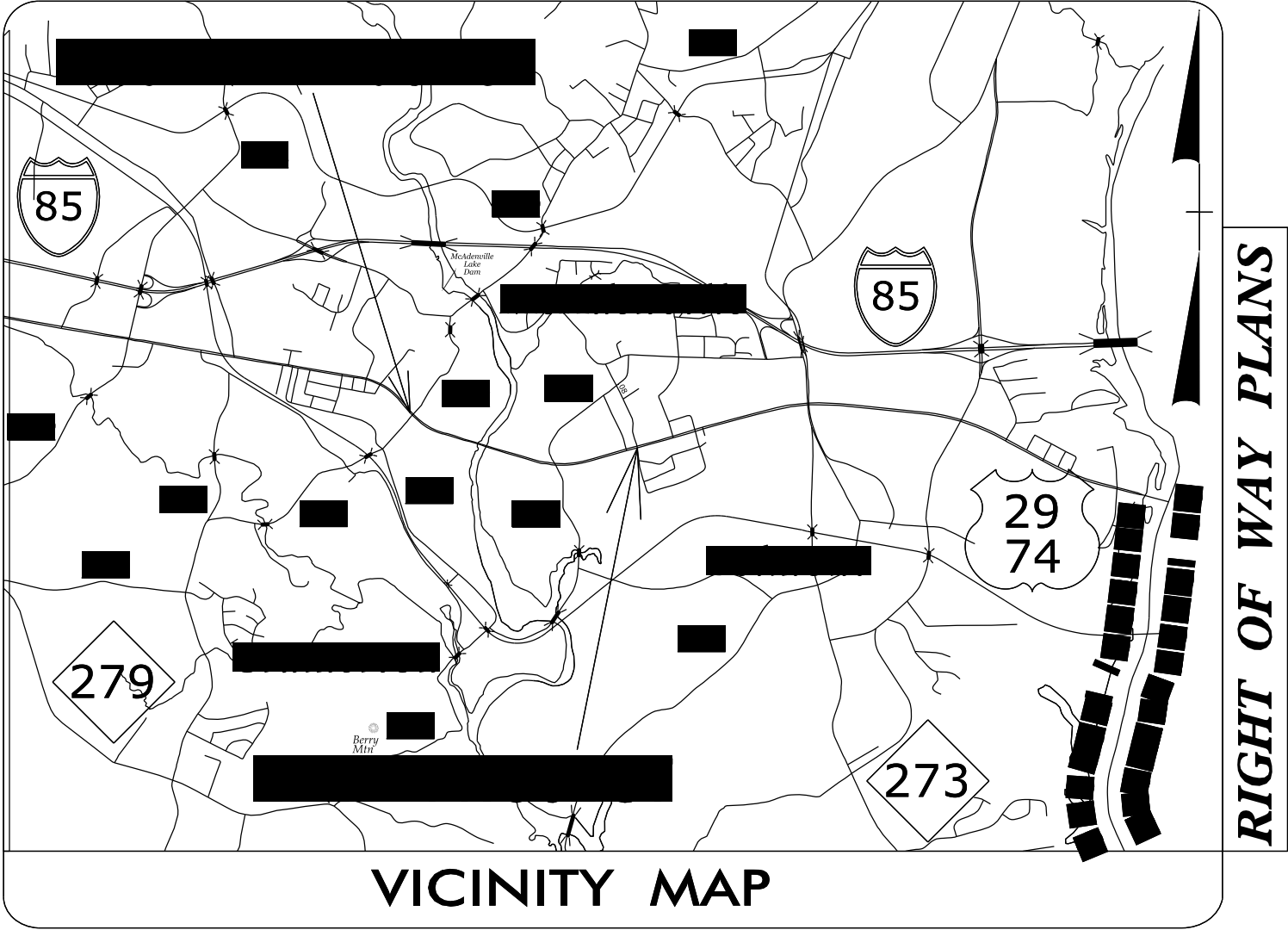


10/2025

TIP PROJECT: U-6146/B-5857

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Plan Sheet Symbols



VICINITY MAP

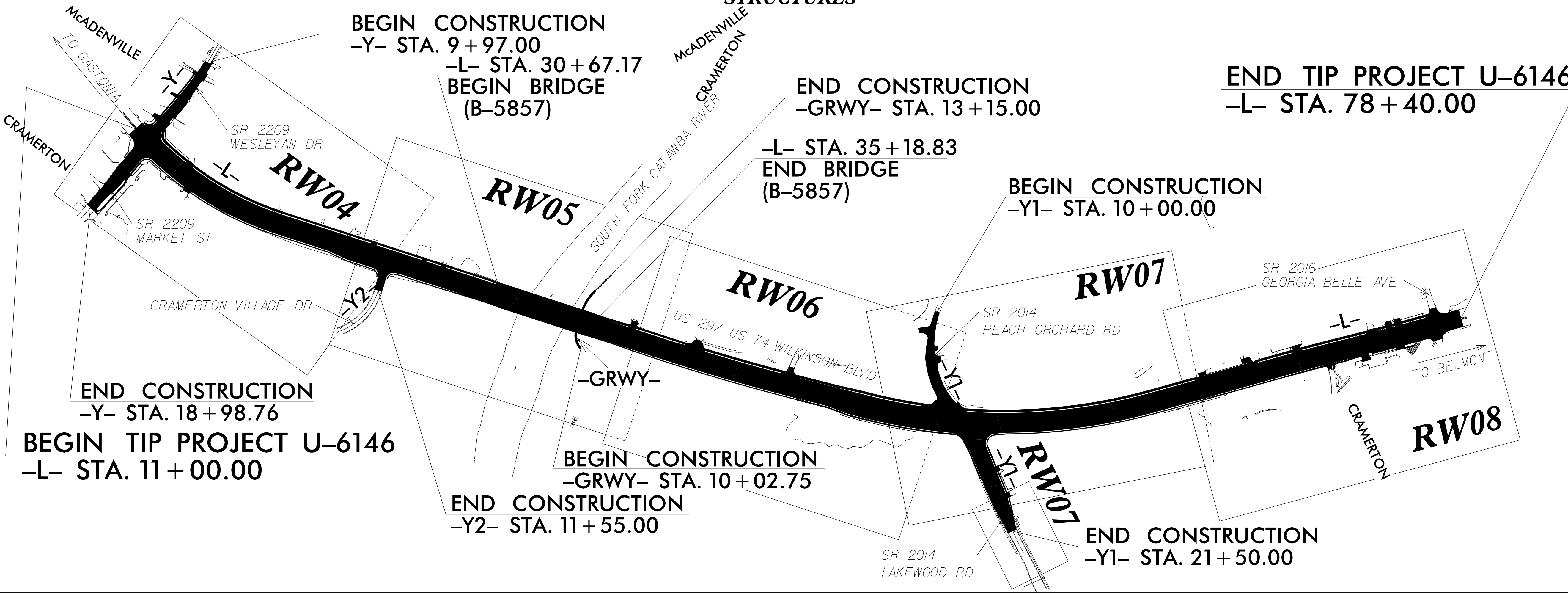
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

GASTON COUNTY

LOCATION: US 29/US 74 (WILKINSON BLVD) FROM SR 2209
(WESLEYAN DR/MARKET ST) TO SR 2016/SR 2017
(GEORGIA BELLE AVE/HUBBARD ST) COMBINED
WITH B-5857.

TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNALS, AND
STRUCTURES



NAD 83/2011

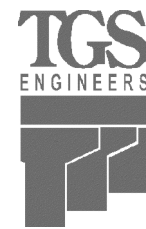
GRAPHIC SCALE



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCDOT FOR MONUMENT "B5857-1"
WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 552,492.252(ft) EASTING: 1,379,584.764(ft)
ELEVATION: 639.07(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 0.999847
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"B5857-1" TO -L- STATION 11+00.00 IS
N 45°56'31.3" W 578.828(ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:



TGS ENGINEERS
201 WEST MARION STREET
SUITE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
7/14/2021

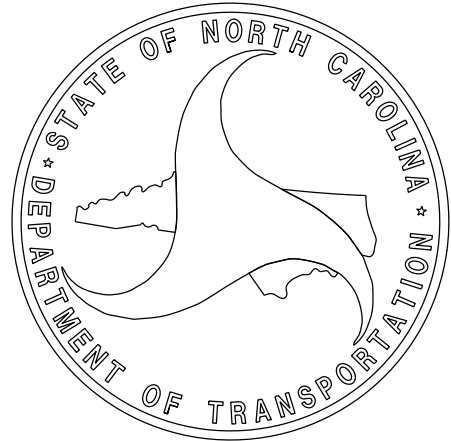
LETTING DATE:
11/17/2026

PROFESSIONAL LAND
SURVEYOR



Signed by:
Matthew Cornwell
EBO39511473E475
10/8/2025
SIGNATURE:

Date:



SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.
U-6146B-5857

SHEET NO.
RW02C-1

Location and Surveys



TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

EXISTING CENTERLINE ALIGNMENTS

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	552970.565	1379103.593							
CURVE	552620.637	1379477.121	S 46°52'06.0" E	511.83	15°19'10.1"(LT)	02°59'03.0"	513.36	258.22	1920.00
PCC									
CURVE	552432.688	1379801.412	S 59°54'17.5" E	374.82	10°45'12.8"(LT)	02°51'53.2"	375.37	188.24	2000.00
PCC									
CURVE	552397.479	1379885.915	S 67°22'48.5" E	91.54	04°11'49.3"(LT)	04°35'01.2"	91.57	45.80	1250.00
PCC									
CURVE	552328.778	1380087.899	S 71°12'55.0" E	213.35	03°28'23.7"(LT)	01°37'39.8"	213.38	106.72	3520.00
PT									
LINE			S 72°57'06.8" E	2538.87					
PC	551584.445	1382515.213							
CURVE			S 80°27'09.9" E	691.87	15°00'06.0"(LT)	02°09'43.6"	693.85	348.92	2650.00
PCC	551469.691	1383197.495							
CURVE			N 88°19'35.8" E	397.05	07°26'22.7"(LT)	01°52'20.7"	397.33	198.94	3060.00
PCC	551481.286	1383594.376							
CURVE			N 79°27'53.5" E	525.19	10°17'01.9"(LT)	01°57'19.8"	525.90	263.66	2930.00
PT	551577.311	1384110.715							
LINE			N 74°19'22.5" E	1528.60					
POT	551990.362	1385582.450							

EY POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	553011.051	1379377.655							
CURVE			S 40°17'10.5" W	110.57	05°10'24.1"(RT)	04°40'37.9"	110.61	55.34	1225.00
PCC	552926.706	1379306.159							
PT	552693.296	1379100.368	S 41°24'06.2" W	311.17	02°56'32.7"(LT)	00°56'43.7"	311.21	155.64	6060.00

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	552013.028	1383032.829							
CURVE			S 07°19'01.3" W	206.80	22°56'20.1"(LT)	11°01'06.3"	208.19	105.51	520.00
PCC	551807.912	1383006.491							
CURVE			S 21°38'27.9" E	255.44	34°58'38.1"(LT)	13°28'52.9"	259.45	133.91	425.00
PCC	551570.479	1383100.695							
CURVE			S 30°50'30.1" E	258.03	16°34'33.6"(RT)	06°24'06.3"	258.93	130.37	895.00
PT	551348.940	1383232.977							
LINE			S 22°33'13.3" E	368.88					
PC	551008.273	1383374.460							
CURVE			S 25°27'24.1" E	172.19	05°48'21.6"(LT)	03°22'13.2"	172.27	86.21	1700.00
PT	550852.797	1383448.474							

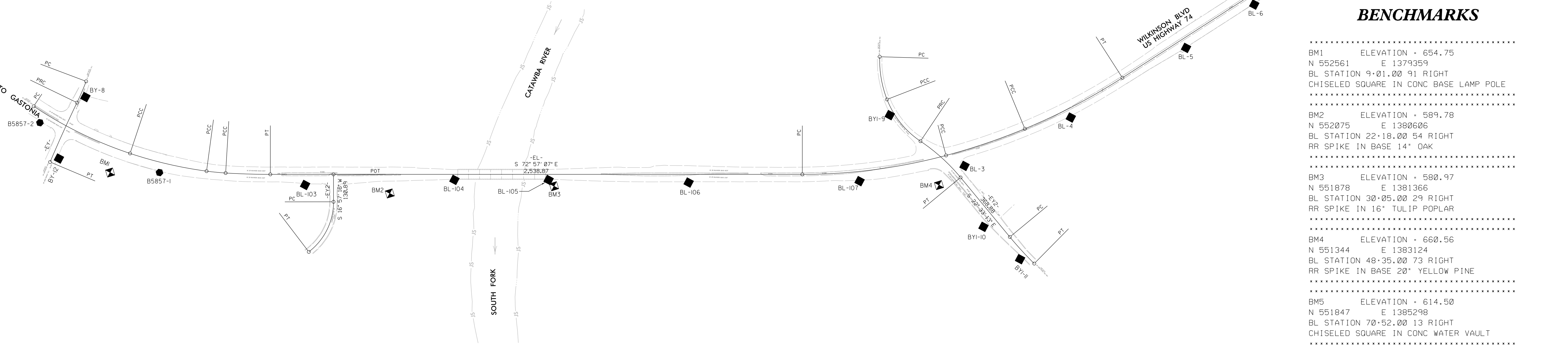
EY2 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	552240.377	1380376.181							
LINE			S 16°57'15.5" W	130.89					
PC	552115.178	1380338.013							
CURVE			S 43°20'36.4" W	266.68	52°46'41.8"(RT)	19°05'54.9"	276.35	148.85	300.00
PT	551921.235	1380154.973							

BASELINE

BL POINT	DESC.	NORTH	EAST	ELEVATION
2	B5857-2	552887.0680	1379108.9560	664.47
1	B5857-1	552492.2520	1379584.7640	639.07
103	BL-103	552231.6828	1380231.5102	598.63
104	BL-104	552045.9912	1380920.0325	586.54
105	BL-105	551913.8354	1381349.6441	586.55
106	BL-106	551706.0203	1381984.9358	615.60
107	BL-107	551473.2787	1382766.7816	632.42
3	BL-3	551396.1136	1383267.0629	658.26
4	BL-4	551467.9982	1383819.6343	647.25
5	BL-5	551624.6500	1384442.7803	623.94
6	BL-6	551726.9340	1384814.7564	626.72
7	BL-7	551881.3749	1385375.1004	612.11
13	B5857-13	552257.5374	1386361.3879	643.58

BY POINT	DESC.	NORTH	EAST	ELEVATION
8	BY-8	552940.2819	1379352.0780	664.57
E02	B5857-2	552887.0680	1379108.9560	664.47
12	BY-12	552696.6852	1379145.2971	664.61

BY1 POINT	DESC.	NORTH	EAST	ELEVATION
9	BY1-9	551732.2890	1382996.9884	660.04
E03	BL-3	551396.1136	1383267.0629	658.26
10	BY1-10	551091.3747	1383268.1494	674.40
11	BY1-11	550892.5641	1383389.8786	659.31



- 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.

