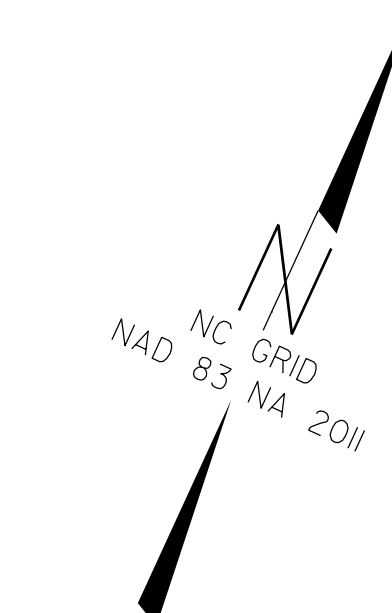
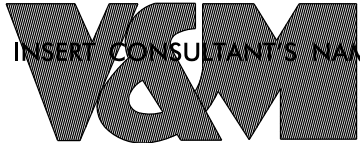
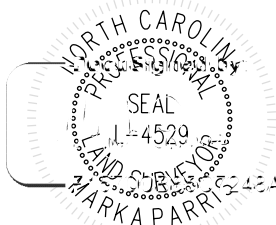




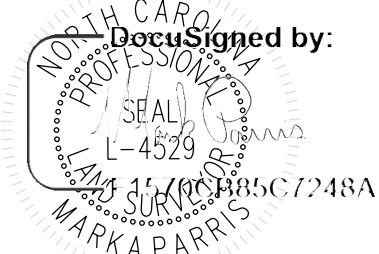
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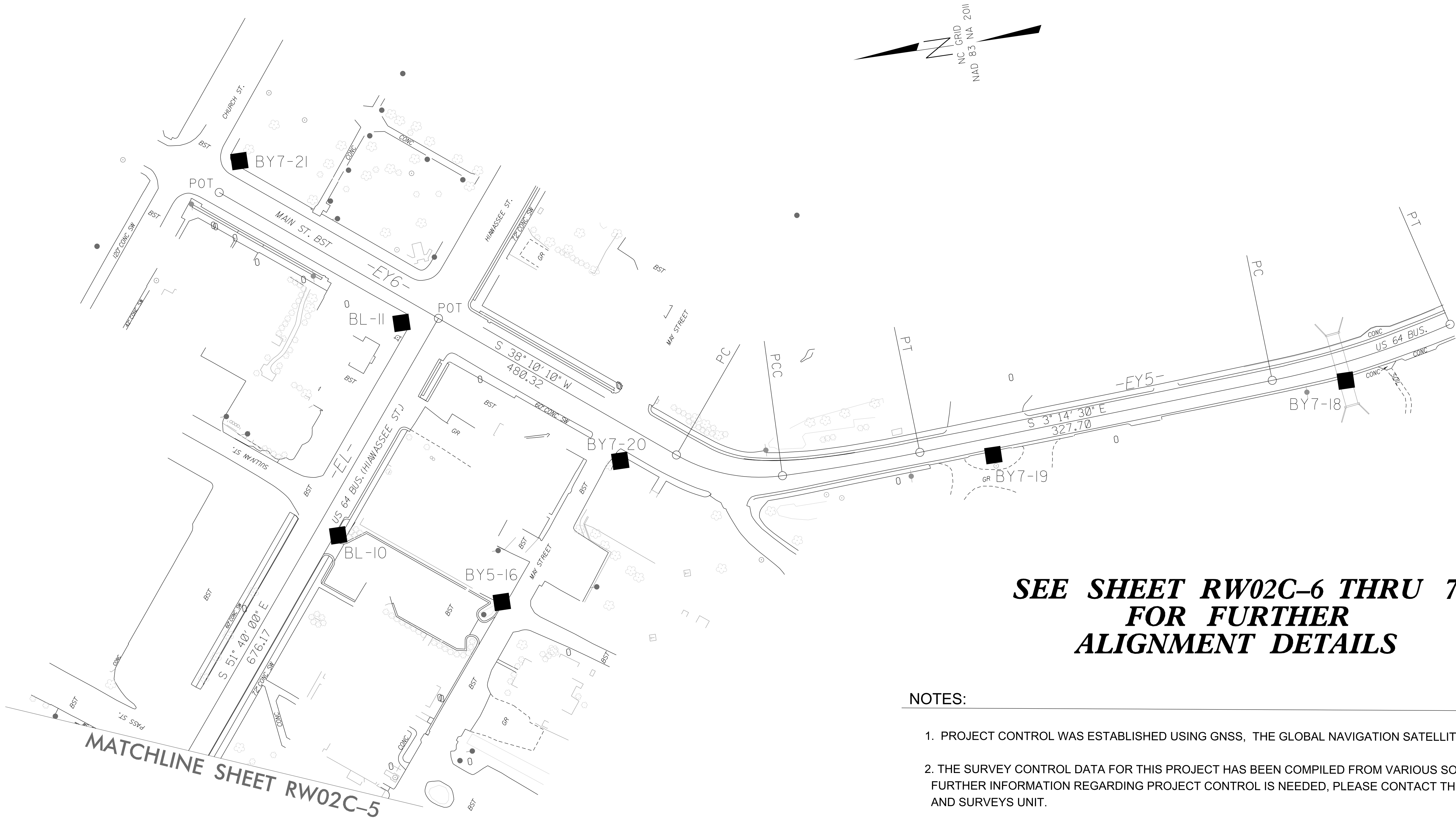
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

PROJECT REFERENCE NO.	SHEET NO.
009862X	R/002C-2
Location and Surveys	
	
INSERT CONSULTANT'S NAME	
<u>Vaughn & Melton</u>	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-5863	RW02C-5
Location and Surveys	
	
PROJECT SURVEYOR	
Signed by: 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



**SEE SHEET RW02C-6 THRU 7
FOR FURTHER
ALIGNMENT DETAILS**

- NOTES:
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REVISIONS

SYNOPSIS OF SURVEY CONTROL DATA

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL	POINT	DESC.	NORTH	EAST	ELEVATION
G102		GPS-102	503128.7740	554416.7290	1948.52
1		BL-1	503363.5525	554829.2118	1923.83
2		BL-2	503735.8603	555564.3425	1895.84
3		BL-3	503996.8623	556200.7500	1883.07
4		BL-4	504585.7339	556947.2228	1858.57
5		BL-5	505189.1579	557132.1351	1844.89
6		BL-6	505745.3778	557186.5179	1830.58
7		BL-7	506348.6784	557365.5471	1852.45
8		BL-8	506677.6921	557590.8061	1866.28
G104		GPS-104	506984.1040	557761.0630	1888.22
9		BL-9	506844.1104	558038.3689	1889.84
10		BL-10	506644.6728	558224.6595	1886.76
11		BL-11	506559.6141	558407.9002	1883.71

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
G101		GPS-101	503056.5580	553799.5060	1944.08
Y102		GPS-102	503128.7740	554416.7290	1948.52
12		BY1-12	503119.3942	554983.7637	1944.14

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
13		BY2-13	504213.9668	555432.9581	1899.79
Y2		BL-2	503735.8603	555564.3425	1895.88

BY3	POINT	DESC.	NORTH	EAST	ELEVATION
14		BY3-14	504630.7466	556659.4392	1848.71
Y3		BL-3	504585.7339	556947.2228	1858.64

BY4	POINT	DESC.	NORTH	EAST	ELEVATION
15		BY4-15	506697.0881	557428.3192	1867.36
Y8		BL-8	506677.6921	557590.8061	1866.37

BY5	POINT	DESC.	NORTH	EAST	ELEVATION
Y104		GPS-104	506984.1040	557761.0630	1888.22
17		BY5-17	506675.6783	557880.9909	1869.10
16		BY5-16	506505.9340	558143.0666	1891.59

