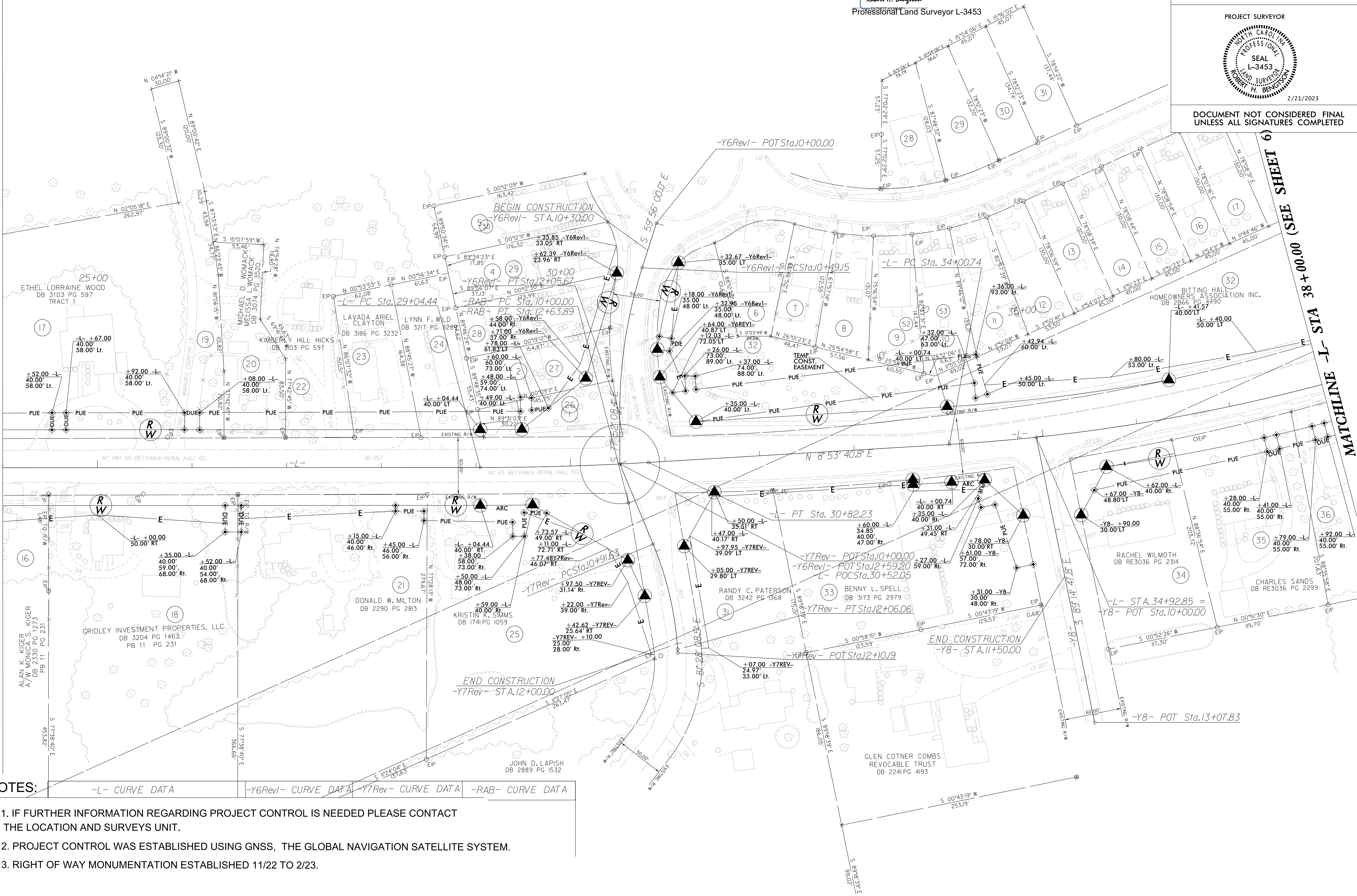
21-FEB-2023 10:49
21-501-56403 (AD) Survey MICROSTATION.RW SHEET\$U6005.LS.RW05.230221.dgn
browell 01 PF250W9R

MATCHLINE -L- STA 24 + 00.00 (SEE SHEET 4)

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 11/22 TO 2/23.

