

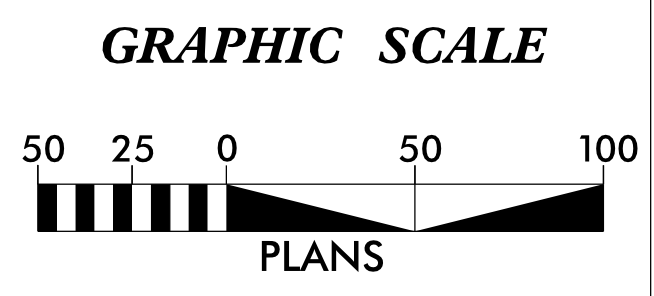
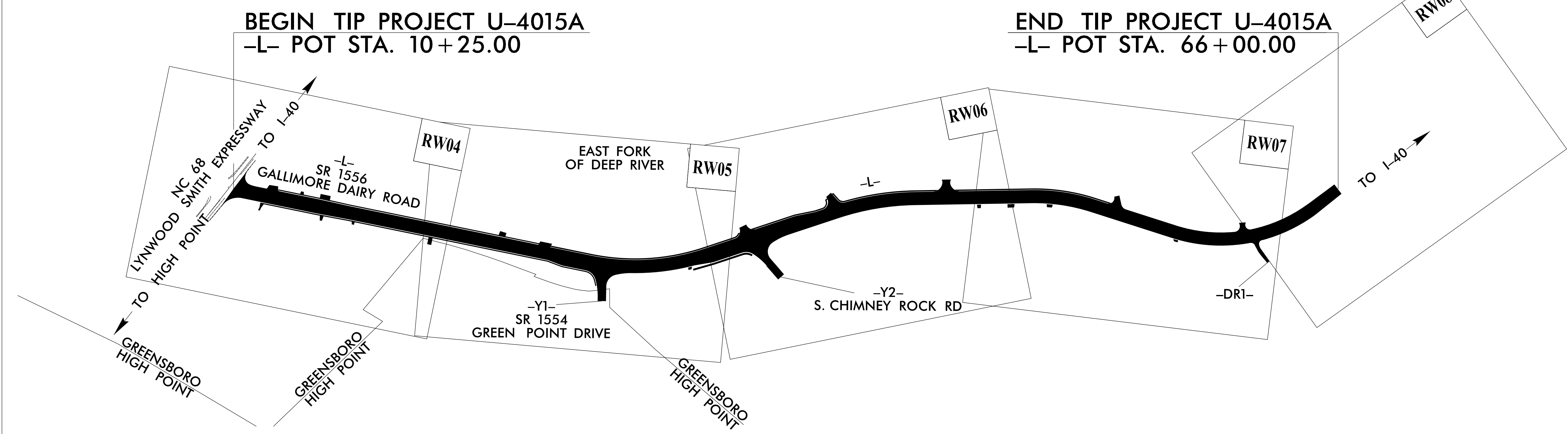
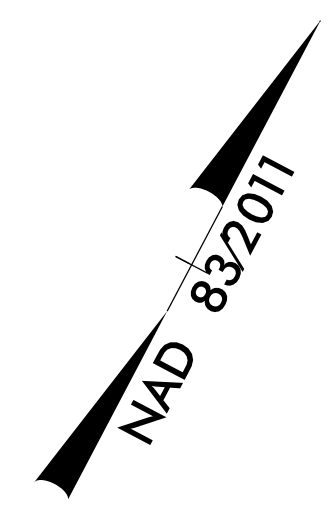
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4015A	RW01	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

GUILFORD COUNTY

TIP PROJECT: U-4015A



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "HAWTHORNE RESET" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 851,336.2999(ft) EASTING: 1,722,541.1400(ft)
ELEVATION: 890.880(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9999392937

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "HAWTHORNE RESET" TO -L- STATION 10+25 IS
S 40-20'16.5" W 9,881.55(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