BY6	POINT	DESC.	NORTH	EAST	ELEVATION
G103		GPS-103	506943.0010	557225.3870	1882.90
YY104		GPS-104	506984.1040	557761.0630	1888.22

BY7	POINT	DESC.	NORTH	EAST	ELEVATION
18		BY7-18	505715.9503	558231.5883	1830.24
19		BY7-19	506043.4573	558210.7794	1852.91
20		BY7-20	506380.5822	558254.7142	1879.89
Y11		BL-11	506559.6141	558407.9002	1883.71
21		BY7-21	506684.5081	558575.1230	1889.73

.....
BM1 ELEVATION = 1937.50
N 503237 E 554651
RR SPIKE IN BASE OF 30' WHITE OAK
.....
BM2 ELEVATION = 1879.50
N 504068 E 556219
RR SPIKE IN BASE OF 22' POPLAR
.....
BM3 ELEVATION = 1833.31
N 505775 E 557178
RR SPIKE IN BASE OF 18' POPLAR
.....
BM4 ELEVATION = 1882.92
N 506984 E 557444
RR SPIKE IN BASE OF 36' PINE
.....

NOTES:

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PROJECT REFERENCE NO.
R-5863

SHEET NO.
RW02C-6

Location and Surveys



PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

REVISIONS

SYTIME\$\$\$\$
UNUSURNAME\$\$\$\$

SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	503078.244	554476.687	N 08°49'33.1" E	28.55					
LINE									
PC	503106.455	554481.067	N 37°04'34.5" E	216.96	56°30'02.8"(RT)	25°00'00.0"	226.00	123.15	229.18
CURVE	503279.550	554611.865	N 65°19'35.9" E	1670.02					
PT									
LINE	503976.689	556129.412	N 59°09'58.0" E	273.27	12°19'15.7"(LT)	04°30'00.0"	273.80	137.43	1273.24
PC	504116.755	556364.060	N 51°04'45.9" E	171.18	03°51'08.5"(LT)	02°15'00.0"	171.22	85.64	2546.48
PCC									
CURVE	504224.300	556497.244	N 49°09'11.7" E	107.64					
PT									
LINE	504294.701	556578.670	N 49°59'25.8" E	334.89	01°40'28.2"(RT)	00°30'00.0"	334.90	167.46	11459.16
PC	504510.005	556835.173	N 50°49'39.9" E	47.72					
PCC									
CURVE	504540.146	556872.166	N 48°06'36.0" E	103.49	05°26'07.8"(LT)	05°15'00.0"	103.53	51.81	1091.35
PC	504609.249	556949.210	N 31°43'15.6" E	180.56	27°20'33.0"(LT)	15°00'00.0"	182.28	92.91	381.97
PCC	504762.836	557044.144	N 13°20'17.9" E	114.09	09°25'22.3"(LT)	08°15'00.0"	114.22	57.24	694.49
CURVE	504873.846	557070.465	N 08°37'36.8" E	662.31					
PT									
LINE	505528.658	557169.810	N 10°51'40.2" E	357.39	04°28'06.7"(RT)	01°15'00.0"	357.48	178.83	4583.66
PC	505879.648	557237.153	N 17°20'15.7" E	484.39	08°29'04.3"(RT)	01°45'00.0"	484.83	242.86	3274.04
PCC	506342.027	557381.502	N 30°57'53.9" E	467.16	18°46'12.2"(RT)	04°00'00.0"	469.25	236.75	1432.39
CURVE	506742.604	557621.860	N 40°21'00.0" E	225.69					
PT									
LINE	506914.602	557767.983	N 46°50'55.5" E	46.32	12°59'51.0"(RT)	28°00'00.0"	46.42	23.31	204.63
PC	506946.282	557801.776	S 89°09'34.5" E	75.00	74°59'09.1"(RT)	93°00'00.0"	80.63	47.26	61.61
PCC									
CURVE	506945.182	557876.765	S 51°40'00.0" E	676.17					
PT									
LINE									
POT	506525.794	558407.167							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	503031.160	553958.828											
LINE			N 84°40'48.5" E	339.92									
TS	503062.676	554297.286	N 85°40'48.4" E	299.96						03°00'00.0"(RT)	300.00	200.03	100.03
SPIRAL													
SC	503085.271	554596.397	S 81°28'36.0" E	1077.86	21°41'11.0"(RT)	02°00'00.0"	1084.32	548.73	2864.79				
CURVE													
CS	502925.519	555662.352	S 68°38'00.4" E	299.96						03°00'00.0"(RT)	300.00	200.03	100.03
SPIRAL													
ST	502925.519	555662.352											

EY2 POINT	N	E	BEARING	DIST
POT	503258.996	554204.361		
LINE			S 13°48'52.8" E	206.35
POT	503058.612	554253.634		

EY3 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	504227.023	555446.334							
LINE			S 16°51'00.0" E	274.11					
PC	503964.685	555525.789	S 17°45'00.0" E	90.00	01°48'00.0"(LT)	02°00'00.0"	90.00	45.00	2864.79
CURVE									
PT	503878.973	555553.225	S 18°39'00.0" E	152.57					
LINE									
POT	503734.411	555602.016							

EY4 POINT	N	E	BEARING	DIST
POT	506632.975	557208.235		
LINE			N 76°48'00.0" E	411.35
POT	506726.907	557608.716		

EY5 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	506958.652	557436.993							
LINE			N 81°29'00.0" E	254.24					
PC	506996.304	557688.431	N 86°47'27.4" E	72.27	10°36'54.8"(RT)	14°40'00.0"	72.38	36.29	390.65
CURVE									
PCC	507000.350	557760.591	S 62°50'15.9" E	92.03	50°07'38.5"(RT)	52°45'00.0"	95.03	50.80	108.62
CURVE									
PT	506958.339	557842.468							

EY6 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	506706.868	558549.502	S 38°10'09.8" W	480.32					
LINE									
PC	506329.249	558252.671	S 19°22'06.0" W	98.48	37°36'07.6"(LT)	37°30'00.0"	100.27	52.02	152.79
CURVE									
PCC	506236.340	558220.010	S 01°20'13.9" E	126.94	03°48'32.2"(LT)	03°00'00.0"	126.96	63.51	1909.86
CURVE									
PT	506109.433	558222.973	S 03°14'30.0" E	327.70					
LINE									
PC	505782.257	558241.503	S 09°11'52.5" E	169.87	11°54'45.0"(LT)	07°00'00.0"	170.18	85.40	818.51
PCC									
CURVE									
PT	505614.569	558268.657							

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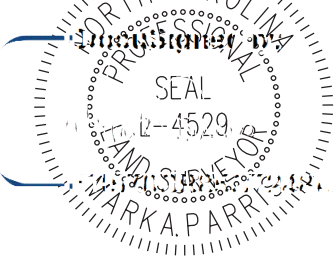
PROJECT REFERENCE NO.
R-5863

SHEET NO.
RW02C-7

Location and Surveys



PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

REVISIONS

PROPOSED ALIGNMENT CONTROL SHEET

L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	503078.9011	554485.6668
PC	10+30.44	503109.0409	554489.9027
PT	12+56.43	503282.9031	554619.2489
PC	29+32.30	503983.3124	556141.7285
PT	32+70.94	504163.9462	556426.9843
PC	38+67.08	504546.9982	556883.7752
PT	43+60.93	504972.3416	557110.0783
PC	47+61.48	505370.6847	557152.0336
PT	56+23.76	506211.9043	557333.7299
PC	56+61.66	506247.8739	557345.6701
PRC	62+40.07	506748.6230	557627.9503
PT	63+78.28	506872.6774	557684.7977
POT	64+29.28	506923.0804	557692.5838
PC	64+99.05	506938.3197	557760.6659
PT	66+85.68	506898.1888	557936.6961
POT	70+45.55	506675.1408	558219.1020
POT	71+20.61	506631.0094	558279.8179
POT	72+46.02	506553.2759	558378.2380
POT	75+24.27	506378.8138	558594.9973