REVISIONS

PROPOSED ALIGNMENT CONTROL SHEET

L			
TYPE	STATION	NORTH	EAST
POT	8+00.00	553125.5350	1378977.1643
PC	10+00.00	552970.5651	1379103.5934
PCC	13+66.56	552710.3090	1379360.9405
PT	19+38.75	552435.2415	1379858.7176
PC	38+98.34	551829.7991	1381722.4351
PT	45+70.12	551643.2185	1382367.6619
PC	48+99.17	551562.1684	1382686.5676
PT	63+09.91	551579.4177	1384081.2126
PC	69+53.08	551753.2120	1384700.4567
PRC	72+69.32	551833.8369	1385006.2338
PT	75+85.56	551914.4617	1385312.0109
POT	78+66.45	551990.3620	1385582.4499

Y			
TYPE	STATION	NORTH	EAST
POT	9+00.00	553298.5070	1379565.2904
PC	10+75.40	553147.0227	1379476.8792
PCC	11+76.86	553063.1441	1379419.9382
PRC	13+87.77	552902.2788	1379283.6044
PCC	16+29.61	552721.1624	1379123.3612
PRC	16+98.56	552667.3095	1379080.3249
PT	18+21.12	552572.3250	1379002.9400
POT	19+69.98	552460.9920	1378904.1237

Y1			
TYPE	STATION	NORTH	EAST
PC	9+75.00	552036.4934	1383041.4455
PCC	10+82.88	551932.7706	1383012.4902
PRC	14+77.26	551561.8667	1383107.6128
PT	17+25.14	551348.9404	1383232.9765
PC	20+94.02	551008.2729	1383374.4599
PT	22+66.29	550852.7972	1383448.4738

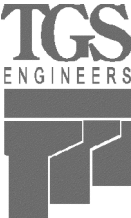
Y2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	552264.7268	1380383.6084
PC	11+56.35	552115.1717	1380338.0114
PT	14+32.69	551921.2352	1380154.9728

GRWY			
TYPE	STATION	NORTH	EAST
PC	10+00.00	551833.9298	1381316.9252
PT	11+00.31	551926.9008	1381294.0827
PC	11+78.62	552002.0317	1381316.1618
PT	13+15.87	552117.4743	1381387.3481

PROJECT REFERENCE NO.
U-6146B-5857

SHEET NO.
RW02D-1

Location and Surveys



TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

PROJECT SURVEYOR

Signed by:
Matthew Cornwell
ES039F11473E475

10/8/2025



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Matthew T. Cornwell, 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 10/8/2025

Signed by:
Matthew Cornwell
ES039F11473E475

Professional Land Surveyor L-4775

10/2025

REVISIONS

08-OCT-2025 JCH
SS-Survey\Projects\ncdot\U-6146\2025 RW REVISIONS\NTC U6146_1s_r-w-03e-1.dgn
mcornwell A Mcornwell\CAP TOP

RIGHT OF WAY CONTROL SHEET

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
L	10+96.80	-50.00	552930.6496	1379203.7532
L	11+20.00	50.00	552846.0480	1379145.6136
L	12+42.00	-70.00	552843.8932	1379316.2161
L	12+50.00	60.00	552744.0298	1379232.6045
L	13+66.56	-70.00	552764.0477	1379405.7976
L	13+66.56	60.00	552664.2473	1379322.4917
L	14+95.00	60.00	552583.1428	1379428.5733
L	14+95.00	65.00	552579.0444	1379425.7092
L	18+04.87	65.00	552422.4455	1379707.8883
L	19+38.75	-70.00	552501.8166	1379880.3450
L	27+95.00	100.00	552075.5834	1380642.1809
L	27+95.00	70.43	552103.7083	1380651.3175
L	29+40.00	-110.00	552230.5092	1380844.9689
L	29+40.00	-70.00	552192.4662	1380832.6104
L	35+70.00	100.00	551836.1367	1381379.2632
L	35+70.00	65.00	551869.4243	1381390.0769
L	36+95.00	-110.00	551997.2419	1381563.0298
L	36+95.00	-70.00	551959.1989	1381550.6712
L	38+98.34	65.00	551767.9793	1381702.3525
L	41+48.84	-70.00	551822.3896	1381981.5996
L	45+70.12	65.00	551580.2213	1382351.6511
L	45+82.28	-65.00	551703.2208	1382395.4570
L	46+11.03	65.00	551570.1441	1382391.3015
L	47+45.00	-65.00	551663.1396	1382553.1634
L	47+70.00	78.00	551518.3877	1382542.1693
L	47+70.00	72.37	551523.8452	1382543.5564
L	48+99.17	78.00	551486.5717	1382667.3547
L	48+99.17	-70.00	551630.0116	1382703.8100
L	51+90.00	-70.00	551575.1387	1382981.6000
L	53+30.54	78.00	551412.0004	1383104.4039
L	53+73.61	-80.00	551565.9860	1383160.1242
L	55+50.00	-70.00	551549.0582	1383331.0351
L	55+50.00	-80.00	551559.0579	1383331.1134
L	55+55.00	61.16	551417.8690	1383335.1211
L	62+65.00	59.47	551510.1261	1384052.9898
L	62+65.00	65.00	551504.7771	1384054.3954
L	63+09.91	-70.00	551646.8137	1384062.2976
L	65+45.00	-70.00	551710.3387	1384288.6426
L	65+45.00	-65.00	551705.5247	1384289.9937
L	66+40.00	63.00	551607.9567	1384416.0472
L	66+40.00	60.00	551610.8451	1384415.2366
L	68+20.00	-65.00	551779.8339	1384554.7637
L	68+20.00	-70.00	551784.6479	1384553.4126
L	69+53.08	60.00	551695.4440	1384716.6696
L	69+53.08	-70.00	551820.6080	1384681.5417
L	72+69.32	60.00	551775.5851	1385020.6121
L	72+69.32	-70.00	551901.7972	1384989.4592
L	73+86.53	-70.00	551930.3509	1385102.2943
L	74+26.82	-70.00	551940.4692	1385140.9949
L	75+85.56	60.00	551856.6937	1385328.2238
L	75+85.56	-70.00	551981.8577	1385293.0958
L	76+50.88	60.00	551874.3430	1385391.1095
L	76+97.40	-70.00	552012.0774	1385400.7712

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	10+50.00	40.00	553189.1196	1379455.1342
Y	10+50.00	17.00	553177.5261	1379474.9985
Y	10+75.40	40.00	553167.1852	1379442.3325
Y	11+76.86	40.00	553087.8102	1379388.4488
Y	13+62.00	40.00	552948.1053	1379271.1751
Y	13+75.00	-30.00	552891.5574	1379314.4266
Y	15+60.00	-68.00	552729.1784	1379220.1018
Y	15+73.00	-55.00	552727.9910	1379201.8362
Y	15+78.00	30.00	552779.9351	1379134.3698
Y	16+29.61	-55.00	552685.4346	1379165.1765
Y	16+83.71	-55.00	552645.6221	1379132.8964
Y	18+21.66	-30.00	552552.0073	1379025.0188
Y	18+21.69	-46.02	552541.3473	1379036.9830
Y	18+21.69	-48.20	552539.9002	1379038.6071

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	10+10.00	-40.00	551991.3791	1383067.8093
Y1	10+10.00	-30.00	551994.4169	1383058.2818
Y1	10+82.88	-40.00	551926.0626	1383051.9237
Y1	11+35.00	30.28	551882.7551	1382976.3846
Y1	12+25.00	50.00	551784.5405	1382960.4873
Y1	12+55.00	-40.00	551769.4880	1383054.2109
Y1	12+55.00	-35.00	551768.5058	1383049.3083
Y1	13+95.00	50.00	551606.6676	1383018.3945
Y1	14+61.70	-35.00	551595.0412	1383126.2761
Y1	16+76.00	53.42	551370.6180	1383164.7614
Y1	17+32.00	-50.00	551361.7821	1383281.7839
Y1	18+53.48	51.40	551210.7033	1383234.7347
Y1	20+50.00	-50.00	551068.1026	1383403.7526
Y1	20+90.00	-37.22	551026.2617	1383407.2961

I, Matthew T. Cornwell, 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 8/16/2021 to 9/24/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

10/8/2025

This _____.