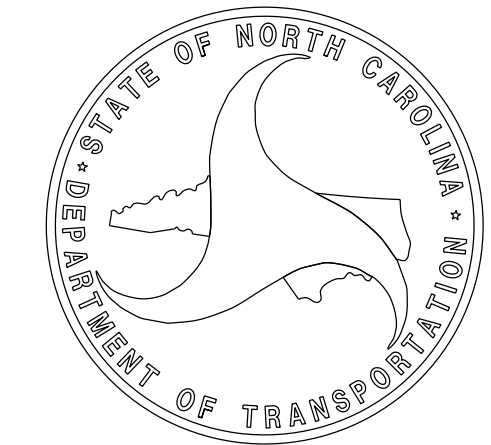
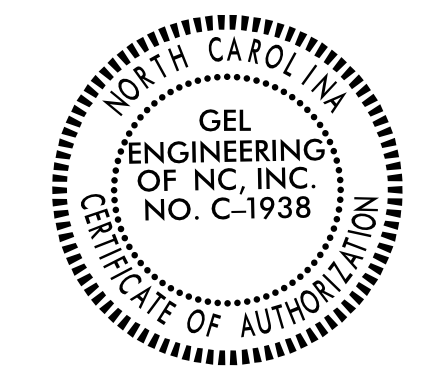
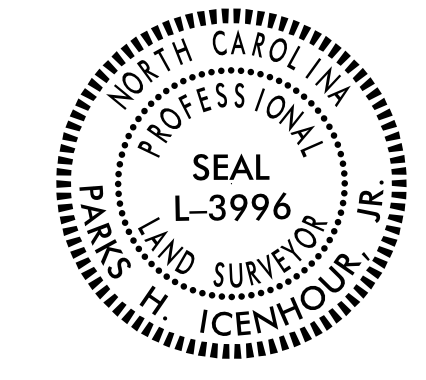
GEL SOLUTIONS
an Affiliate of THE GEL GROUP, INC.
111 CREEK RIDGE ROAD
SUITE C
GREENSBORO, NC 27406
(336) 516-9840
WWW.GEL-SOLUTIONS.COM

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
05/21/2021

LETTING DATE:
12/17/2024

PROFESSIONAL LAND SURVEYOR



SIGNATURE: _____ Date: _____

25-OCT-2024 07:47
C:\U4015A\Drawings\Revised 4-23\U4015a_Is_rw01_230518_edited.dgn
Andy.Smith AT ANDYSMITH

09/08/99

PROJECT REFERENCE NO.	SHEET NO.
U-4015A	RW02C-1
Location and Surveys	
ALLIED ASSOCIATES, P. A.	

