

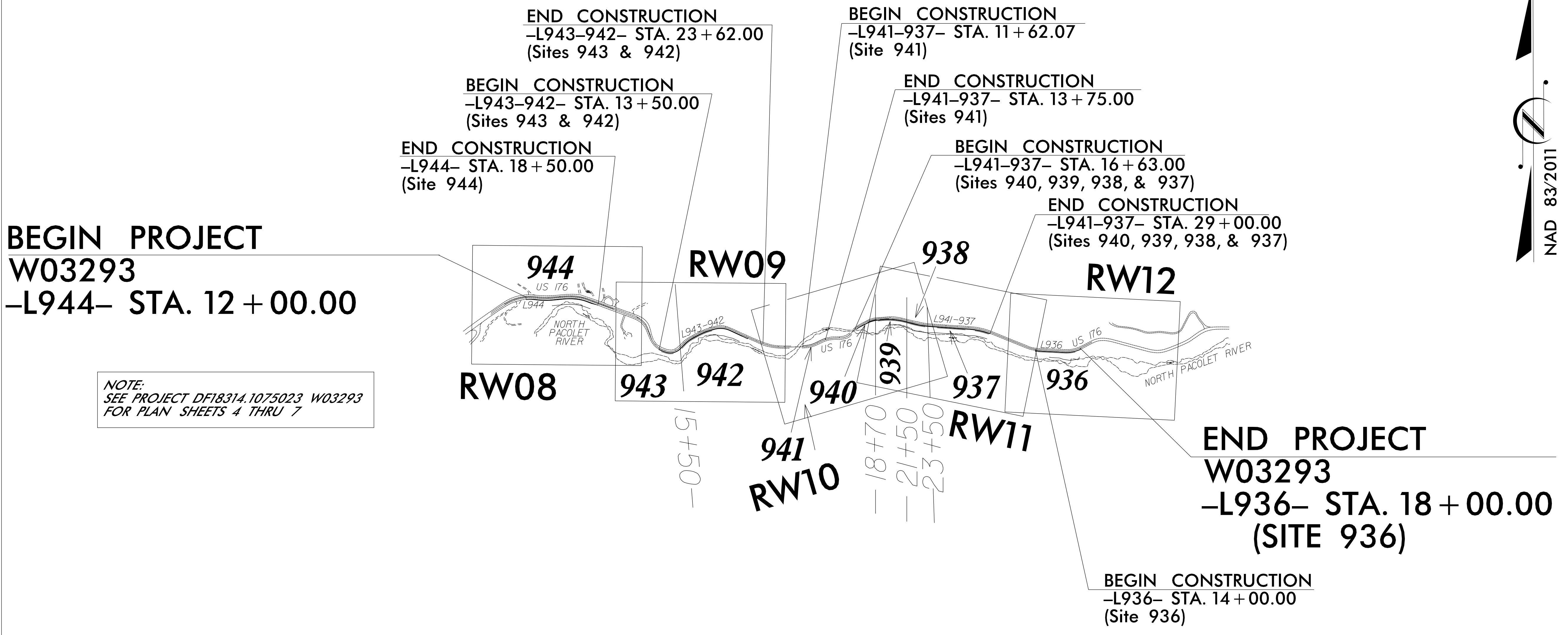
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W03293	RW01	10

PROJECT: W03293

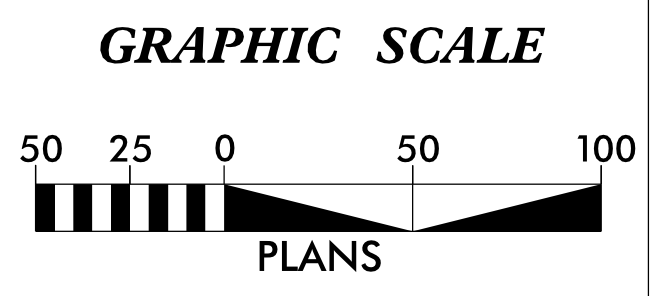
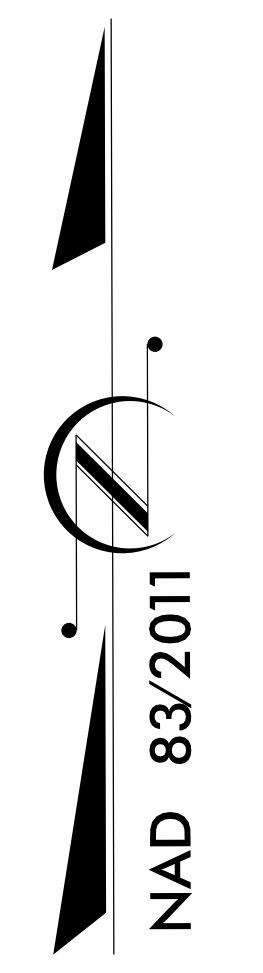
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

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

POLK COUNTY



*NOTE:
 SEE PROJECT DF18314.1075023 W03293
 FOR PLAN SHEETS 4 THRU 7*



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "WSP900 GPS-1" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 552,258.5058(ft) EASTING: 1,012,534.890(ft) ELEVATION: 1,299.30(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99981559

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "WSP900 GPS-1" TO -L944- STATION 10+00.00 IS N 86° 32' 05.56" W 3,093.4755(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