Signed by:
Matthew Cornwell
EBD38F11473E475
Professional Land Surveyor L-4775



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

- NOTES:
- MAGNAIL SET
 - EXISTING RW (REBAR & CAP)

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 8/16/2021 TO 9/24/2025.

REVISIONS

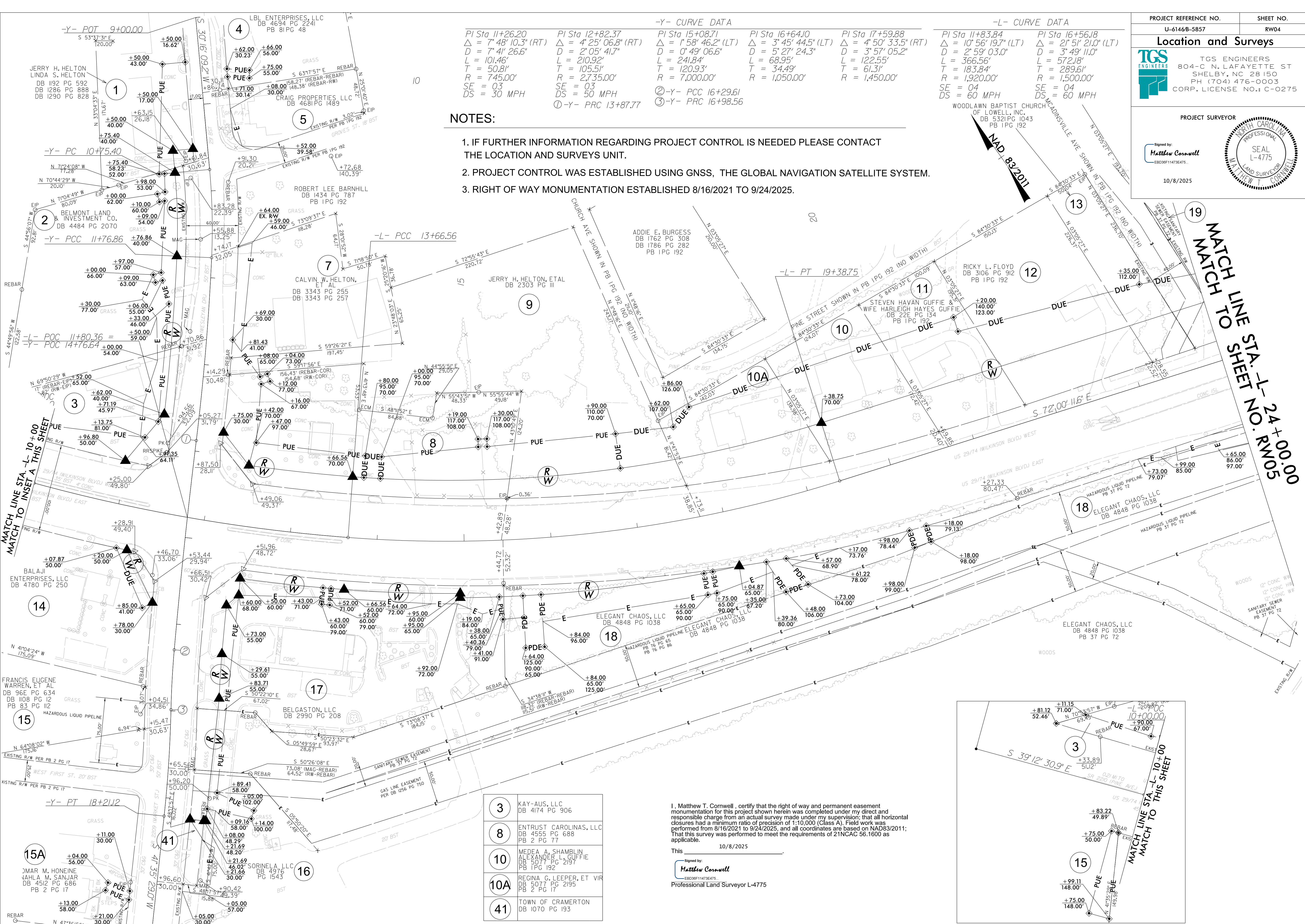
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A - MCCORMELL