NAD 83/NA 2011

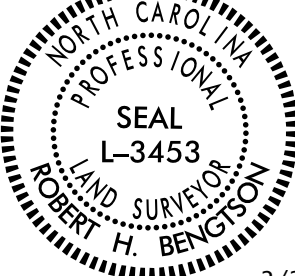


I, Robert H. Bengtson, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 11/7/22 to 2/9/23, and all coordinates are based on NAD83/1995; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of February, 2023.

DocuSigned by:
Robert H. Bengtson

Professional Land Surveyor L-3453

PROJECT REFERENCE NO.	SHEET NO.
U-6005	RW05
Location and Surveys	
 Dewberry Engineers Inc. 551 PINEY FOREST ROAD DANVILLE, VA 24540 PHONE: 434-787-4487 FAX: 434-787-4341 NCBELS #F-0929	
PROJECT SURVEYOR	
 2/21/2023	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

6/2/99

21-FEB-2023 10:51
P:\50056403\2021\Survey\MICROSTATION\RW SHEET\U6005_L_S_RW06_230221.dgn
browell at PF250W9R

REVISIONS

NAD 83/NA 2011

(P) TURMAN INVESTMENT PROPERTIES, LLC.
DB 3259 PG 183
(Q) HOME S.F.R. BORROWER, LLC.
DB 3312 PG 2067
(R) SANDRA S. TURMAN, LIVING TRUST
DB 3259 PG 973
(S) M.U.P.R. ASSETS, LLC
DB 3397 PG 2823
(T) SANDRA S. TURMAN, LIVING TRUST
DB 3259 PG 997
(U) MARY C. BUTLER
DB 2936 PG 2414
(V) JAMES B. PIERCE
DB 2965 PG 640
(X) WALTER LARRY HARRIS, JR.
DB 3081 PG 4277
(Y) LUIS Y. CRUZ
DB 3303 PG 4010
(Z) RICHARD W. GREENE
DB 2908 PG 794

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 11/7/22 to 2/9/23, and all coordinates are based on NAD83/1995; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of February, 2023.

Drawn/Signed by:
Robert H. Bengtson

Professional Land Surveyor L-3453

PROJECT REFERENCE NO. SHEET NO.

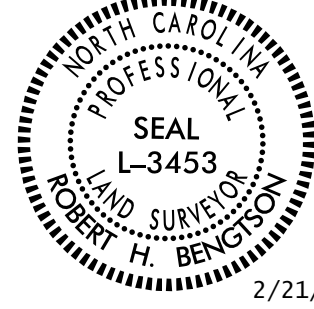
U-6005 RW06

Location and Surveys

Dewberry
Dewberry Engineers Inc.

551 PINEY FOREST ROAD
DANVILLE, VA 24540
PHONE: 434.787.4407
FAX: 434.787.4341
NCBELS #F-0929

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MATCHLINE -L- STA. 38+00.00 (SEE SHEET 5)

MATCHLINE -L- STA. 50+00.00 (SEE SHEET 7)

-L- CURVE DATA	
PI Sta 39+08.03	PI Sta 48+36.05
$\Delta = 28^{\circ}27'55.3"$ (LT)	$\Delta = 4^{\circ}30'34.5"$ (LT)
$D = 2^{\circ}51'53.2"$	$D = 1^{\circ}54'35.5"$
$L = 993.63'$	$L = 236.12'$
$T = 507.29'$	$T = 118.12'$
$R = 2,000.00'$	$R = 3,000.00'$
$SE = 0.03$	$SE = 0.03$
$DS = 50$ MPH	$DS = 50$ MPH

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 11/22 TO 2/23.

REVISIONS

6/2/99

MATCHLINE -L- STA. 38+00.00 (SEE SHEET 5)

MATCHLINE -L- STA. 50+00.00 (SEE SHEET 7)