SURVEY CONTROL SHEET

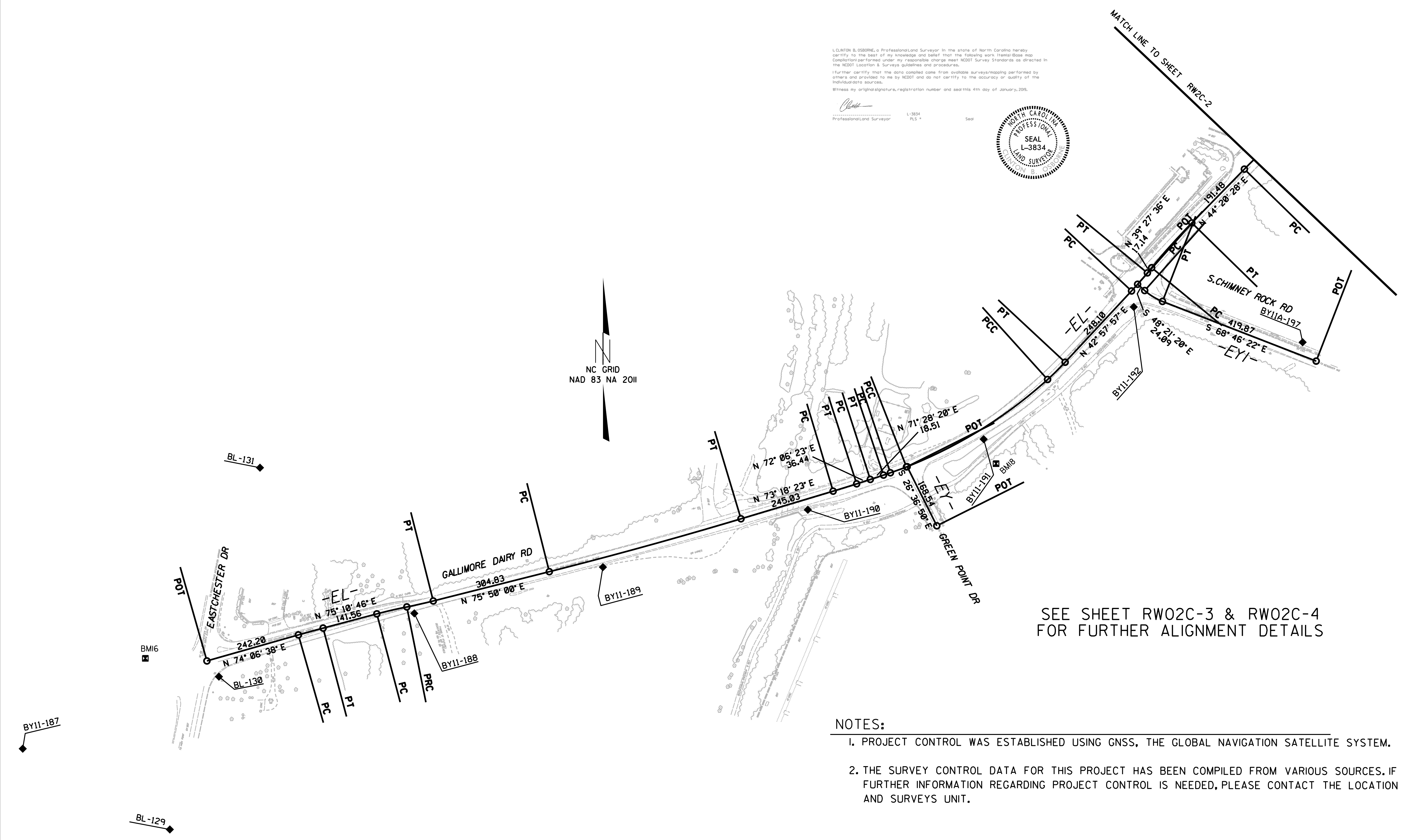
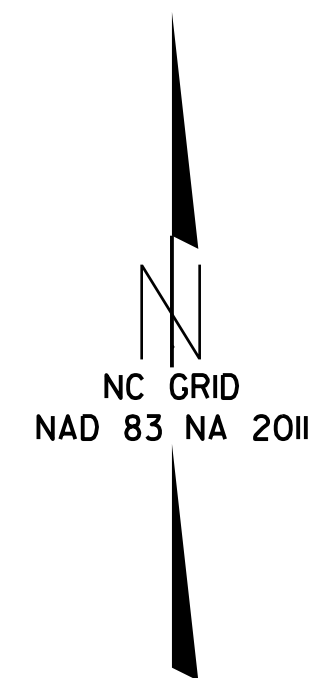
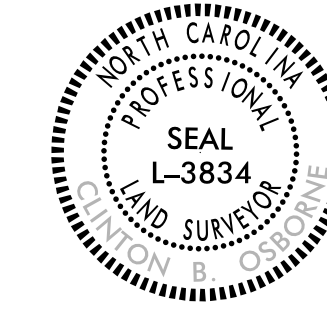
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

L. CLINTON B. OSBORN, a Professional Land Surveyor in the State of North Carolina hereby certifies to the best of my knowledge and belief that the foregoing work herein is a true and correct copy of the original as shown to me by the client and that the same conform to the NC001 Location & Surveys guidelines and procedures.

I further certify that the data compiled hereon were obtained from available surveys/measurements performed by others and provided to me by the client and do not certify to the accuracy or quality of the individual data sources.

Witness my original signature, registration number and seal this 4th day of January, 2019.