PERMANENT EASEMENT MARKER IRON PIN & CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
L	8+81.12	-52.46	553095.8395	1379069.0908
L	9+11.15	-71.00	553084.2891	1379102.4446
L	9+75.00	50.00	552958.3291	1379049.0473
L	9+75.00	148.00	552896.3788	1378973.1120
L	9+83.22	49.89	552952.0308	1379054.3271
L	9+90.00	-67.00	553020.6674	1379149.1869
L	9+99.11	148.00	552877.6987	1378988.3518
L	11+07.87	50.00	552855.2096	1379137.1865
L	11+13.75	-81.00	552939.4359	1379237.6900
L	12+47.00	-97.00	552860.1881	1379338.2694
L	13+43.00	79.00	552665.4970	1379291.5796
L	13+43.00	60.00	552679.9327	1379303.9332
L	13+52.00	79.00	552659.4213	1379298.7132
L	13+52.00	60.00	552673.9147	1379310.9989
L	13+80.00	-70.00	552755.8831	1379415.6683
L	13+80.00	-95.00	552775.2182	1379431.5161
L	14+00.00	-70.00	552743.8951	1379430.4947
L	14+00.00	-95.00	552763.4398	1379446.0833
L	15+19.00	-108.00	552708.2389	1379543.1633
L	15+19.00	-117.00	552715.6976	1379548.1999
L	15+30.00	-108.00	552702.5573	1379551.6440
L	15+30.00	-117.00	552710.0527	1379556.6258
L	15+38.00	65.00	552553.8766	1379462.8463
L	15+41.00	91.00	552530.4022	1379451.2313
L	15+64.00	125.00	552488.4695	1379453.5749
L	15+64.00	90.00	552518.0501	1379472.2830
L	15+64.00	65.00	552539.1791	1379485.6459
L	15+84.00	125.00	552477.0108	1379471.9634
L	15+84.00	65.00	552528.1434	1379503.3553
L	16+90.00	-110.00	552628.8873	1379680.3705
L	16+90.00	-70.00	552593.4063	1379661.9016
L	17+62.00	-107.00	552596.7888	1379739.0134
L	17+65.00	90.00	552416.5533	1379659.4329
L	17+65.00	65.00	552439.2782	1379669.8532
L	17+75.00	65.00	552434.9611	1379679.3514
L	17+75.00	90.00	552412.1673	1379669.0829
L	17+86.00	-126.00	552605.0007	1379767.0050
L	18+35.00	67.20	552408.3576	1379736.1038
L	18+48.00	106.00	552367.2226	1379734.5252
L	18+57.00	68.90	552398.3317	1379756.8710
L	18+73.00	104.00	552359.5099	1379760.2168
L	19+98.00	99.00	552322.7782	1379884.4839
L	19+98.00	78.44	552342.3343	1379890.8369
L	20+18.00	98.00	552317.5500	1379903.8144
L	20+18.00	79.13	552335.4975	1379909.6448
L	21+20.00	-123.00	552496.2231	1380069.1048
L	21+20.00	-140.00	552512.3914	1380074.3572
L	23+35.00	-112.00	552419.3342	1380270.1871
L	24+52.00	-98.00	552369.8704	1380377.1373
L	24+52.00	-70.00	552343.2404	1380368.4863
L	25+95.00	-102.00	552329.4930	1380514.3767
L	26+88.00	-70.00	552270.3250	1380592.9398
L	26+88.00	-95.00	552294.1018	1380600.6638
L	27+08.00	-70.00	552264.1457	1380611.9612
L	27+08.00	-95.00	552287.9226	1380619.6853
L	27+32.00	71.47	552122.1817	1380591.0747
L	27+44.00	-96.00	552277.7510	1380654.2330
L	27+80.00	113.00	552067.8538	1380623.8983
L	28+62.00	-160.00	552302.1620	1380786.2333
L	28+65.00	-147.00	552288.8712	1380785.0700
L	28+71.00	-161.00	552300.3324	1380795.1020
L	28+73.00	-149.00	552288.3016	1380793.2966
L	28+87.00	100.00	552047.1587	1380729.6797
L	28+87.00	115.00	552032.8926	1380725.0453
L	31+68.00	-149.00	552197.1574	1381073.8634
L	31+68.00	-161.00	552208.5703	1381077.5709
L	31+77.00	-161.00	552205.7896	1381086.1306
L	31+77.00	-149.00	552194.3768	1381082.4230
L	34+94.00	-160.00	552106.8972	1381387.3121
L	34+94.00	-151.00	552098.3375	1381384.5314
L	35+05.00	-150.00	552093.9879	1381394.6842
L	35+05.00	-160.00	552103.4986	1381397.7739
L	35+30.00	115.00	551834.2292	1381336.5858
L	35+30.00	100.00	551848.4953	1381341.2203
L	35+30.00	138.00	551812.3545	1381329.4796
L	35+51.00	-110.00	552041.7326	1381426.0751
L	35+51.00	-126.00	552056.9498	1381431.0185
L	35+70.00	110.00	551826.6260	1381376.1736
L	35+70.00	138.00	551799.9959	1381367.5226
L	35+92.00	-110.00	552029.0651	1381465.0691
L	35+92.00	-126.00	552044.2823	1381470.0126
L	36+99.00	113.00	551783.9165	1381497.9352
L	37+36.00	-110.00	551984.5744	1381602.0238
L	37+42.00	-70.00	551944.6776	1381595.3717
L	37+71.00	65.00	551807.3227	1381581.2428
L	37+81.00	-70.00	551932.6281	1381632.4636
L	37+81.00	-103.00	551964.0135	1381642.6594
L	38+16.00	-97.00	551947.4933	1381674.0932
L	40+13.00	-97.00	551887.5631	1381860.6209
L	40+13.00	-70.00	551861.7929	1381852.5652
L	42+17.00	65.00	551673.6369	1382008.8182
L	42+17.00	90.00	551649.6325	1382001.8333
L	42+26.00	65.00	551671.1103	1382017.5154
L	42+26.00	90.00	551647.0998	1382010.5515

PERMANENT EASEMENT CONTROL SHEET

PERMANENT EASEMENT MARKER IRON PIN & CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
L	43+62.00	-90.61	551783.8671	1382190.5740
L	44+93.00	65.00	551599.6191	1382276.5068
L	45+24.00	96.00	551561.7439	1382298.9244
L	45+27.00	-113.00	551763.3284	1382354.1842
L	45+27.00	-99.32	551750.0862	1382350.7596
L	45+44.00	-98.34	551744.9364	1382366.8194
L	45+44.00	-113.00	551759.1322	1382370.4657
L	45+70.00	147.00	551500.7781	1382331.3339
L	45+80.00	99.00	551544.8355	1382352.8508
L	45+80.00	65.00	551577.7879	1382361.2257
L	45+80.00	125.00	551519.6366	1382346.4465
L	46+00.00	100.00	551538.9399	1382371.9882
L	46+00.00	65.00	551572.8615	1382380.6094
L	46+00.00	125.00	551514.7102	1382365.8302
L	46+10.00	141.00	551496.7400	1382371.5810
L	47+38.00	103.00	551502.0402	1382504.9973
L	47+87.00	81.00	551511.2927	1382557.9066
L	48+03.00	-66.88	551650.6762	1382609.8397
L	48+43.00	-104.00	551676.7986	1382657.7503
L	51+30.00	100.00	551416.2679	1382896.1807
L	51+30.00	78.00	551437.9749	1382899.7593
L	51+80.00	115.00	551393.4650	1382945.2517
L	51+80.00	78.00	551430.0774	1382950.5931
L	52+90.00	78.00	551416.0243	1383062.8875
L	53+09.00	100.00	551392.1644	1383080.2045
L	53+16.00	94.00	551397.4433	1383087.9966
L	53+85.00	-80.00	551565.2016	1383171.1451
L	53+85.00	-118.00	551603.1113	1383173.7629
L	55+28.00	-80.00	551559.3120	1383309.7668
L	55+28.00	-110.00	551589.3082	1383310.2462
L	55+50.00	-103.00	551582.0572	1383331.2935
L	55+50.00	-110.00	551589.0570	1383331.3483
L	55+98.00	60.53	551418.5807	1383379.0883
L	57+84.00	-130.00	551616.9597	1383554.0283
L	57+84.00	-120.00	551606.9907	1383554.8158
L	58+03.00	-70.00	551558.6685	1383577.1982
L	58+03.00	-106.00	551594.5358	1383574.1106
L	58+23.00	-70.00	551560.4112	1383596.6015
L	58+23.00	-106.00	551596.2547	1383593.2483
L	58+25.00	-120.00	551610.3725	1383593.8470
L	58+25.00	-130.00	551620.3284	1383592.9082
L	60+91.00	-111.00	551637.8182	1383847.0407
L	62+40.00	-94.03	551652.5645	1383990.6096
L	62+40.00	-70.00	551629.2636	1383996.5028
L	63+10.00	-125.00	551699.7921	1384047.5228
L	63+50.00	-145.00	551729.8567	1384080.6305
L	63+50.00	-125.00	551710.6007	1384086.0348
L	63+85.00	-145.00	551739.3143	1384114.3285
L	63+85.00	-125.00	551720.0583	1384119.7328
L	64+05.00	-91.24	551692.9625	1384148.1101
L	64+60.00	-70.00	551687.3704	1384206.8046
L	64+60.00	-90.60	551707.2086	1384201.2369
L	70+00.00	-70.00	551833.2686	1384727.0626
L	70+00.00	-89.17	551851.7485	1384721.9695
L	70+20.00	-70.00	551838.6003	1384746.4841
L	70+20.00	-89.53	551857.4340	1384741.3340
L	72+04.00	-90.00	551905.2115	1384920.7304
L	72+04.00	-98.00	551912.9657	1384918.7627
L	72+15.00	-90.00	551907.9356	1384931.4899
L	72+15.00	-98.00	551915.6920	1384929.5307
L	73+58.00	-227.00	552075.3640	1385035.8841
L	73+58.00	-219.00	552067.6144	1385037.8700
L	73+84.83	-227.00	552081.9072	1385061.2759
L	73+84.95	-216.00	552071.2886	1385064.1498
L	73+86.29	-93.00	551952.5534	1385096.2853
L	74+26.66	-93.00	551962.6710	1385134.9861
L	75+43.00	60.00	551845.2117	1385286.9752
L	75+48.00	81.00	551826.3115	1385297.4221
L	75+54.00	60.00	551848.1624	1385297.6406
L	75+58.00	78.00	551831.8946	1385306.3342
L	75+93.00	-93.00	552006.0121	1385294.0427
L	76+20.00	60.00	551865.9995	1385361.3812
L	76+42.00	-70.00	551997.1083	1385347.4348
L	76+42.00	-85.00	552011.5503	1385343.3816
L	76+51.00	167.00	551771.3566	1385420.1410
L	76+57.00	103.00	551834.6971	1385408.6241
L	76+62.00	-85.00	552016.9546	1385362.6376
L	76+62.00	-70.00	552002.5126	1385366.6908
L	76+74.00	-92.00	552026.9368	1385372.2997
L	76+76.38	168.00	551776.4791	1385445.0674
L	76+87.00	-252.00	552184.4975	1385341.5817
L	77+01.27	-251.00	552187.3908	1385355.5913
L	77+37.95	-70.00	552023.0350	1385439.8140
L	77+38.08	-76.00	552028.8465	1385438.3163
L	77+41.59	-240.40	552188.0834	1385397.2795
L	77+41.77	-248.46	552195.8911	1385395.2674
L	77+70.00	-76.00	552037.4726	1385469.0519
L	77+70.00	-70.00	552031.6958	1385470.6732
L	77+77.63	-235.09	552192.7071	1385433.4116
L	77+78.80	-243.00	552200.6424	1385432.3961