PROJECT REFERENCE NO.
U-6005

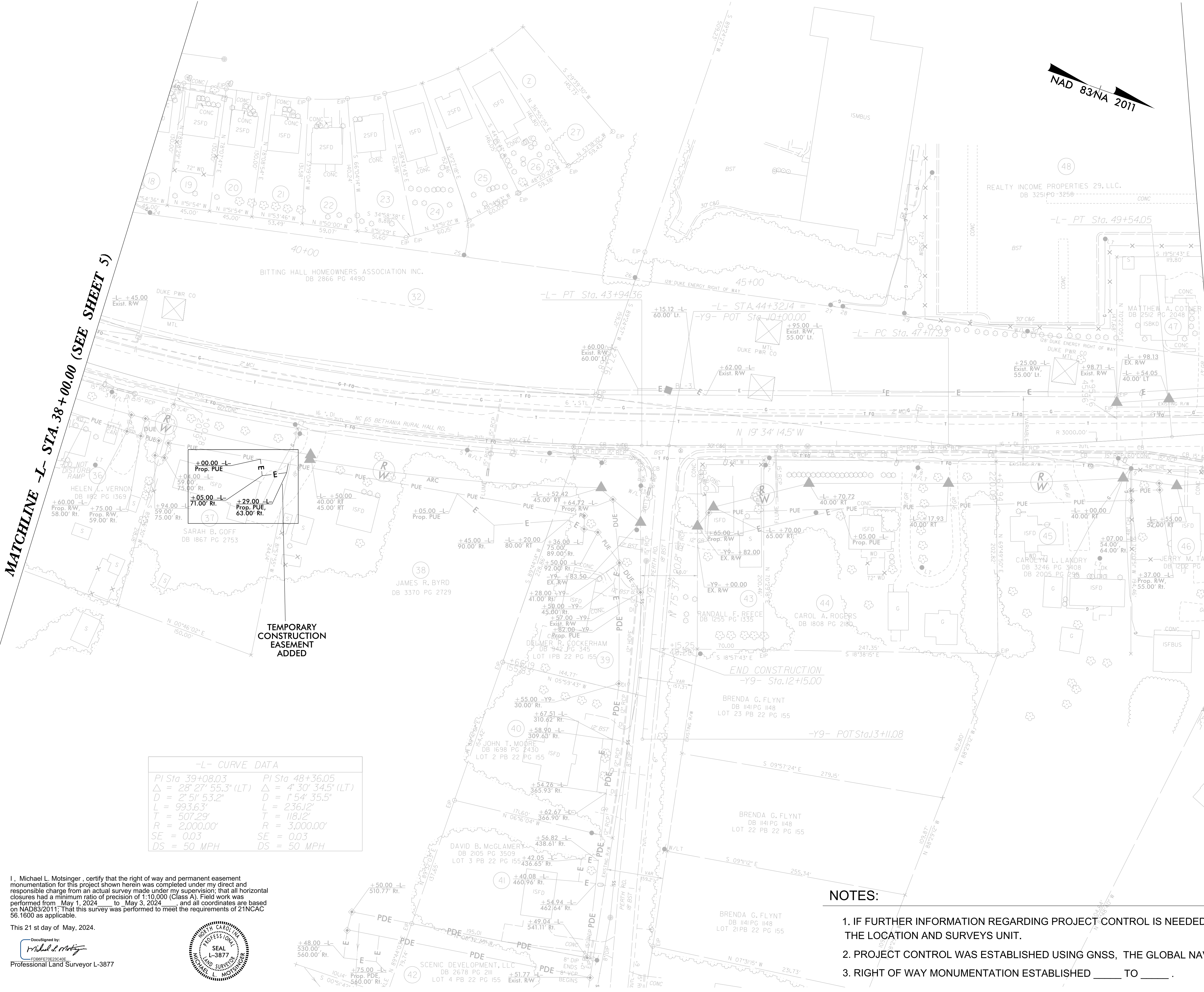
SHEET NO.
RW06A

Location and Surveys

PROJECT SURVEYOR

NOAH CAROLINA
PROFESSIONAL
LAND SURVEYOR
SEAL
L-3877
MICHAEL L. MOLSINGER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



-L- CURVE DATA			
PI Sta 39+08.03	PI Sta 48+36.05		
$\Delta = 28^{\circ}27'55.3\"$ (LT)	$\Delta = 4^{\circ}30'34.5\"$ (LT)		
$D = 2^{\circ}51'53.2\"$	$D = 1^{\circ}54'35.5\"$		
$L = 993.63'$	$L = 236.12'$		
$T = 507.29'$	$T = 118.12'$		
$R = 2,000.00'$	$R = 3,000.00'$		
$SE = 0.03$	$SE = 0.03$		
$DS = 50$ MPH	$DS = 50$ MPH		

I, Michael L. Molsinger, 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 May 1, 2024 to May 3, 2024, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21 st day of May, 2024.

DocuSigned by:

Professional Land Surveyor L-3877



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 ____ TO ____.