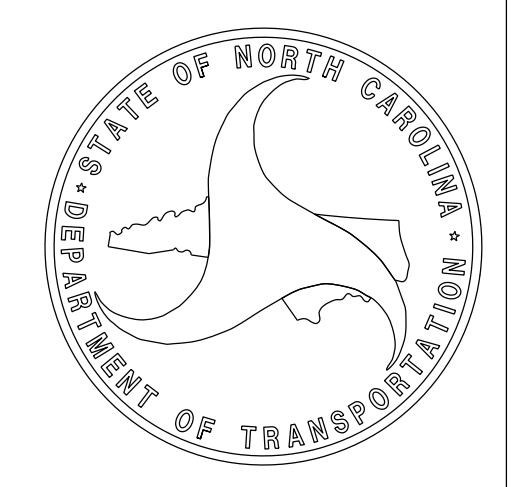
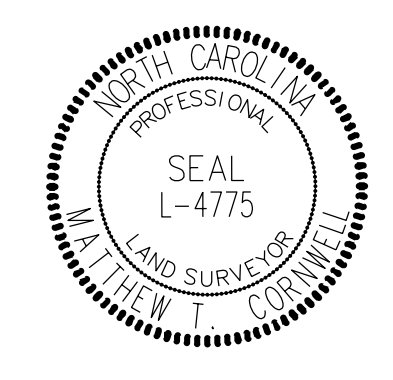
2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
 8/22/2025

LETTING DATE:
 07/21/2026

PROFESSIONAL LAND SURVEYOR

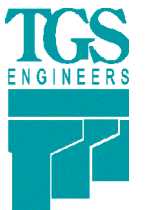


Signed by:
 Matthew Cornwell 9/18/2025
 SEAL L-4775
 SIGNATURE: _____ Date: _____



18-SEP-2025 11:43
 SA:\surveyors\projects\ncdot\W03293 - US176 (Saluda)\US176 900's Site\RW STAKING\MTC\us176_900s_ls_rw01.dgn
 mcornewell AT M CORNWELL AP TOP

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. W03293	SHEET NO. RW02C-1
Location and Surveys	
 TGS ENGINEERS 201 WEST MARION STREET SUITE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	
PROJECT SURVEYOR	
Signed by:  Matthew Cornwell <small>EB036F11473E475</small>	
	
9/18/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




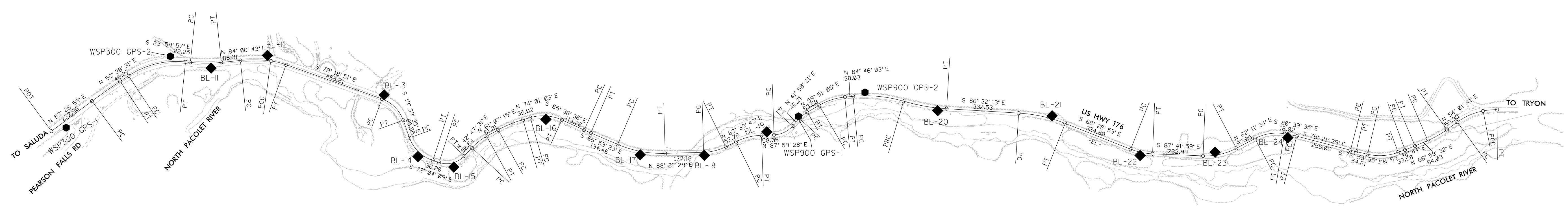
SEE SHEET RW02C-2 FOR FURTHER ALIGNMENT DETAILS

I, Matthew T. Cornwell, PLS, certify that the Project Control was verified 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: 2/13/2025
 Datum/Epoch: NAD83/2011
 Published/Fixed-control use: N/A
 Localized around: WSP900 GPS-1
 Northing: 552258.5058
 Easting: 1012534.8902
 Combined grid factor: 0.99981559
 Geoid model: GEOID18
 Units: US Survey Feet

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from July 2025, 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 9/18/2025
 Signed by:

Matthew Cornwell
 Professional Land Surveyor L-4775



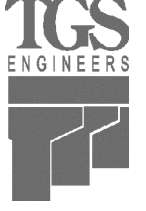


NOTES:

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.

I8-SEP-2025 10:45
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 mcornwell AT MTCORNWELLTAP TOP

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
W03293	RW02C-2
Location and Surveys	
 TGS ENGINEERS 201 WEST MARION STREET SUITE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	
PROJECT SURVEYOR	
	