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 8/16/2021 TO 9/24/2025.

3	KAY-AUS, LLC DB 4174 PG 906
8	ENTRUST CAROLINAS, LLC DB 4555 PG 688 PB 2 PG 77
10	MEDEA A. SHAMBLIN ALX 5077 PG 2195 PB 1 PG 192
10A	REGINA G. LEEPER, ET VIR DB 5077 PG 2195 PB 2 PG 17
41	TOWN OF CRAMERTON DB 1070 PG 193

I, Matthew T. Cornwell, 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 8/16/2021 to 9/24/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10/8/2025
Signed by:
Matthew Cornwell
Professional Land Surveyor L-4775

-Y- POT		-Y- CURVE DATA		-L- CURVE DATA	
PI Sta 11+26.20	Δ = 7° 48' 10.3" (RT)	PI Sta 12+82.37	Δ = 4° 25' 06.8" (RT)	PI Sta 15+08.71	Δ = 1° 58' 46.2" (LT)
D = 7° 41' 26.6"	L = 101.46'	D = 2° 05' 41.7"	L = 210.92'	PI Sta 16+64.10	Δ = 3° 45' 44.5" (LT)
T = 50.81'	R = 745.00'	T = 105.51'	L = 241.84'	PI Sta 17+59.88	Δ = 4° 50' 33.5" (RT)
SE = 03	DS = 30 MPH	SE = 03	R = 2,735.00'	PI Sta 18+3.84	Δ = 10° 56' 19.7" (LT)
		① -Y- PRC 13+87.77	③ -Y- PRC 16+98.56	PI Sta 16+56.18	Δ = 2° 51' 21.0" (LT)

PROJECT REFERENCE NO.
U-6146B-5857

SHEET NO.
RW04

Location and Surveys

TGS ENGINEERS

804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

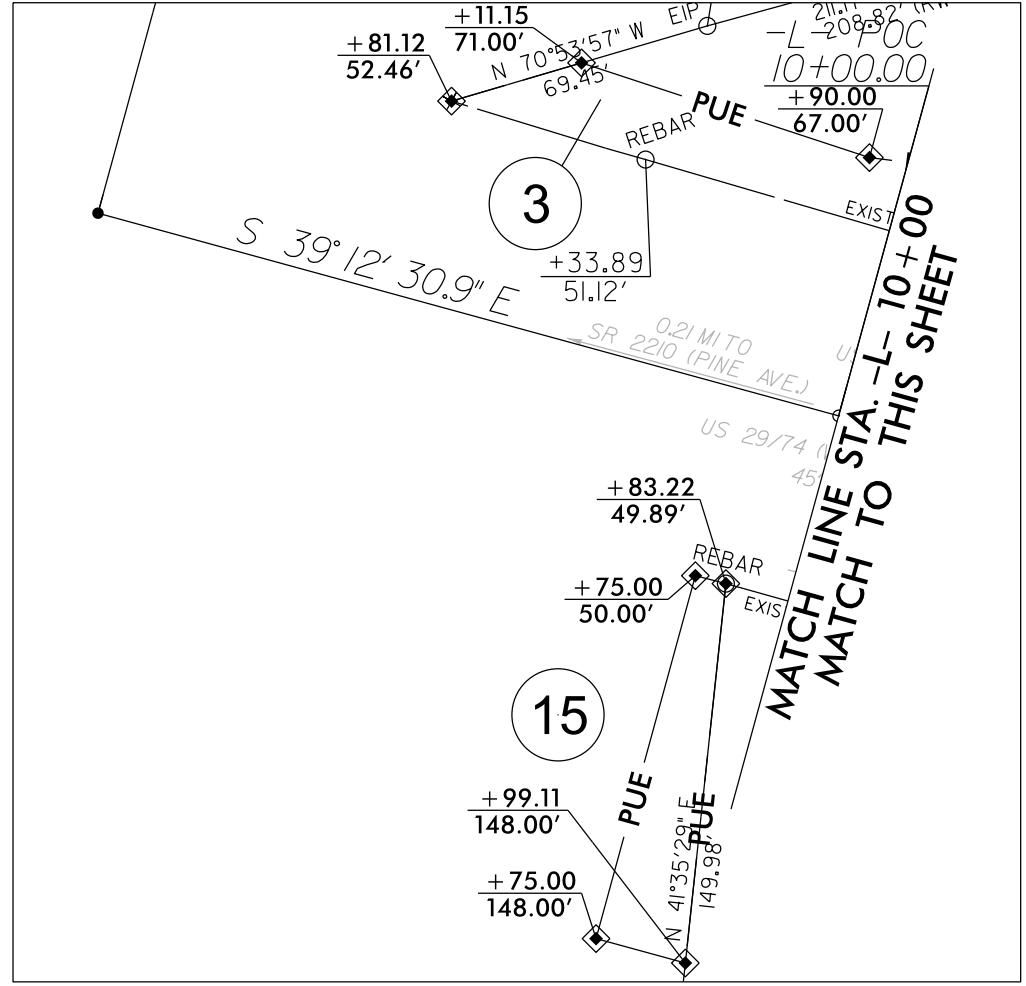
PROJECT SURVEYOR

Signed by:
Matthew Cornwell
EBD30611473E475

10/8/2025

SEAL
L-4775

PROFESSIONAL
LAND SURVEYOR
MATTHEW T. CORNWELL



REVISIONS

MATCH LINE STA. -L- 24+00.00
MATCH TO SHEET NO. RW04

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 8/16/2021 TO 9/24/2025.