Y1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	504217.6416	555448.0708
PC	13+45.57	503887.6052	555550.5033
PT	14+67.33	503773.8817	555593.7678
POT	15+06.09	503738.6766	555609.9637

Y2			
TYPE	STATION	NORTH	EAST
POT	20+00.00	504783.4184	556667.1704
PC	20+58.62	504728.9808	556645.4361
PT	21+24.24	504665.9820	556651.0510
PC	21+77.72	504620.6074	556679.3501
PT	22+73.31	504573.6905	556758.4762
PC	23+40.59	504569.8391	556825.6493
PT	23+81.37	504552.0486	556861.0994
POT	23+99.81	504537.9189	556872.9481

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	505495.6474	557167.1869
PC	10+39.91	505484.9920	557205.6469
PT	11+08.37	505433.3702	557242.1789
PC	11+19.45	505422.3240	557241.4178
PT	12+00.40	505368.8976	557290.2757
POT	12+08.59	505368.7300	557298.4585

Y3A			
TYPE	STATION	NORTH	EAST
POT	10+00.00	505717.8900	557204.0959
PC	10+20.61	505713.9431	557224.3197
PT	10+98.56	505737.8708	557294.8688
PC	11+57.04	505781.6736	557333.6042
PT	12+02.61	505807.8808	557370.4016
POT	12+24.53	505816.2373	557390.6720
POT	12+81.74	505840.7463	557442.3605

Y4			
TYPE	STATION	NORTH	EAST
POT	40+00.00	506650.5792	557292.0275
PC	42+75.86	506715.7066	557560.0931
PT	43+04.23	506718.4307	557588.2331
POT	43+18.37	506717.7899	557602.3592

Y5			
TYPE	STATION	NORTH	EAST
POT	10+00.00	506964.2600	557475.0619
PC	10+45.14	506970.9477	557519.7088
PT	11+89.97	506943.2803	557658.9581
POT	12+29.20	506923.0804	557692.5838

Y6			
TYPE	STATION	NORTH	EAST
POT	10+00.00	507050.3418	557743.6837
PC	10+20.15	507030.2250	557744.7759
PT	10+57.36	507002.9890	557766.5489
PC	11+06.62	506989.5526	557813.9410
PT	11+49.32	506956.8325	557835.5090
POT	11+64.63	506941.6472	557833.5400

Y7			
TYPE	STATION	NORTH	EAST
POT	10+00.00	506923.0804	557692.5838
PC	10+31.41	506900.3407	557714.2443
PRC	11+67.74	506787.6500	557789.8072
PT	12+47.59	506725.2913	557838.4260
POT	13+22.96	506678.6869	557897.6623

Y8			
TYPE	STATION	NORTH	EAST
POT	10+00.00	506528.3653	558409.1880
PC	12+54.22	506328.5003	558252.0826
PCC	13+52.65	506237.3040	558220.0182
PT	14+79.56	506110.4512	558222.9629
POT	18+08.27	505782.2566	558241.5032

DWY1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	503428.5080	554513.4241
PC	10+11.13	503417.7334	554516.2235
PT	10+73.61	503362.0103	554543.5366
PC	11+40.51	503309.0503	554584.4094
PT	11+41.99	503307.8136	554585.2252
POT	11+79.64	503274.9378	554603.5716

PROJECT REFERENCE NO.
R-5863

SHEET NO.
RW02D-1

Location and Surveys

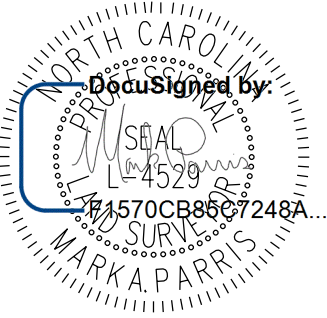
V&M

Vaughn & Melton

1318-F Patton Avenue
Asheville, NC 28806
Firm License # F-1088

PROJECT SURVEYOR

DocuSigned by:

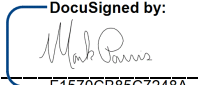


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

This 5th day of September, 2023.

DocuSigned by:

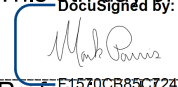


Professional Land Surveyor L-4529

REVISIONS

RIGHT OF WAY CONTROL SHEET

I, Mark A. Parris, 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 7/24/23 to 8/25/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 58.1600 as applicable.

This 5th day of September, 2023.

Professional Land Surveyor L-4529

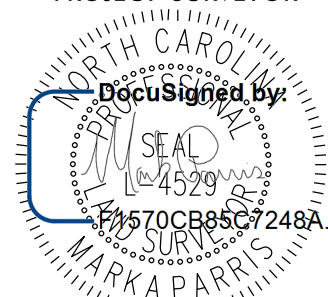
PROJECT REFERENCE NO.
R-5863

SHEET NO.
RW03E-1

Location and Surveys


Vaughn & Melfon
1318-F Patton Avenue
Asheville, NC 28806
Firm License # F-1088

PROJECT SURVEYOR


Designed by
MARK A. PARRIS
L-4529

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	17+64.00	75.00	503426.8991	555111.7048
L	17+64.00	30.24	503467.5613	555092.9983
L	20+00.00	87.00	503514.6311	555331.1201
L	20+82.00	88.00	503547.9936	555406.0330
L	21+32.00	90.00	503567.0737	555452.2926
L	22+00.00	103.00	503583.6834	555519.5021
L	22+50.00	107.00	503600.9464	555566.5976
L	23+53.54	90.64	503659.0841	555653.8283
L	23+60.43	39.50	503708.4200	555638.7063
L	23+89.00	-45.00	503797.1282	555629.3488
L	24+69.53	39.50	503754.0228	555737.8268
L	26+03.47	-45.00	503886.7627	555824.1873
L	26+27.72	-233.48	504068.1282	555767.4489
L	26+61.86	-220.06	504070.2001	555804.0703
L	26+95.81	-202.46	504068.4085	555842.2684
L	27+65.01	-195.32	504090.8418	555908.1222
L	27+72.83	-168.32	504069.5766	555926.5060
L	28+17.18	-33.00	503965.1797	556023.3546
L	28+27.51	-163.54	504088.0917	555978.1760
L	28+45.00	31.16	503918.5243	556075.4460
L	28+45.00	30.83	503918.8178	556075.3029
L	29+32.30	-33.00	504013.2920	556127.9365
L	38+67.08	31.50	504522.8615	556904.0156
L	39+07.97	-31.50	504597.0506	556892.5160
L	39+72.60	31.50	504600.6067	556982.6248
L	40+96.53	-31.50	504737.9073	557002.4591
L	40+99.27	28.50	504710.7883	557056.0504
L	43+60.93	28.50	504969.3564	557138.4216
L	47+55.00	147.00	505348.8473	557297.5467
L	47+55.00	28.50	505361.2596	557179.6986
L	49+03.42	31.50	505507.1456	557200.5928
L	50+67.44	31.50	505667.7573	557226.6648
L	51+64.81	31.50	505762.5568	557245.2508
L	52+21.22	70.92	505808.6624	557295.5476
L	52+87.91	31.50	505881.7063	557272.0399
L	54+00.00	31.50	505989.4393	557299.6126
L	55+25.00	-31.59	506127.0069	557273.5539
L	55+25.00	-34.00	506127.7085	557271.2518
L	55+35.60	28.50	506119.5544	557334.1194
L	56+95.00	-33.00	506290.4848	557325.4433
L	56+95.00	-29.12	506289.1800	557329.1002
L	58+12.65	-125.00	506439.6451	557286.2871
L	58+74.98	-30.09	506458.3091	557400.1006
L	59+49.82	-239.07	506628.2429	557253.7473
L	66+23.76	-28.00	506954.9700	557893.4074
L	66+85.68	-28.00	506920.1619	557954.0508
L	66+85.68	30.00	506874.6462	557918.1019
L	68+02.88	-28.00	506847.5212	558046.0227
L	68+02.88	-34.00	506852.2297	558049.7415
L	68+19.94	-34.00	506841.6571	558063.1278
L	68+39.96	-30.00	506826.1049	558076.3652
L	70+45.55	30.00	506651.5982	558200.5078
L	70+45.55	-30.00	506698.6834	558237.6963
L	70+83.04	-58.00	506700.0138	558283.5299
L	71+20.61	28.00	506609.0363	558262.4633
L	72+46.28	28.00	506531.3028	558360.8834
L	72+63.23	40.63	506510.8369	558366.1729
L	73+10.32	-37.48	506542.1558	558451.8272
L	73+26.17	-15.08	506514.7723	558450.1282