Signed by:  ERD00611473E475	
9/18/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	552190.255	1009091.667	N 53°26'58.5" E	232.96					
LINE									
PC	552328.987	1009278.808	N 54°57'44.5" E	158.40	03°01'32.0"(RT)	01°54'35.5"	158.42	79.23	3000.00
CURVE									
PT	552419.926	1009408.501	N 56°28'30.5" E	46.27					
LINE									
PC	552445.478	1009447.070	N 76°14'16.6" E	270.50	39°31'32.2"(RT)	14°19'26.2"	275.94	143.72	400.00
CURVE									
PT	552509.828	1009709.806	S 83°59'57.3" E	22.25					
LINE									
PC	552507.502	1009731.930	S 89°56'37.0" E	142.71	11°53'19.4"(LT)	08°18'56.8"	142.97	71.74	689.00
CURVE									
PT	552507.362	1009874.639	N 84°06'43.3" E	88.31					
LINE									
PC	552516.422	1009962.488	S 89°05'21.3" E	140.04	13°35'50.7"(RT)	09°41'13.0"	140.37	70.52	591.47
CURVE									
PCC	552514.196	1010102.509	S 76°18'08.6" E	73.03	11°58'34.7"(RT)	16°22'12.8"	73.16	36.71	350.00
CURVE									
PT	552496.903	1010173.458	S 70°18'51.3" E	468.81					
LINE									
PC	552338.979	1010614.868	S 44°59'13.1" E	139.46	50°39'16.3"(RT)	35°09'02.8"	144.11	77.14	163.00
CURVE									
PT	552240.345	1010713.458	S 19°39'34.9" E	85.55					
LINE									
PC	552159.786	1010742.238	S 45°51'51.8" E	150.14	52°24'33.7"(LT)	33°42'12.2"	155.50	83.67	170.00
CURVE									
PT	552055.237	1010849.991	S 72°04'08.7" E	30.00					
LINE									
PC	552046.001	1010878.532	N 75°21'41.1" E	120.58	65°08'20.4"(LT)	51°09'25.0"	127.33	71.54	112.00
CURVE									
PT	552076.476	1010995.202	N 42°47'30.9" E	50.54					
LINE									
PC	552113.560	1011029.533	N 51°57'23.0" E	86.32	18°19'44.1"(RT)	21°08'32.5"	86.69	43.72	271.00
CURVE									
PT	552166.758	1011097.516	N 61°07'15.0" E	61.21					
LINE									
PC	552196.321	1011151.116	N 67°34'08.9" E	123.54	12°53'47.9"(RT)	10°25'02.7"	123.80	62.16	550.00
CURVE									
PT	552243.459	1011265.306	N 74°01'02.8" E	35.02					
LINE									
PC	552253.101	1011298.969	S 85°47'46.4" E	145.62	40°22'21.5"(RT)	27°09'15.8"	148.68	77.58	211.00
CURVE									
PT	552242.426	1011444.198	S 65°36'35.7" E	113.26					
LINE									
PC	552195.654	1011547.354	S 66°14'59.2" E	33.50	01°16'47.0"(LT)	03°49'11.0"	33.50	16.75	1500.00
CURVE									
PT	552182.161	1011578.019	S 66°53'22.7" E	134.46					
LINE									
PC	552129.383	1011701.692	S 79°15'56.6" E	222.90	24°45'07.9"(LT)	11°01'06.3"	224.64	114.10	520.00
CURVE									
PT	552087.867	1011920.692	N 88°21'29.4" E	177.18					
LINE									
PC	552092.944	1012097.796	N 76°00'06.3" E	105.71	24°42'46.3"(LT)	23°11'48.0"	106.54	54.11	247.00
CURVE									
PT	552118.515	1012200.369	N 63°38'43.1" E	52.78					
LINE									
PC	552141.947	1012247.667	N 75°49'05.5" E	120.61	24°20'44.8"(RT)	20°02'00.6"	121.53	61.69	286.00
CURVE									
PT	552171.497	1012364.604	N 87°59'27.9" E	58.05					
LINE									
PC	552173.532	1012422.618	N 64°54'54.2" E	94.85	46°09'07.3"(LT)	47°21'06.8"	97.47	51.55	121.00
CURVE									
PT	552213.745	1012508.524	N 41°50'20.6" E	46.21					
LINE									
PC	552248.174	1012539.349	N 50°50'42.8" E	46.96	18°00'44.3"(RT)	38°11'49.9"	47.16	23.77	150.00
CURVE									
PT	552277.826	1012575.765	N 59°51'04.9" E	63.58					
LINE									
PC	552309.760	1012630.746	N 72°18'34.1" E	124.26	24°54'58.4"(RT)	19°53'39.7"	125.24	63.63	288.00
CURVE									
PT	552347.519	1012749.128	N 84°46'03.3" E	38.03					
LINE									
PC	552350.988	1012787.003	S 84°27'26.1" E	233.69	21°33'01.3"(RT)	09°10'02.4"	235.08	118.94	625.00
CURVE									
PCC	552328.415	1013019.605	S 80°06'34.3" E	201.50	12°51'17.7"(LT)	06°21'58.3"	201.92	101.39	900.00
CURVE									
PT	552293.804	1013218.112	S 86°32'13.1" E	332.53					
LINE									
PC	552273.718	1013550.040	S 77°30'32.9" E	219.68	18°03'20.5"(RT)	08°11'06.4"	220.59	111.22	700.00
CURVE									
PT	552226.205	1013764.520	S 68°28'52.7" E	324.80					
LINE									
PC	552107.065	1014066.684	S 78°05'25.9" E	102.83	19°13'06.5"(LT)	18°36'09.1"	103.31	52.15	308.00
CURVE									
PT	552085.845	1014167.298	S 87°41'59.2" E	232.99					
LINE									
PC	552076.494	1014400.101	N 77°14'47.5" E	157.39	30°06'26.7"(LT)	18°54'34.2"	159.22	81.49	303.00
CURVE									
PT	552111.239	1014553.611	N 62°11'34.1" E	97.05					
LINE									
PC	552156.514	1014639.455	N 80°45'59.6" E	137.60	37°08'51.1"(RT)	26°31'33.0"	140.04	72.58	216.00
CURVE									
PT	552178.593	1014775.275	S 80°39'34.8" E	16.02					
LINE									
PC	552175.993	1014791.080	S 78°00'36.9" E	41.60	05°17'55.8"(RT)	12°43'56.6"	41.62	20.82	450.00
CURVE									
PT	552167.351	1014831.774	S 75°21'39.0" E	256.06					
LINE									
PC	552102.638	1015079.518	S 76°07'37.1" E	26.74	01°31'56.2"(LT)	05°43'46.5"	26.74	13.37	1000.00
CURVE									
PT	552096.226	1015105.480	S 76°53'35.3" E	54.61					
LINE									
PC	552083.842	1015158.668	N 86°27'34.3" E	140.95	33°17'40.8"(LT)	23°17'27.5"	142.95	73.56	246.00
CURVE									
PT	552092.546	1015299.347	N 69°48'44.0" E	33.58					
LINE									
PC	552104.133	1015330.860	N 68°23'38.0" E	49.50	02°50'11.9"(LT)	05°43'46.5"	49.51	24.76	1000.00
CURVE									
PT	552122.362	1015376.886	N 66°58'32.1" E	64.03					
LINE									
PC	552147.404	1015435.813	N 60°30'06.6" E	101.47	12°56'50.9"(LT)	12°43'56.6"	101.69	51.06	450.00
CURVE									
PT	552197.369	1015524.132	N 54°01'41.2" E	59.30					
LINE									
PC	552232.204	1015572.127	N 66°38'17.4" E	129.68	25°13'12.4"(RT)	19°17'29.4"	130.73	66.44	297.00
CURVE									
PCC	552283.626	1015691.175	N 84°26'22.2" E	64.40	10°22'57.1"(RT)	16°05'57.5"	64.49	32.33	355.89
CURVE									
PT	552289.867	1015755.274							