-GRWY- CURVE DATA

PI Sta 10+55.37 PI Sta 12+48.92
 $\Delta = 60^\circ 21' 39.7''$ (RT) $\Delta = 30^\circ 33' 56.8''$ (RT)
 $D = 60^\circ 10' 26.3''$ $D = 22^\circ 16' 13.7''$
 $L = 100.31'$ $L = 137.25'$
 $T = 55.37'$ $T = 70.30'$
 $R = 95.22'$ $R = 257.27'$

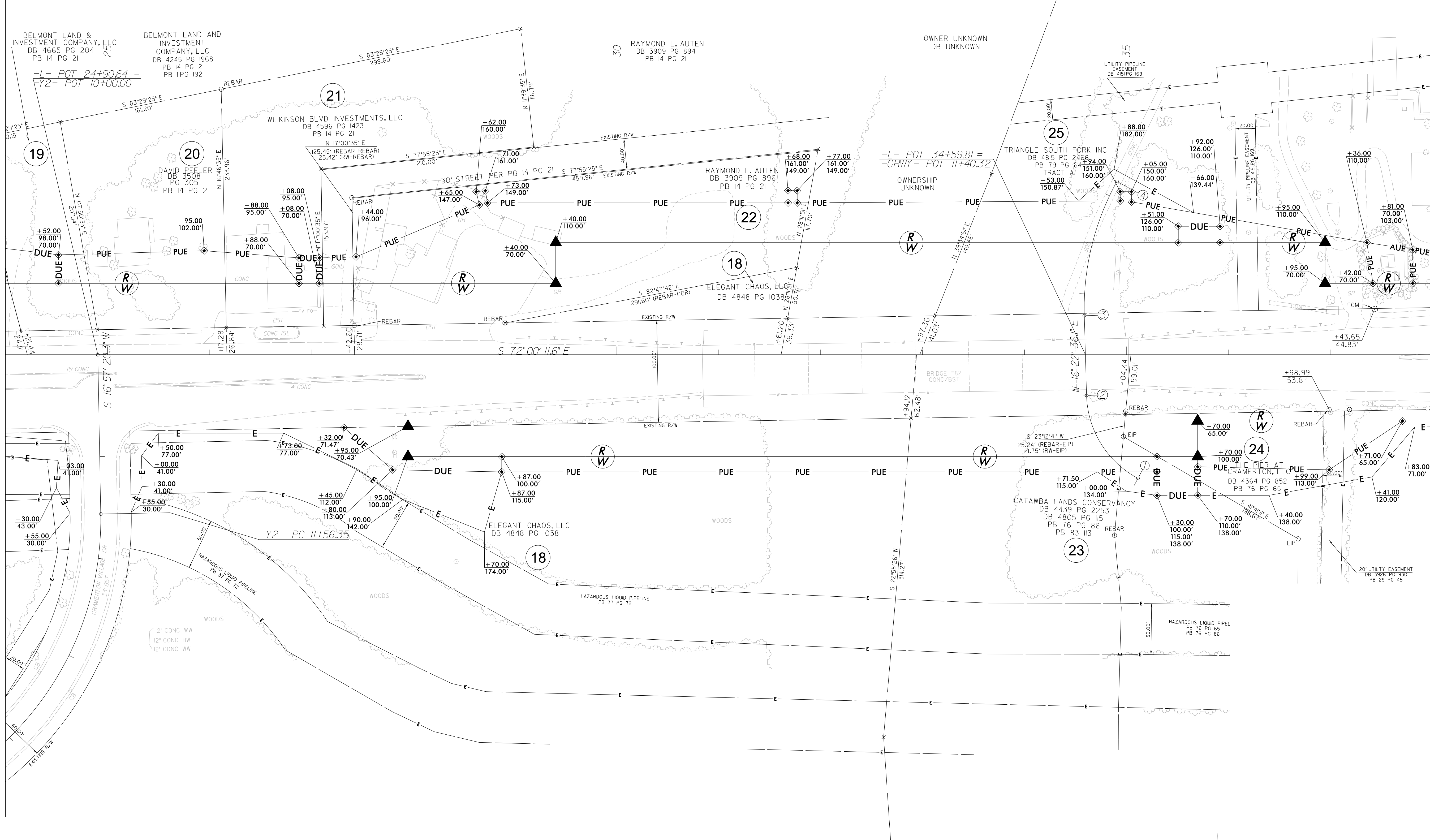
- ①-GRWY- PC 10+00.00
- ②-GRWY- PT 11+00.31
- ③-GRWY- PC 11+78.62
- ④-GRWY- PT 13+15.87

I, Matthew T. Cornwell, 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 8/16/2021 to 9/24/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

10/8/2025

Signed by:
Matthew Cornwell
EB039F11473E475
Professional Land Surveyor L-4775

PROJECT REFERENCE NO.	SHEET NO.
U-6146B-5857	RW05
Location and Surveys	
 TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH. (704) 476-0003 CORP. LICENSE NO.: C-0275	
PROJECT SURVEYOR	
Signed by: Matthew Cornwell EB039F11473E475	
10/8/2025	
	



MATCH LINE STA. -L- 38+00.00
MATCH TO SHEET NO. RW06

$$DS = 50 \text{ MPH}$$

MATCH TO SHEET NO. RW05

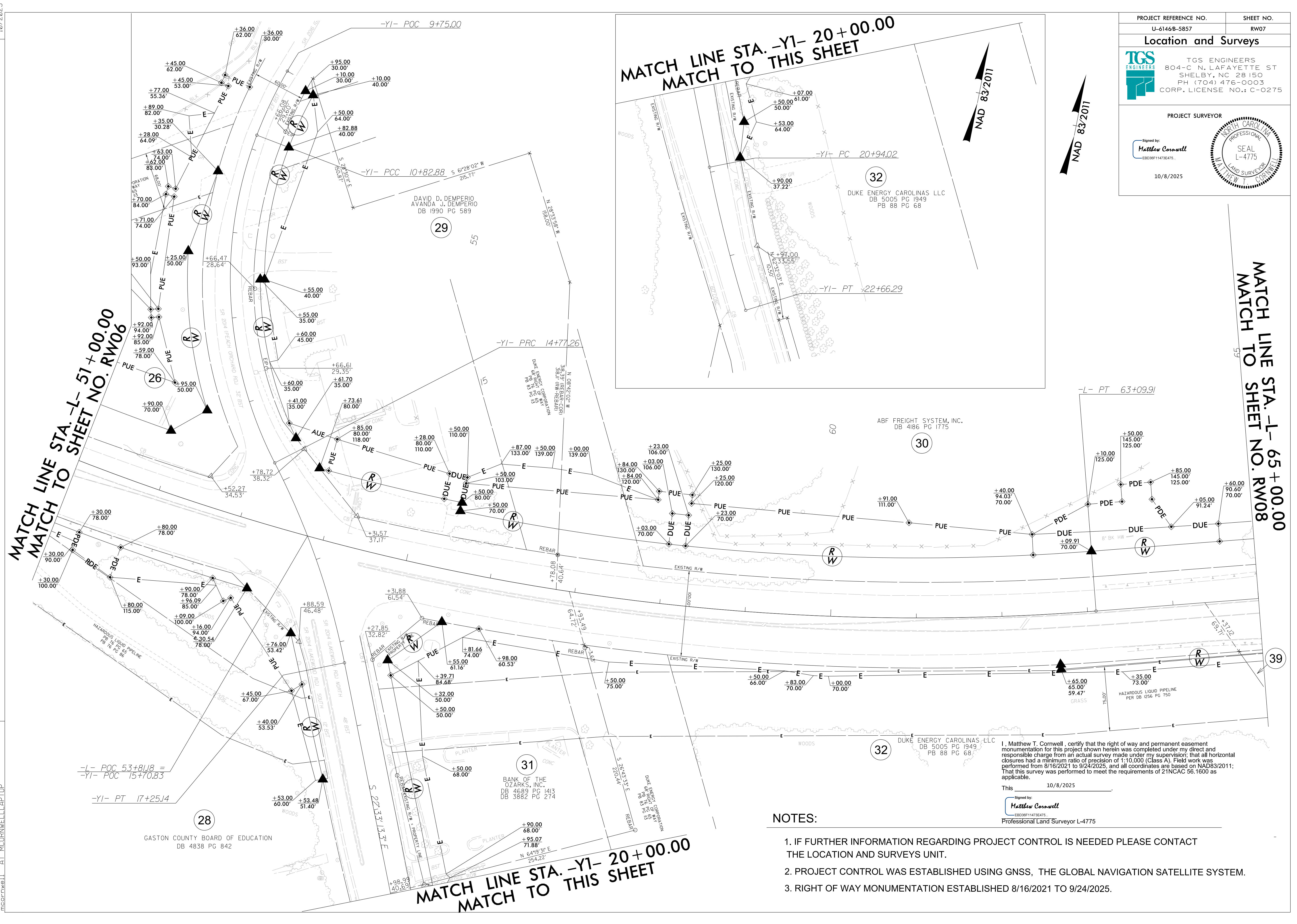
STA. -L-31+00
LINE SHEET NO. RW07
MATCH TO SHEET NO. RW07