[Signature]
 L-3834
 Professional Land Surveyor PLS *



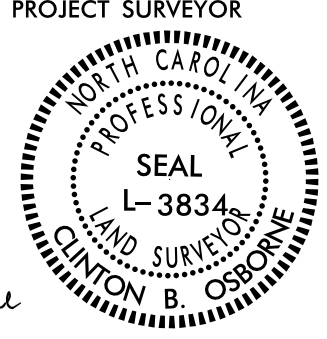
SEE SHEET RW02C-3 & RW02C-4 FOR FURTHER ALIGNMENT DETAILS

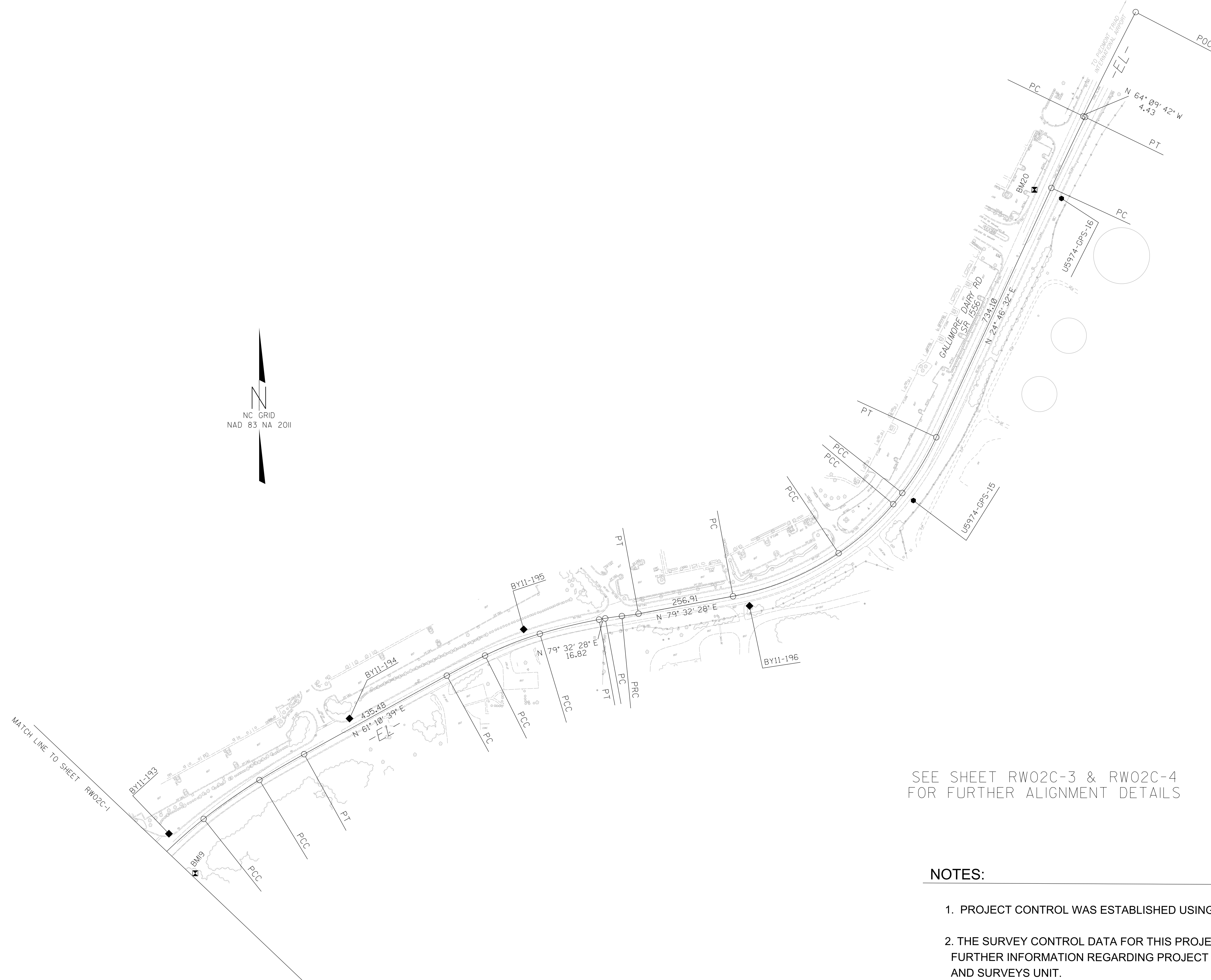
NOTES:

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.

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-4015A	RW02C-2
Location and Surveys	
ALLIED ASSOCIATES, P.A. 4720 KESTER MILL ROAD WINSTON-SALEM, NC 27103 C-2198	
PROJECT SURVEYOR  CLINTON B. OSBORNE	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



I, Clinton B. Osborne, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work (Items) (Base map Compilation) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further 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.

Witness my original signature, registration number and seal this 8th day of July, 2020.

DocuSigned by:
Clinton Osborne
L-3834
Professional Land Surveyor

L-3834
PLS * Seal

SEE SHEET RW02C-3 & RW02C-4 FOR FURTHER ALIGNMENT DETAILS


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.