I, Matthew T. Cornwell, PLS, certify that the Project Control was verified 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: 2/13/2025
 Datum/Epoch: NAD83/2011
 Published/Fixed-control use: N/A
 Localized around: WSP900 GPS-1
 Northing: 552258.5058
 Easting: 1012534.8902
 Combined grid factor: 0.99981559
 Geoid model: GEOID18
 Units: US Survey Feet

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from July 2025, 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 9/18/2025

Signed by:

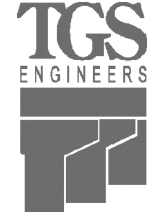
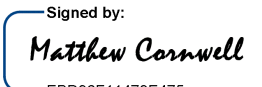

 Professional Land Surveyor L-4775

BASELINE

BL POINT	DESC.	NORTH	EAST	ELEVATION
GPSW1	WSP300 GPS-1	552206.5727	1009159.4030	1454.45
GPSW2	WSP300 GPS-2	552535.2225	1009639.3052	1442.67
11	BL-11	552481.1043	1009827.5941	1439.17
12	BL-12	552539.7091	1010087.0369	1436.89
13	BL-13	552357.6798	1010625.2234	1428.13
14	BL-14	552073.1462	1010781.0128	1406.93
15	BL-15	552024.7127	1010946.0197	1396.28
16	BL-16	552244.4527	1011370.7101	1367.10
17	BL-17	552081.4078	1011805.5035	1336.78
18	BL-18	552079.0065	1012101.0416	1322.54
19	BL-19	552187.0009	1012388.8318	1305.33
GPSE1	WSP900 GPS-1	552258.5058	1012534.8902	1299.30
GPSE2	WSP900 GPS-2	552369.2602	1012841.8045	1292.45
20	BL-20	552284.8965	1013176.7501	1269.86
21	BL-21	552261.1236	1013704.1341	1239.28
22	BL-22	552078.1329	1014109.6378	1217.42
23	BL-23	552093.2831	1014455.4424	1198.74
24	BL-24	552160.4033	1014790.9172	1185.13

NOTES:

PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
W03293	RW03E-1
Location and Surveys	
 TGS ENGINEERS 201 WEST MARION STREET SUITE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	
PROJECT SURVEYOR	
Signed by:  EBD38F11473E475	
	
11/20/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
L944	12+50.00	50.00	552461.7415	1009681.9442
L944	13+47.00	77.00	552427.1715	1009778.0114
L944	14+55.00	90.00	552419.2574	1009897.6473
L944	15+73.00	90.00	552429.3379	1010008.5512
L944	17+33.00	90.00	552414.5643	1010136.1151
L944	18+08.00	90.00	552390.2657	1010204.3465
L944	18+40.00	50.00	552417.1483	1010247.9507

NOT SET - FALLS IN RIVER
 NOT SET - FALLS IN RIVER
 BRIDGE SPIKE SET IN TREE ROOT
 NOT SET - FALLS IN RIVER

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
L943-942	13+50.00	30.00	552043.3898	1010802.9982
L943-942	13+75.00	50.00	552012.0816	1010822.2242
L943-942	14+80.00	60.00	551986.6130	1010958.2363
L943-942	17+62.00	80.00	552134.6642	1011205.6865
L943-942	18+70.00	85.00	552163.1979	1011293.7844
L943-942	20+00.00	100.00	552159.1264	1011378.7081
L943-942	21+42.00	90.00	552121.8129	1011492.2650
L943-942	22+30.00	91.00	552084.7979	1011574.3240
L943-942	22+40.00	-30.00	552192.1626	1011631.0144
L943-942	22+40.00	-40.00	552201.3602	1011634.9394
L943-942	22+70.00	-40.00	552189.5850	1011662.5320
L943-942	22+70.00	-30.00	552180.3875	1011658.6069
L943-942	23+62.00	30.00	552089.3470	1011721.7879

MAGNAIL IN ROCK
 NOT SET - FALLS IN RIVER
 MAGNAIL IN ROCK
 NOT SET - FALLS IN RIVER
 MAGNAIL IN ROCK
 MAGNAIL IN ROCK

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
L941-937	11+70.00	-30.00	552122.7256	1012089.7632
L941-937	12+00.00	-64.00	552158.1815	1012112.8190
L941-937	13+04.00	-72.00	552192.0371	1012186.5852
L941-937	13+70.00	-30.00	552183.2835	1012268.4050
L941-937	16+66.00	30.00	552231.8177	1012565.1120
L941-937	18+40.00	93.00	552247.8626	1012720.5992
L941-937	19+42.00	70.00	552281.8982	1012800.6753
L941-937	21+00.00	80.00	552265.3004	1012938.7054
L941-937	22+72.00	101.00	552205.6211	1013102.9463
L941-937	28+00.00	90.00	552173.0077	1013628.0980
L941-937	29+23.89	90.00	552142.4778	1013731.5075

NOT SET - FALLS IN ROCK UNDER WATER
 NOT SET - FALLS IN CREEK
 MAGNAIL IN ROCK
 NOT SET - FALLS IN RIVER
 MAGNAIL IN ROCK
 MAGNAIL IN ROCK
 NOT SET - FALLS IN RIVER
 NOT SET - FALLS IN RIVER

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
L936	11+55.00	100.00	552076.3200	1013872.0356
L936	13+00.00	97.00	552025.9242	1014008.0293
L936	14+53.00	80.00	552004.9108	1014188.9526
L936	17+00.00	112.00	551965.8636	1014448.8255
L936	18+00.00	30.00	552074.9542	1014547.5147
L936	18+00.00	120.00	551992.7122	1014584.0694

NOT SET - FALLS IN RIVER
 NOT SET - FALLS IN RIVER
 NOT SET - FALLS IN RIVER

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 8/25/2025 to 11/20/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 11/20/2025
 Signed by:

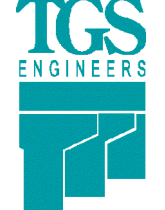


 EBD38F11473E475
 Professional Land Surveyor L-4775

REVISIONS

20 NOV 2025 15:53
 C:\S:\projects\ncdot\W03293 - US176 (Saluda)\US176 900's Ste\RW STAKING\MTC\us176_900s_ls_rw03e-1.dgn
 MTCORNWELL
 A:\MTCORNWELL\TOP

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 8/25/2025 TO 11/20/2025.