Professional Land Surveyor L-4775

NOTES:

- ### 3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/16/2021 TO 9/24/2025.

REVISIONS



MATCH LINE STA. -Y1- 20+00.00
MATCH TO THIS SHEET

MATCH LINE STA. -L- 65+00.00
MATCH TO SHEET NO. RW08

PROJECT REFERENCE NO.		SHEET NO.	
U-6146B-5857		RW07	
Location and Surveys			
			
TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275			
PROJECT SURVEYOR			
Signed by:  EBD39F11473E475.			
10/8/2025			
			

I, Matthew T. Cornwell, 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 8/16/2021 to 9/24/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCA 56.1600 as applicable.

This 10/8/2025
Signed by:

EBD39F11473E475.
Professional Land Surveyor L-4775

NOTES:

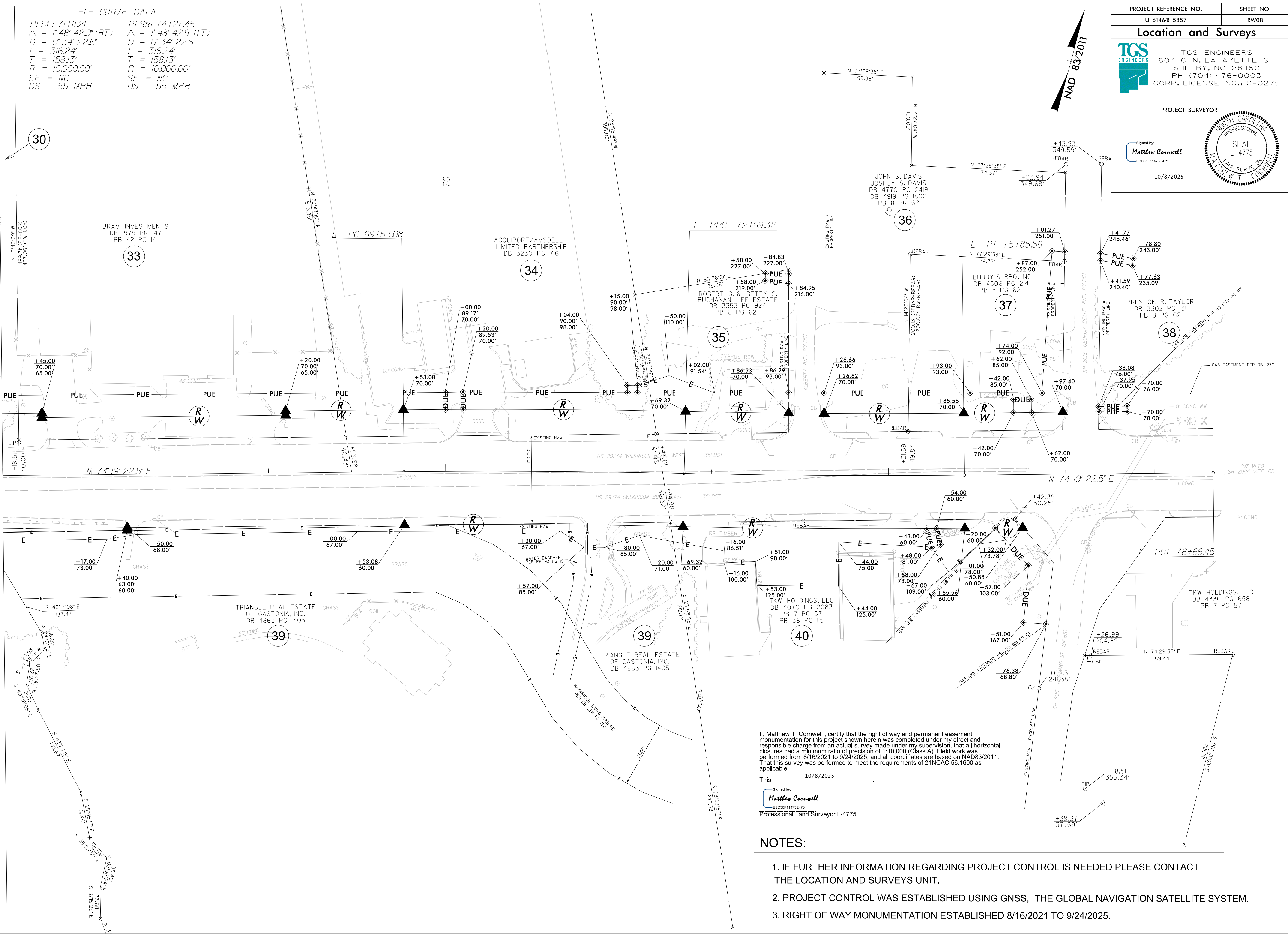
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/16/2021 TO 9/24/2025.

10/2025
08-02
SS:\s\projects\ncdot\11-6146\2025 RW REVISIONS\NTC u6146.1s_r-w08.dgn
moornwell AT MOORNWELL\TOP

REVISIONS

MATCH LINE STA. -L- 65 + 00.00
MATCH TO SHEET NO. RW07

-L- CURVE DATA	
PI Sta 71+11.21	PI Sta 74+27.45
$\Delta = 1^{\circ} 48' 42.9''$ (RT)	$\Delta = 1^{\circ} 48' 42.9''$ (LT)
$D = 0^{\circ} 34' 22.6''$	$D = 0^{\circ} 34' 22.6''$
$L = 316.24'$	$L = 316.24'$
$T = 158.13'$	$T = 158.13'$
$R = 10,000.00'$	$R = 10,000.00'$
SE = NC	SE = NC
DS = 55 MPH	DS = 55 MPH



PROJECT REFERENCE NO.	SHEET NO.
U-6146B-5857	RW08
Location and Surveys	
 TGS ENGINEERS 804-C N. LAFAYETTE ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	
PROJECT SURVEYOR	
Signed by:  EBO309F11473E475	
10/8/2025	
	

I, Matthew T. Cornwell, 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 8/16/2021 to 9/24/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10/8/2025
Signed by: 
EBO309F11473E475
Professional Land Surveyor L-4775

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 8/16/2021 TO 9/24/2025.