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	14+46.61	-19.71	503800.6333	555603.4127

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	10+39.91	-20.00	505504.2659	557210.9868
Y3	11+08.37	-20.00	505431.9954	557262.1316
Y3	12+08.59	-20.00	505388.7258	557298.8712

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3A	10+52.61	20.00	505695.1436	557260.7137
Y3A	10+98.56	20.00	505724.6219	557309.8509
Y3A	11+57.04	20.00	505768.4247	557348.5864
Y3A	12+02.61	20.00	505789.3904	557378.0243
Y3A	12+40.01	-20.00	505840.9394	557396.0871
Y3A	12+40.01	20.00	505804.7967	557413.2248

MAG NAIL SET
MAG NAIL SET

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	42+45.00	-15.05	506723.0422	557526.5495
Y4	42+95.00	-43.00	506761.3796	557576.9870

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y5	10+25.00	-30.00	506997.6325	557495.3419
Y5	10+25.00	-10.09	506977.9428	557498.2913
Y5	10+45.14	-30.00	507000.6167	557515.2646

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y7	11+67.74	-20.00	506795.8098	557808.0669
Y7	12+47.59	-20.00	506741.0097	557850.7926
Y7	12+70.00	-20.00	506727.1546	557868.4030
Y7	12+70.00	-10.00	506719.2954	557862.2198

MAG NAIL SET IN ROCK

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 7/24/23 TO 8/25/23 .

REVISIONS

RIGHT OF WAY CONTROL SHEET

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	12+73.16	56.28	503238.7598	554657.9657
L	13+00.00	-38.00	503335.6329	554642.9453
L	13+00.00	-32.26	503330.4207	554645.3431
L	14+46.00	65.00	503303.0791	554818.6303
L	14+46.00	70.00	503298.5367	554820.7200
L	14+64.00	75.00	503301.5173	554839.1623
L	14+64.00	65.00	503310.6020	554834.9829
L	17+64.00	80.00	503422.3567	555113.7945
L	18+83.00	-38.00	503579.2915	555172.5861
L	18+83.00	-53.00	503592.9187	555166.3170
L	18+83.00	-29.69	503571.7457	555176.0575
L	19+05.00	-38.00	503588.4862	555192.5726
L	19+05.00	-45.00	503594.8455	555189.6470
L	19+05.00	-29.68	503580.9295	555196.0490
L	19+40.00	-88.00	503648.5378	555203.4722
L	19+50.92	-72.00	503638.5661	555220.0798
L	19+54.00	-193.00	503749.7788	555172.3072
L	19+67.29	-191.00	503753.5163	555185.2167
L	20+10.00	87.12	503518.6997	555340.2558
L	20+10.00	99.00	503507.9088	555345.2201
L	20+53.00	100.00	503524.9717	555384.7025
L	20+53.00	87.65	503536.1947	555379.5394
L	22+92.00	-29.47	503742.4806	555547.7168
L	23+21.00	102.00	503635.1625	555629.0096
L	23+21.00	95.73	503640.8545	555626.3911
L	23+38.00	105.00	503639.5420	555645.5075
L	24+73.01	-45.00	503832.2376	555705.6661
L	24+96.67	-45.00	503842.1263	555727.1613
L	26+89.00	81.59	503807.5031	555954.7997
L	26+89.00	91.00	503798.9574	555958.7311
L	27+07.00	87.00	503810.1142	555973.4119
L	27+07.00	97.00	503801.0295	555977.5913
L	28+35.00	-33.00	503972.6275	556039.5439
L	28+45.00	-160.61	504092.7339	555995.2970
L	29+25.00	79.00	503908.4928	556168.1159
L	29+25.00	85.00	503903.0420	556170.6235
L	29+42.00	88.00	503907.7385	556187.9155
L	29+42.00	79.00	503915.8858	556184.0917
L	30+28.06	77.17	503959.0939	556264.6739
L	30+43.00	79.01	503965.2679	556279.3020
L	30+43.00	92.00	503953.9861	556285.7368
L	30+58.00	84.21	503968.7602	556295.7231
L	30+58.00	92.00	503962.0384	556299.6629
L	31+70.00	-33.00	504129.1183	556328.0168
L	31+79.00	-165.00	504241.2391	556257.8629
L	32+04.29	-164.88	504254.2040	556275.6402
L	33+90.00	80.00	504179.1499	556569.6187
L	34+35.97	84.14	504205.5136	556607.5046
L	36+04.00	108.00	504295.2009	556751.5862
L	36+04.00	95.00	504305.1620	556743.2331
L	36+21.79	92.92	504318.1899	556755.5245
L	36+22.00	108.00	504306.7668	556765.3786
L	37+85.11	73.78	504437.7984	556868.3714
L	39+25.00	-95.00	504653.1680	556859.0772
L	39+50.00	70.00	504556.8135	556995.2072
L	39+63.00	67.17	504569.3906	557002.7428
L	39+85.00	-95.00	504691.0453	556893.4025
L	39+85.00	-60.00	504668.7777	556920.4053
L	40+10.00	72.00	504606.5828	557039.5097
L	40+10.00	81.00	504601.1310	557046.6706
L	40+25.00	77.00	504617.0355	557053.5055
L	40+25.00	68.00	504622.3188	557046.2194
L	40+40.00	57.08	504642.0570	557046.8107
L	41+00.00	70.00	504691.1638	557092.6255
L	41+72.00	-60.00	504813.3269	557007.8746
L	41+72.00	-75.00	504819.1510	556994.0515
L	41+85.00	73.00	504775.0820	557135.9252
L	42+25.00	-75.00	504862.9958	557010.4322
L	42+25.00	-61.25	504858.7183	557023.4999
L	42+25.00	-47.34	504854.3910	557036.7202
L	42+50.00	75.00	504843.0258	557161.1558
L	42+60.00	-68.00	504890.8140	557026.0073
L	42+60.00	-75.00	504892.6265	557019.2460
L	42+79.00	-79.00	504909.8209	557019.4590
L	42+79.00	-71.00	504907.9787	557027.2440
L	43+50.00	63.00	504953.8201	557171.3735
L	44+50.00	75.00	505053.0667	557193.9955
L	45+00.00	65.00	505103.8392	557189.2878
L	45+56.00	-66.00	505173.2527	557064.8741
L	46+00.00	28.50	505207.1123	557163.4631
L	46+00.00	75.00	505202.2416	557209.7073
L	46+96.00	28.50	505302.5842	557173.5186
L	47+21.00	93.00	505320.6906	557240.2825
L	47+55.00	98.00	505353.9798	557248.8163
L	47+57.00	181.00	505347.2750	557331.5692
L	47+96.00	165.00	505386.3047	557319.7351
L	48+66.00	-62.00	505482.5824	557102.8707
L	48+66.00	-75.00	505484.2814	557089.9822