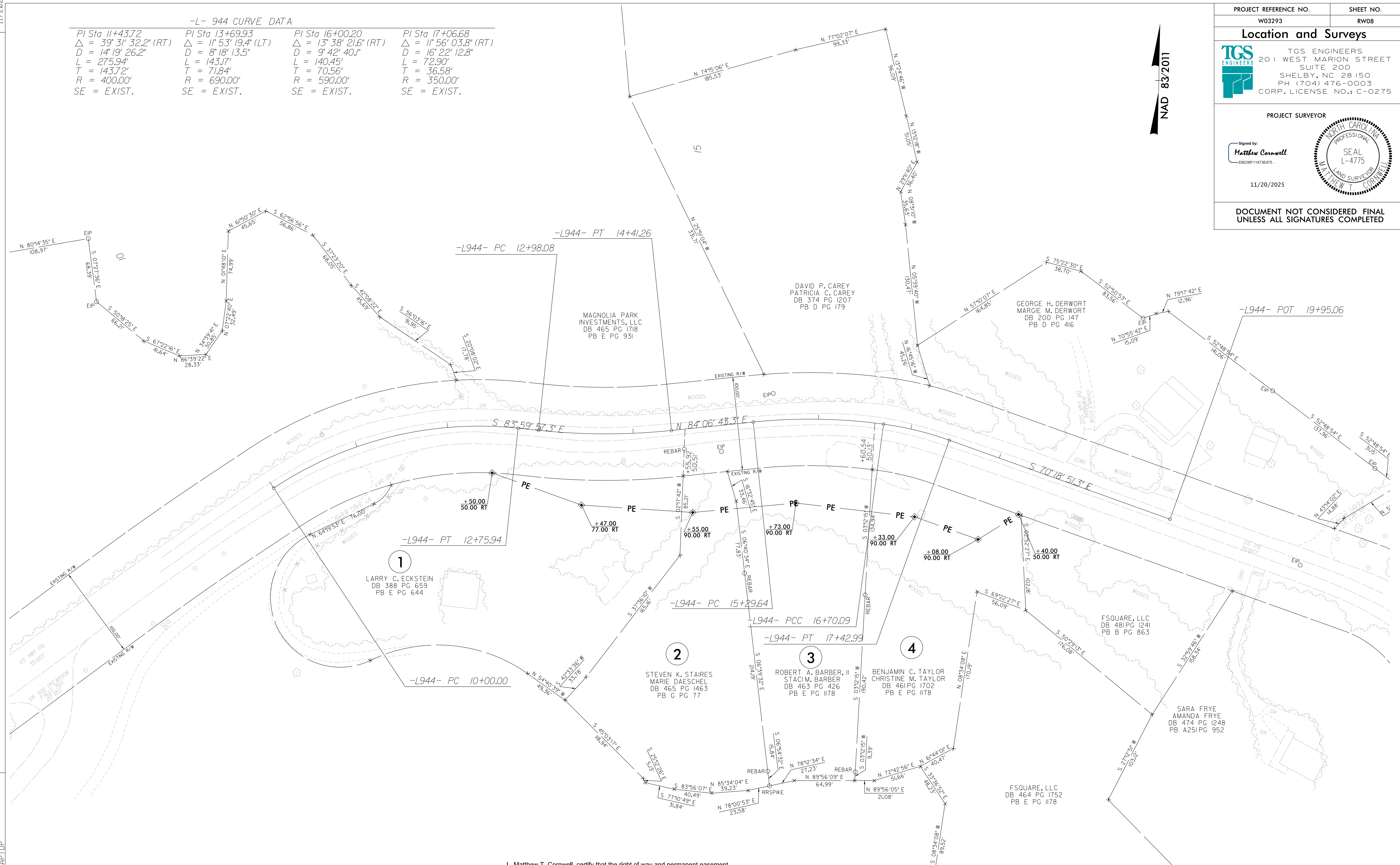
PROJECT REFERENCE NO. W03293	SHEET NO. RW08
Location and Surveys	
 TGS ENGINEERS 201 WEST MARION STREET SUITE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	
PROJECT SURVEYOR	
Signed by:  Matthew Cornwell EBD036F11473E475	
 SEAL L-4775 PROFESSIONAL LAND SURVEYOR MATTHEW T. CORNWELL	
11/20/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L- 944 CURVE DATA


PI Sta 11+43.72 Δ = 39° 31' 32.2" (RT) D = 14' 19" 26.2" L = 275.94' T = 143.72' R = 400.00' SE = EXIST.	PI Sta 13+69.93 Δ = 11° 53' 19.4" (LT) D = 8' 18" 13.5" L = 143.17' T = 71.84' R = 690.00' SE = EXIST.	PI Sta 16+00.20 Δ = 13° 38' 21.6" (RT) D = 9' 42' 40.1" L = 140.45' T = 70.56' R = 590.00' SE = EXIST.	PI Sta 17+06.68 Δ = 11° 56' 03.8" (RT) D = 16' 22' 12.8" L = 72.90' T = 36.58' R = 350.00' SE = EXIST.
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NAD 83/2011

REVISIONS



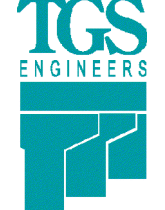


I, Matthew T. Cornwell, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/25/2025 to 11/20/2025, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 58.1600 as applicable.

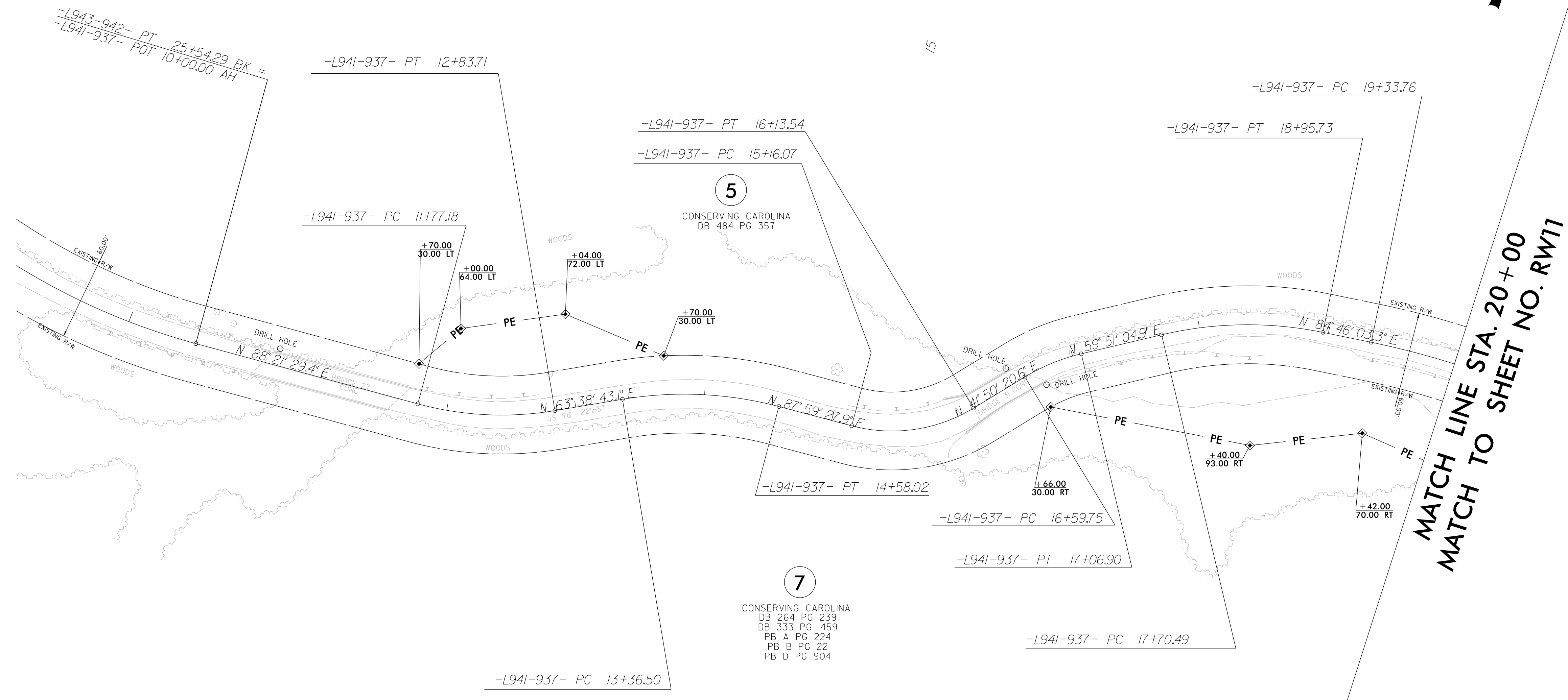
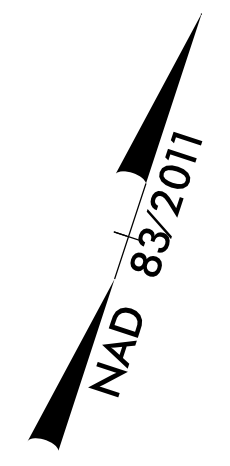
This 11/20/2025
 Signed by:

Matthew Cornwell
 EBD036F11473E475
 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 8/25/2025 TO 11/20/2025.

11/20/2025 15:54
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 A:\MORNINGWELL\TOP

PROJECT REFERENCE NO.	SHEET NO.
W03293	RW10
Location and Surveys	
 TGS ENGINEERS 201 WEST MARION STREET SUITE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	
PROJECT SURVEYOR	
Signed by:  Matthew Cornwell <small>EB029F11473E475</small>	
 9/18/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



MATCH LINE STA. 20+00
MATCH TO SHEET NO. RW11

REVISIONS

18 SEP 2025 08:53
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 Matthew Cornwell

-L943-942- CURVE DATA

PI Sta 24+43.75	$\Delta = 24^\circ 45' 07.9"$ (LT)	D = 11' 01" 06.3"	L = 224.64'	T = 114.10'	R = 520.00'
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-L941-937- CURVE DATA

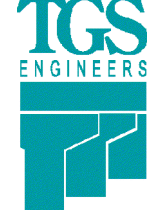


PI Sta 12+31.29	$\Delta = 24^\circ 42' 46.3"$ (LT)	D = 23' 11" 48.0"	L = 106.54'	T = 54.11'	R = 247.00'	SE = EXIST.
PI Sta 13+98.19	$\Delta = 24^\circ 20' 44.8"$ (RT)	D = 20' 02" 00.6"	L = 121.53'	T = 61.69'	R = 286.00'	
PI Sta 15+67.62	$\Delta = 46^\circ 09' 07.3"$ (LT)	D = 47' 21" 06.8"	L = 97.47'	T = 51.55'	R = 121.00'	
PI Sta 16+83.52	$\Delta = 18^\circ 00' 44.3"$ (RT)	D = 38' 11" 49.9"	L = 47.16'	T = 23.77'	R = 150.00'	SE = EXIST.
PI Sta 18+34.11	$\Delta = 24^\circ 54' 58.4"$ (RT)	D = 19' 53' 39.7"	L = 125.24'	T = 63.63'	R = 288.00'	SE = EXIST.
PI Sta 20+52.71	$\Delta = 21^\circ 33' 01.3"$ (RT)	D = 9' 10' 02.4"	L = 235.08'	T = 118.94'	R = 625.00'	SE = EXIST.