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	49+00.47	50.18	505501.6456	557218.6783
L	49+05.00	-76.00	505523.7863	557094.3767
L	49+05.00	-63.00	505521.9617	557107.2480
L	49+15.11	-32.06	505527.7066	557139.3223
L	49+70.47	-64.97	505588.0342	557115.1708
L	49+72.00	71.00	505568.2332	557249.7037
L	49+72.00	80.00	505566.8209	557258.5922
L	49+90.00	82.00	505583.9134	557263.3732
L	49+90.00	53.00	505588.5929	557234.7532
L	49+95.46	-80.27	505615.5947	557104.1373
L	50+20.00	-79.22	505640.1022	557109.3165
L	51+19.42	-72.83	505738.5748	557133.9394
L	51+79.00	-80.20	505799.5432	557138.8911
L	51+79.00	-92.00	505801.9955	557127.3474
L	51+98.00	-85.00	505819.5115	557138.2716
L	52+08.00	-69.23	505826.0990	557155.8575
L	52+50.00	-55.00	505864.5759	557179.1200
L	52+71.00	84.41	505853.2093	557319.6281
L	52+95.00	-55.00	505908.9649	557189.6396
L	52+95.00	-41.38	505905.7493	557202.8761
L	53+20.00	80.00	505900.8849	557326.6821
L	53+40.00	-50.00	505951.9979	557205.5030
L	53+40.00	-40.18	505949.5733	557215.0155
L	53+40.00	31.50	505931.8685	557284.4781
L	53+65.00	-39.74	505973.9105	557221.7569
L	53+65.00	-50.00	505976.5065	557211.8315
L	54+59.00	69.00	506035.4843	557351.3820
L	55+50.00	-41.37	506153.9953	557271.6409
L	55+50.00	-33.43	506151.6345	557279.2173
L	56+17.50	29.42	506196.7323	557359.6931
L	56+40.00	-40.24	506239.9925	557300.6547
L	56+40.00	-32.67	506237.6076	557307.8394
L	56+66.00	-99.00	506283.4504	557253.1749
L	56+84.00	-107.00	506304.2399	557251.8275
L	56+92.00	-39.00	506289.6012	557318.7607
L	57+07.00	-55.00	506309.5779	557308.9503
L	57+16.00	-51.00	506316.9333	557315.9304
L	57+20.00	31.11	506291.9294	557394.2395
L	57+20.00	65.00	506280.0082	557425.9684
L	57+43.00	230.00	506240.1513	557587.4147
L	57+48.00	69.00	506303.5175	557439.3406
L	57+48.00	31.08	506317.5133	557404.1023
L	57+56.00	70.00	506310.2289	557443.1041
L	57+56.00	31.04	506324.8047	557406.9684
L	57+65.00	-67.00	506370.1863	557319.5938
L	57+83.00	-65.00	506386.7579	557328.6777
L	57+83.00	-50.00	506380.8972	557342.4854
L	57+91.00	231.00	506277.3310	557603.8109
L	57+91.00	30.66	506356.5880	557419.8153
L	58+35.13	-29.76	506421.5574	557382.7338
L	59+06.00	29.70	506458.6860	557467.4483
L	60+85.00	79.00	506580.8599	557598.6794
L	60+85.00	70.00	506585.9620	557591.2653
L	61+04.00	66.00	506603.1273	557598.3618
L	61+04.00	76.00	506597.3544	557606.5272
L	61+52.30	29.05	506662.6931	557596.1504
L	61+89.00	-54.40	506743.0775	557552.9084
L	61+89.00	-63.00	506748.4313	557546.1793
L	62+05.00	-65.00	506762.6840	557555.0771
L	62+05.00	-73.00	506767.7313	557548.8703
L	62+60.84	37.50	506743.0858	557671.2095
L	62+60.84	30.18	506747.3611	557665.2658
L	62+77.22	-102.26	506832.6782	557563.0989
L	63+26.19	56.15	506802.5307	557724.0785
L	65+64.88	75.38	506867.4254	557819.0752
L	66+10.29	30.00	506904.8390	557861.3585
L	69+02.54	30.00	506740.2322	558088.2863
L	69+84.00	-30.00	506736.8296	558189.3985
L	70+52.00	-50.00	506711.7906	558253.7207
L	70+52.00	-45.00	506707.7461	558250.7810
L	70+69.00	-53.69	506704.7779	558269.6397
L	70+69.00	-47.16	506699.4993	558265.8029

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	14+05.00	22.90	503823.2605	555548.2819
Y1	14+05.00	36.00	503818.6215	555536.0288
Y1	14+36.00	36.00	503788.6726	555547.9608

NOT SET IN SHED
NOT SET IN SHED

MAG NAIL SET

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MAG NAIL SET
MAG NAIL SET
MAG NAIL SET
MAG NAIL SET

MAG NAIL SET

I, Mark A. Parris, 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 7/24/23 to 8/25/23, and all coordinates are based on NAD83(2011). That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 5th day of September, 2023.

DocuSigned by:
Mark A. Parris
Professional Land Surveyor L-4529
Asheville, NC 28806
Firm License # F-1088

PROJECT REFERENCE NO.
R-5863

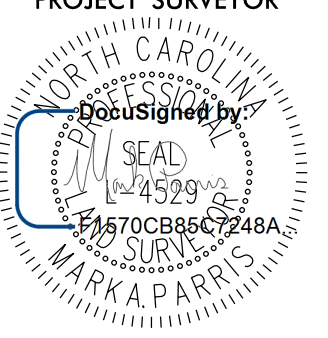
SHEET NO.
RW03E-2

Location and Surveys



Vaughn & Melfon
1318-F Patton Avenue
Asheville, NC 28806
Firm License # F-1088

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3A	10+88.00	20.00	505715.2542	557300.3109
Y3A	10+88.00	33.00	505705.3605	557308.7439
Y3A	11+02.00	33.00	505718.5838	557321.8653
Y3A	12+00.00	-24.00	505828.8022	557358.2809

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	41+20.00	-239.00	506911.1535	557352.2110
Y4	41+25.01	-263.05	506935.7102	557351.4043
Y4	41+26.89	-282.98	506955.5139	557348.5137
Y4	41+29.68	-318.45	506990.6455	557342.8605
Y4	41+42.29	-281.59	506957.8047	557363.8116
Y4	41+46.00	-317.00	506993.0868	557359.0614

REVISIONS

-L-
PI Sta 11+53.90 Δ = 57°17' 43.6" (RT) D = 25°21' 07.6" L = 226.00' T = 123.46' R = 226.00'

-YI-
PI Sta 14+06.54 Δ = 7° 45' 07.2" (LT) D = 6° 21' 58.3" L = 121.77' T = 60.98' R = 900.00'

-DWYI-
PI Sta 10+42.80 Δ = 23°05' 43.5" (LT) D = 36°57' 54.1" L = 62.48' T = 31.67' R = 155.00'
PI Sta 11+41.25 Δ = 8° 29' 45.6" (RT) D = 57°57' 28.1" L = 1.48' T = 0.74' R = 10.00'

I, Mark A. Parris, 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 7/24/23 to 8/25/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 5th day of September, 2023.

Professional Land Surveyor L-4529

PROJECT REFERENCE NO.
R-5863

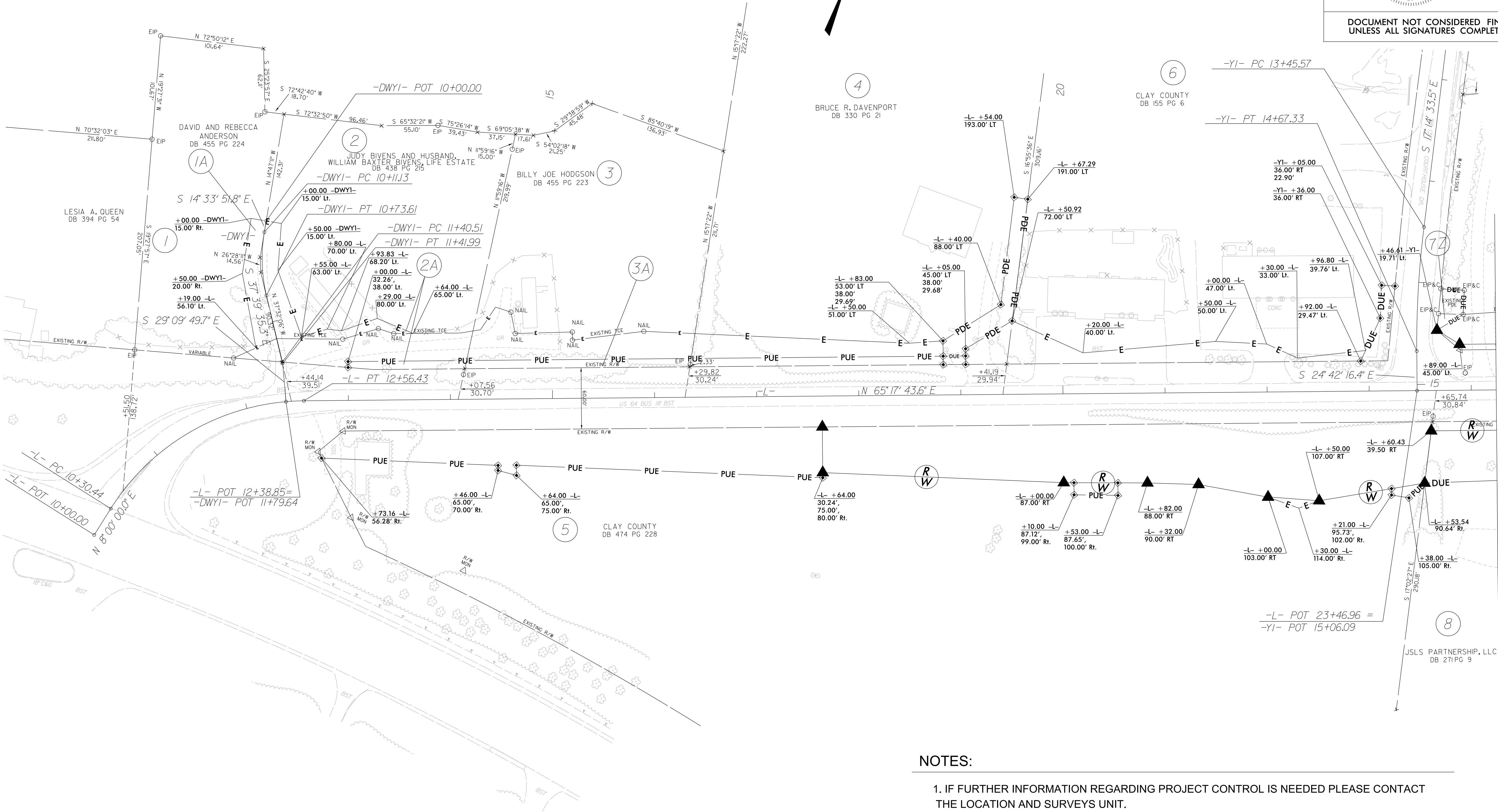
SHEET NO.
RW04

Location and Surveys

Vaughn & Melton
1318-F Patton Avenue
Asheville, NC 28806
Firm License # F-1088

PROJECT SURVEYOR

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



NOTES:

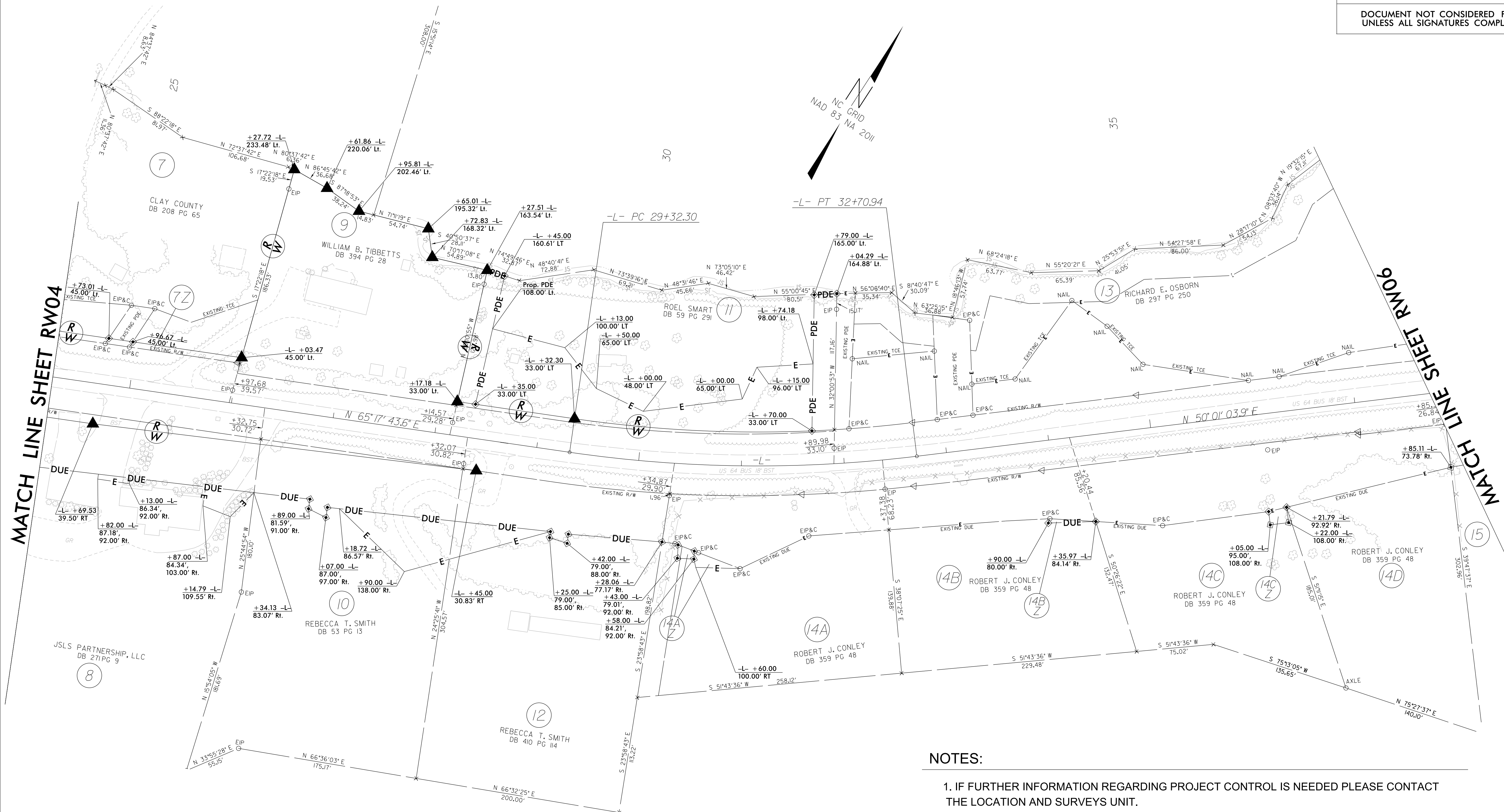
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 7/24/23 TO 8/25/23.