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 8/25/2025 TO 9/17/2025.

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 8/25/2025 to 9/17/2025, and all coordinates are based on NAD83/2011; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 9/18/2025
 Signed by:

 Matthew Cornwell
EB029F11473E475
 Professional Land Surveyor L-4775

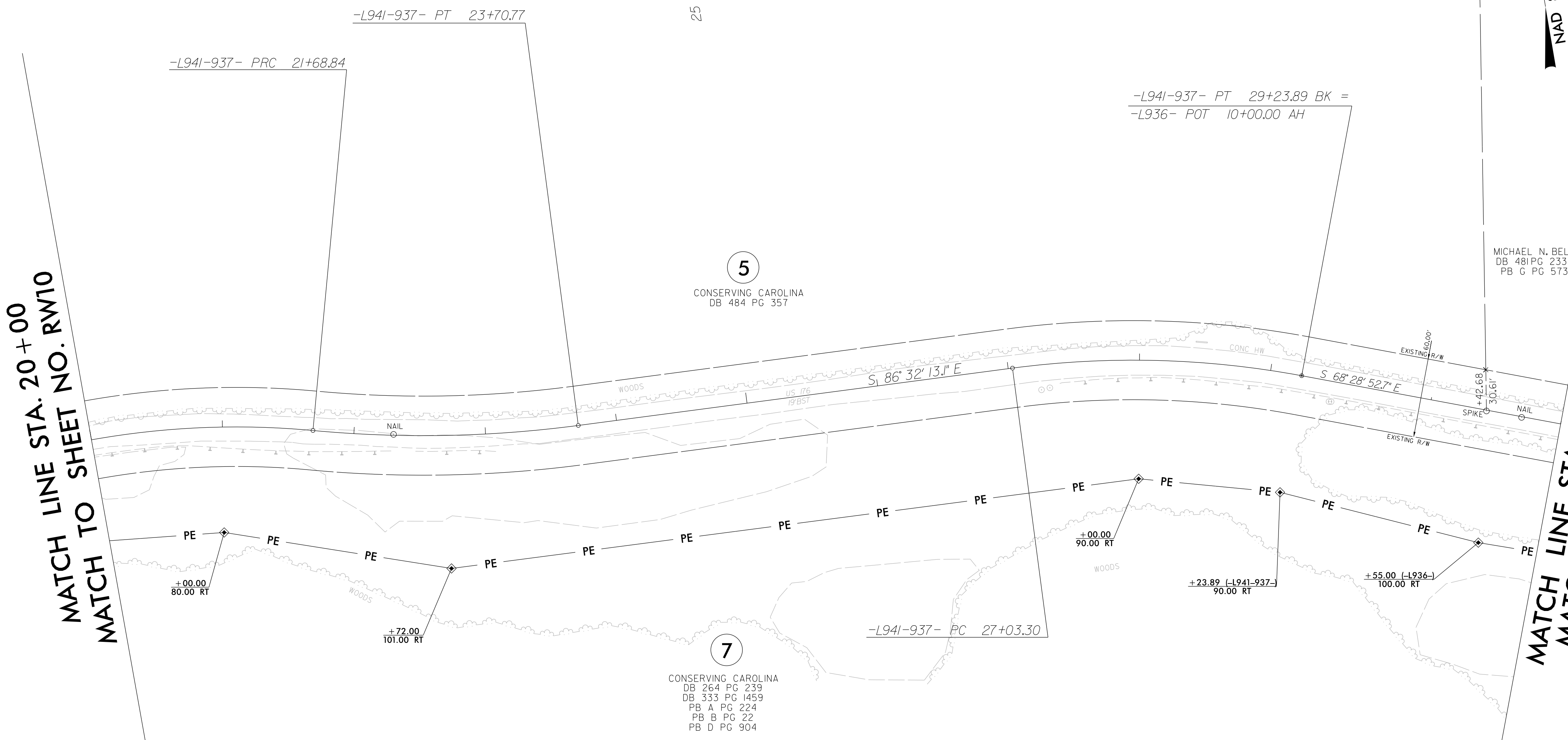
PROJECT REFERENCE NO. W03293	SHEET NO. RW11
Location and Surveys	
 TGS ENGINEERS 201 WEST MARION STREET SUITE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	
PROJECT SURVEYOR	
Signed by:  EBO35F11473E475	
	
9/18/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

REVISIONS

18-SEP-2025 08:44
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 MTCORNWELL\TOP

MATCH LINE STA. 20+00
 MATCH TO SHEET NO. RW10

MATCH LINE STA. 12+00 -L936-
 MATCH TO SHEET NO. RW12




5
 CONSERVING CAROLINA
 DB 484 PG 357

7
 CONSERVING CAROLINA
 DB 264 PG 239
 DB 333 PG 1459
 PB A PG 224
 PB B PG 22
 PB D PG 904

MICHAEL N. BELL
 DB 481 PG 2334
 PB 6 PG 573

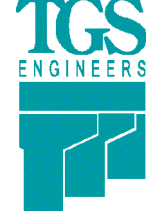


I, Matthew T. Cornwell, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/25/2025 to 9/17/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

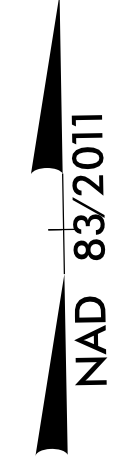
This 9/18/2025
 Signed by:

 EBO35F11473E475
 Professional Land Surveyor L-4775

PI Sta 20+52.71 Δ = 21° 33' 01.3" (RT) D = 9' 10" 02.4" L = 235.08' T = 118.94' R = 625.00' SE = EXIST.	PI Sta 22+70.23 Δ = 12° 51' 17.7" (LT) D = 6' 21' 58.3" L = 201.92' T = 101.39' R = 900.00' SE = EXIST.	PI Sta 28+14.52 Δ = 18° 03' 20.5" (RT) D = 8' 11' 06.4" L = 220.59' T = 111.22' R = 700.00' SE = EXIST.
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NOTES:

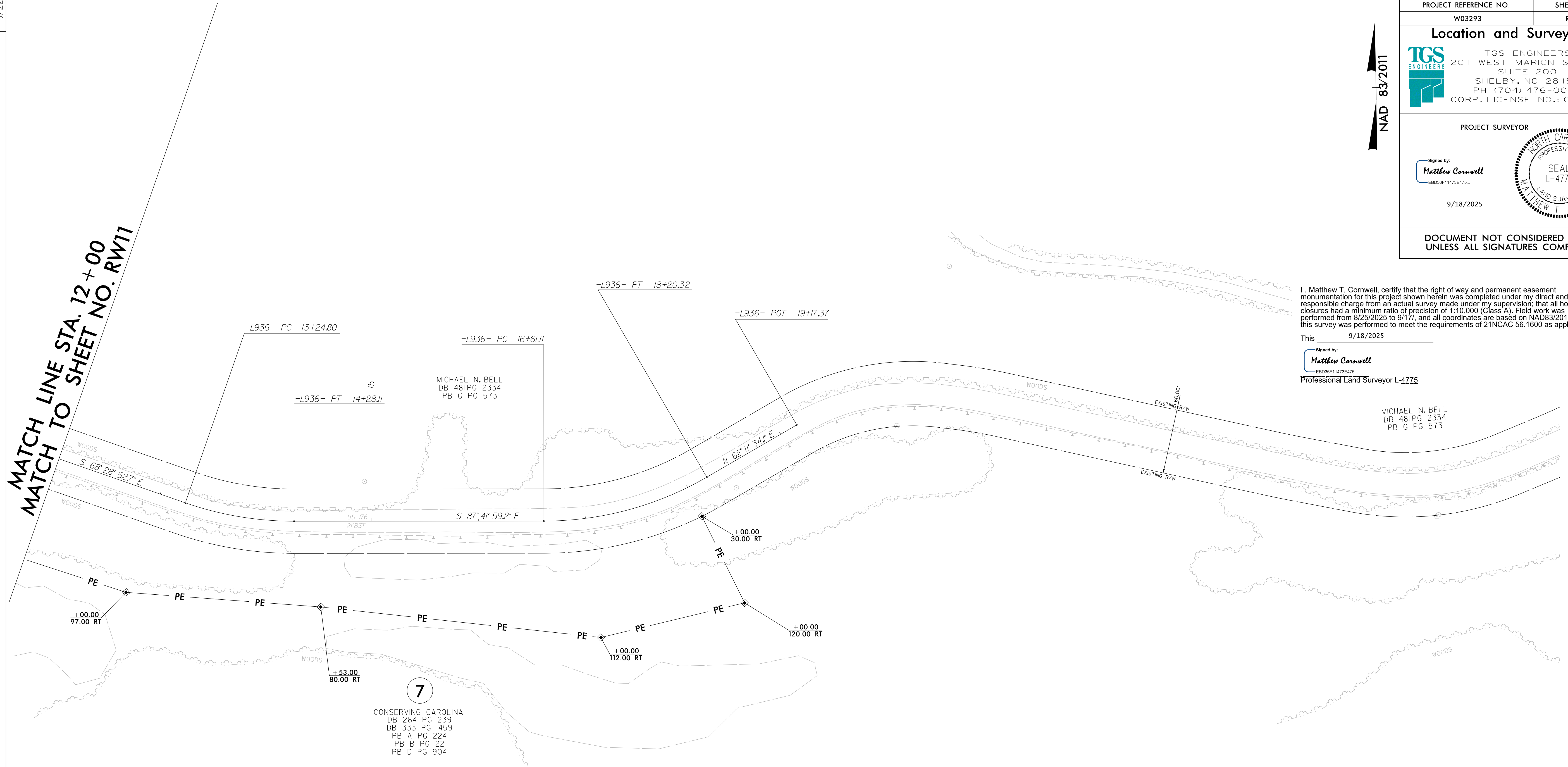
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/25/2025 TO 9/17/2025.

PROJECT REFERENCE NO.	SHEET NO.
W03293	RW12
Location and Surveys	
 TGS ENGINEERS 201 WEST MARION STREET SUITE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	
PROJECT SURVEYOR	
Signed by:  EBD36F11473E475	
9/18/2025	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	




MATCH LINE STA. 12+00
MATCH TO SHEET NO. RW11

REVISIONS



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 8/25/2025 to 9/17/25, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 9/18/2025
 Signed by:

 EBD36F11473E475
 Professional Land Surveyor L-4775

MICHAEL N. BELL
 DB 481 PG 2334
 PB G PG 573

7
 CONSERVING CAROLINA
 DB 264 PG 239
 DB 333 PG 1459
 PB A PG 224
 PB B PG 22
 PB D PG 904

-L936- CURVE DATA

PI Sta 13+76.95	PI Sta 17+42.60
$\Delta = 19^{\circ} 13' 06.5''$ (LT)	$\Delta = 30^{\circ} 06' 26.7''$ (LT)
D = 18' 36' 09.1"	D = 18' 54' 34.2"
L = 103.31'	L = 159.22'
T = 52.15'	T = 81.49'
R = 308.00'	R = 303.00'
SE = EXIST.	SE = EXIST.

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 8/25/2025 TO 9/17/2025.

18 SEP 2025 08:54
 S:\Surveys\2025\W03293 - US176 (Saluda)\US176 900's Ste\RW STAKING\MTC\us176_900s_ls_rw12.dgn
 MTCORWELL\TOP