MATCH LINE SHEET RW05

I, Mark A. Parris, 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 7/24/23 to 8/25/23 and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This document is signed by: 5th day of September, 2023.

Professional Land Surveyor L-4529



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 7/24/23 TO 8/25/23.

REVISIONS

-L-	
PI Sta 41+26.90 Δ = 44° 00' 18.9" (LT) D = 8° 54' 38.5" L = 493.85' T = 259.82' R = 643.00'	PI Sta 51+94.30 Δ = 12° 21' 04.9" (RT) D = 1° 25' 56.6" L = 862.29' T = 432.82' R = 4,000.00'

-Y2-	
PI Sta 20+94.06 Δ = 53° 42' 54.9" (LT) D = 8° 51' 04.0" L = 65.63' T = 35.45' R = 70.00'	PI Sta 22+29.52 Δ = 54° 46' 03.7" (LT) D = 57° 17' 44.8" L = 95.59' T = 51.80' R = 100.00'

-Y3-	
PI Sta 10+80.73 Δ = 78° 27' 21.6" (RT) D = 114° 35' 29.6" L = 68.47' T = 40.82' R = 50.00'	PI Sta 11+71.92 Δ = 92° 46' 05.2" (LT) D = 114° 35' 29.6" L = 80.96' T = 52.48' R = 50.00'

-Y3-	
PI Sta 10+80.73 Δ = 78° 27' 21.6" (RT) D = 114° 35' 29.6" L = 68.47' T = 40.82' R = 50.00'	PI Sta 11+71.92 Δ = 92° 46' 05.2" (LT) D = 114° 35' 29.6" L = 80.96' T = 52.48' R = 50.00'

I, Mark A. Parris, 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 7/24/23 to 8/25/23, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 5th day of September, 2023.

DocuSigned by:
Professional Land Surveyor L-4529
Mark A. Parris

PROJECT REFERENCE NO.
R-5863

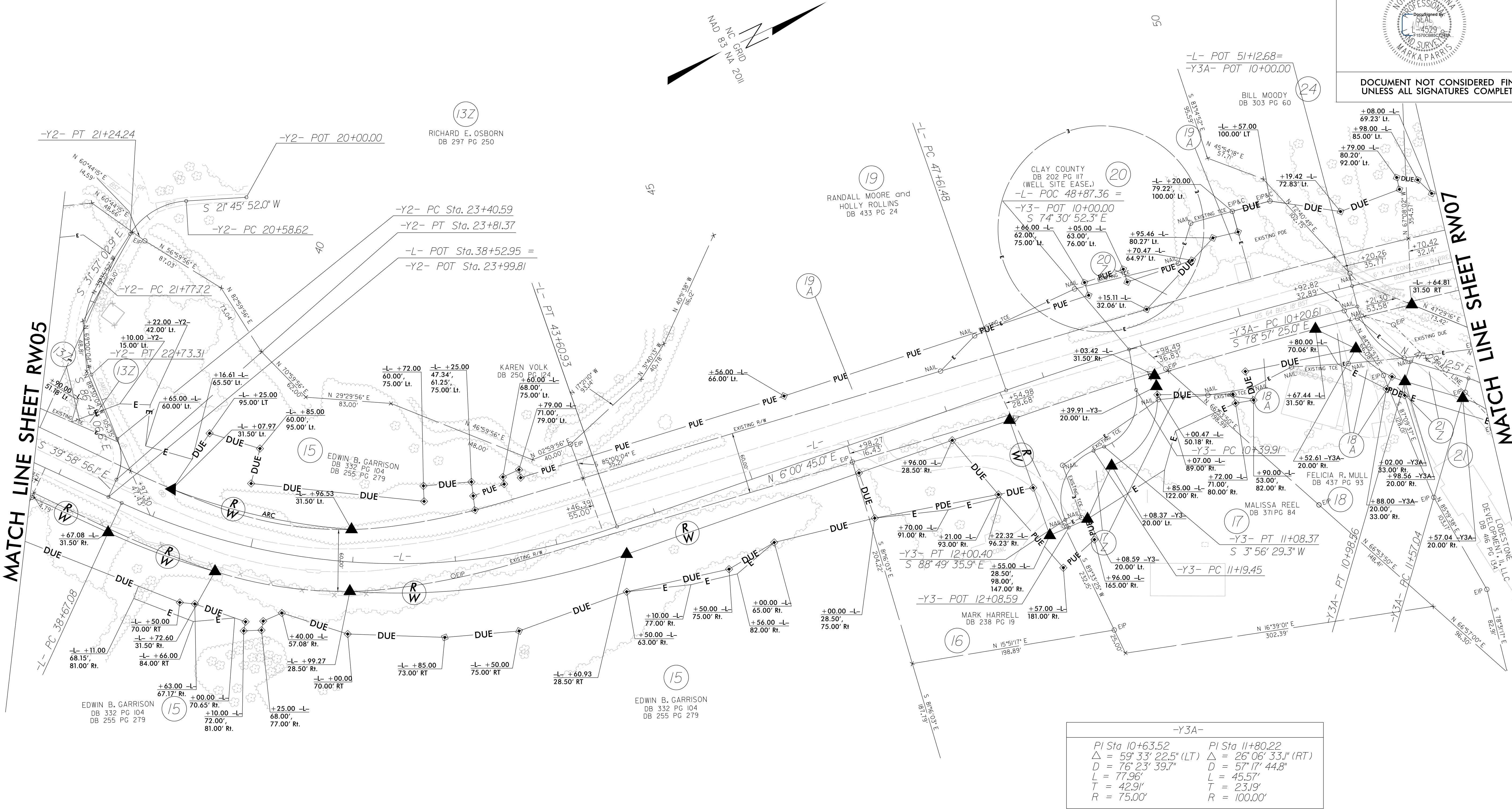
SHEET NO.
RW06

Location and Surveys

1318-F Patton Avenue
Asheville, NC 28806
Firm License # F-1088

PROJECT SURVEYOR

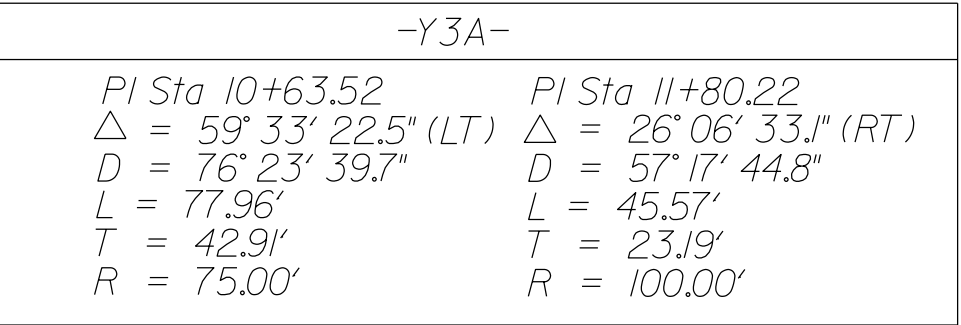
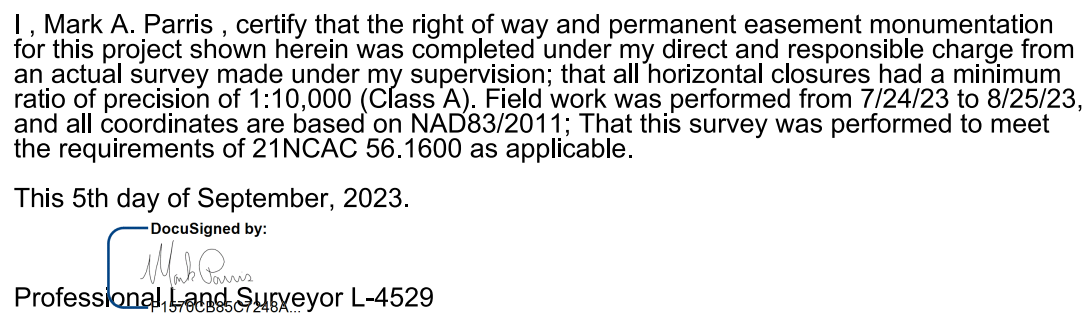
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



-Y3A-	
PI Sta 10+63.52 Δ = 59° 33' 22.5" (LT) D = 76° 23' 39.7" L = 77.96' T = 42.91' R = 75.00'	PI Sta 11+80.22 Δ = 26° 06' 33.1" (RT) D = 57° 17' 44.8" L = 45.57' T = 23.19' R = 100.00'

- 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 7/24/23 TO 8/25/23.

-Y4-
<i>PI Sta 42+90.14</i> $\Delta = 16^{\circ} 15' 10.2'' (RT)$ $D = 57^{\circ} 17' 44.8''$ $L = 28.37'$ $T = 14.28'$ $R = 100.00'$



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 7/24/23 TO 8/25/23.

-L-		-Y5-	
<i>PI Sta</i> 63+0.99	<i>PI Sta</i> 65+99.03	<i>PI Sta</i> 11+20.57	<i>PI Sta</i> 39' 30" 48.3" (RT)
$\Delta = 31^{\circ} 40' 33.6"$ (LT)	$\Delta = 50^{\circ} 55' 08.5"$ (RT)	$\Delta = 39^{\circ} 30' 48.3"$ (RT)	
<i>D</i> = 22' 55" 05.9'	<i>D</i> = 27' 17" 01.3'	<i>D</i> = 27' 17" 01.3'	
<i>L</i> = 138.21'	<i>L</i> = 186.63'	<i>L</i> = 144.82'	
<i>T</i> = 70.92'	<i>T</i> = 99.98'	<i>T</i> = 75.43'	
<i>R</i> = 250.00'	<i>R</i> = 210.00'	<i>R</i> = 210.00'	

-Y6-		-Y7-	
<i>PI Sta</i> 11+38.71	<i>PI Sta</i> 11+00.24	<i>PI Sta</i> 12+08.47	<i>PI Sta</i> 12+08.47
$\Delta = 26^{\circ} 58' 53.0"$ (LT)	$\Delta = 19^{\circ} 31' 44.6"$ (RT)	$\Delta = 27^{\circ} 43' 38.4"$ (LT)	$\Delta = 27^{\circ} 43' 38.4"$ (LT)
<i>D</i> = 57' 17" 44.8"	<i>D</i> = 14' 19" 26.2"	<i>D</i> = 34' 43" 29.0"	<i>D</i> = 34' 43" 29.0"
<i>L</i> = 47.09'	<i>L</i> = 136.34'	<i>L</i> = 79.85'	<i>L</i> = 79.85'
<i>T</i> = 23.99'	<i>T</i> = 68.84'	<i>T</i> = 40.72'	<i>T</i> = 40.72'
<i>R</i> = 100.00'	<i>R</i> = 400.00'	<i>R</i> = 165.00'	<i>R</i> = 165.00'

I, Mark A. Paris, 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 7/24/23 to 8/25/23, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 5th day of September, 2023.

DocuSigned by:
Professional Land Surveyor L-4529
F1570CB88C7248A...

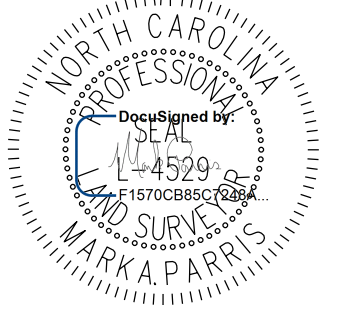
PROJECT REFERENCE NO.	SHEET NO.
R-5863	RW08

Location and Surveys

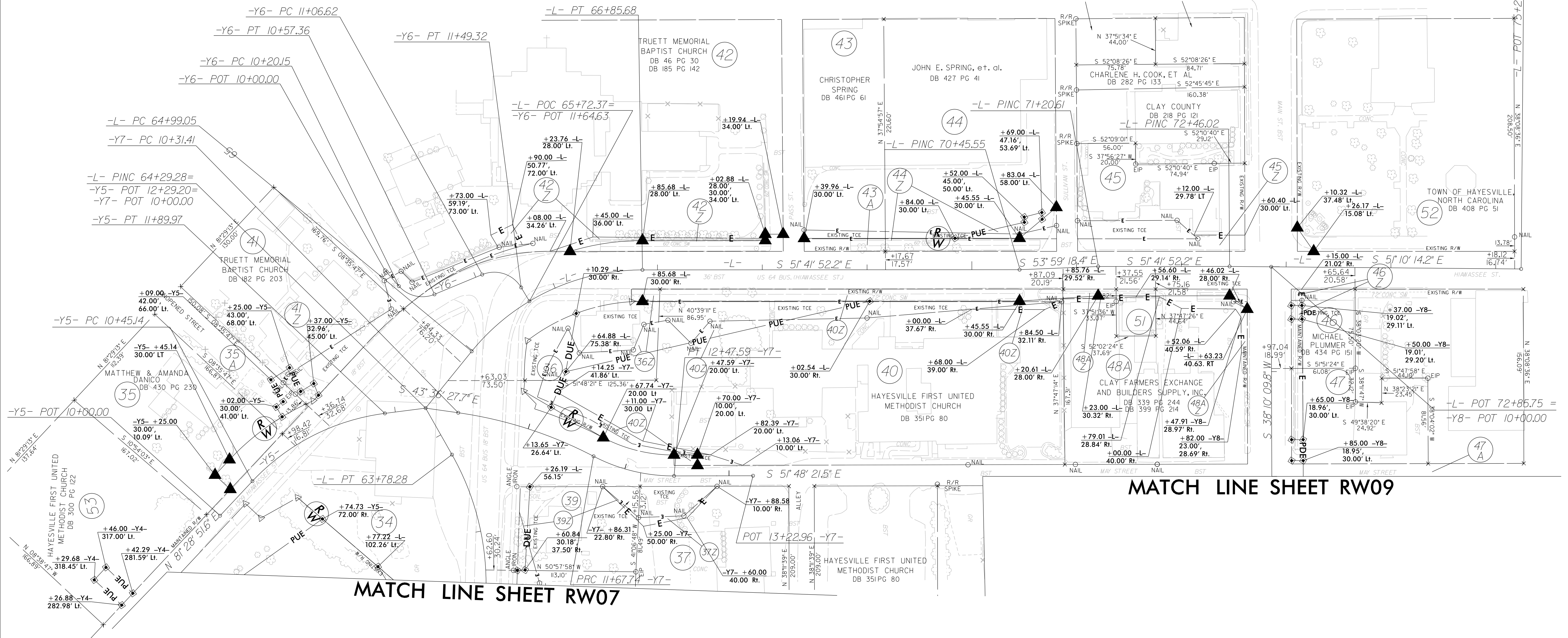


1318-F Patton Avenue
Asheville, NC 28806
Firm License # F-1088

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 7/24/23 TO 8/25/23.