I4-JAN-2021 12:31
 X:\Projects\2020\413\TRANSMIT\4015a_1s.rw02c-2-200708.dgn
 Owner AT OWNER-PC

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-4015A	SHEET NO. RW02C-4
Location and Surveys	
ALLIED ASSOCIATES, P.A. 4720 KESTER MILL ROAD WINSTON-SALEM, NC 27103 C-2198	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	843811.349	1716136.189							
LINE			N 74°06'37.6" E	242.20					
PC	843877.660	1716369.137							
CURVE			N 74°38'41.7" E	65.30	01°04'08.2"(RT)	01°38'13.3"	65.30	32.65	3500.00
PT	843894.951	1716432.103							
LINE			N 75°10'45.9" E	141.56					
PC	843931.161	1716568.953							
CURVE			N 76°56'32.7" E	78.45	03°31'33.7"(RT)	04°29'37.6"	78.46	39.24	1275.00
PCC	843948.885	1716645.376							
CURVE			N 77°16'09.8" E	68.95	02°52'19.5"(LT)	04°09'54.5"	68.96	34.48	1375.60
PT	843964.079	1716712.629							
LINE			N 75°50'00.1" E	304.83					
PC	844038.685	1717008.191							
CURVE			N 74°34'11.3" E	506.43	02°31'37.6"(LT)	00°29'56.3"	506.47	253.28	11482.92
PT	844173.427	1717496.365							
LINE			N 73°18'22.5" E	245.03					
PC	844243.812	1717731.064							
CURVE			N 72°42'22.8" E	62.82	01°11'59.4"(LT)	01°54'35.5"	62.82	31.41	3000.00
PT	844262.487	1717791.046							
LINE			N 72°06'23.1" E	36.44					
PC	844273.684	1717825.725							
CURVE			N 71°47'21.4" E	35.42	00°38'03.4"(LT)	01°47'25.8"	35.42	17.71	3200.00
PT	844284.755	1717859.376							
LINE			N 71°28'19.7" E	18.51					
PC	844290.637	1717876.927							
CURVE			N 70°00'06.7" E	43.62	02°56'25.9"(LT)	06°44'26.4"	43.62	21.82	850.00
PCC	844305.554	1717917.916							
CURVE			N 58°13'14.7" E	422.81	20°37'18.1"(LT)	04°51'03.8"	425.10	214.87	1181.10
PCC	844528.225	1718277.337							
CURVE			N 45°26'16.4" E	62.71	04°56'38.4"(LT)	07°52'52.1"	62.73	31.39	727.00
PT	844572.229	1718322.020							
LINE			N 42°57'57.2" E	248.10					
PC	844753.780	1718491.117							
CURVE			N 41°12'46.8" E	61.18	03°30'20.7"(LT)	05°43'46.5"	61.19	30.60	1000.00
PT	844799.802	1718531.424							
LINE			N 39°27'36.5" E	17.14					
PC	844813.039	1718542.320							
CURVE			N 41°54'02.1" E	153.29	04°52'51.3"(RT)	03°10'59.2"	153.34	76.72	1800.00
PT	844927.135	1718644.695							
LINE			N 44°20'27.8" E	191.48					
PC	845064.080	1718778.526							
CURVE			N 47°55'51.5" E	165.72	07°10'47.5"(RT)	04°19'47.2"	165.83	83.02	1323.30
PCC	845175.115	1718901.544							
CURVE			N 55°06'49.0" E	181.72	07°11'07.4"(RT)	03°57'05.2"	181.84	91.04	1450.00
PCC	845279.052	1719050.610							
CURVE			N 59°56'30.6" E	138.00	02°28'15.8"(RT)	01°47'25.8"	138.01	69.02	3200.00
PT	845348.173	1719170.051							
LINE			N 61°10'38.5" E	435.48					
PC	845558.116	1719551.579							
CURVE			N 62°16'46.0" E	115.40	02°12'15.0"(RT)	01°54'35.5"	115.41	57.71	3000.00
PCC	845611.796	1719653.736							
CURVE			N 68°20'57.7" E	157.61	09°56'08.6"(RT)	06°17'46.5"	157.80	79.10	910.00
PCC	845669.945	1719800.223							
CURVE			N 76°25'44.8" E	162.86	06°13'25.6"(RT)	03°49'11.0"	162.94	81.55	1500.00
PT	845708.159	1719958.534							
LINE			N 79°32'27.6" E	16.82					
PC	845711.212	1719975.072							
CURVE			N 82°02'27.6" E	44.93	05°00'00.0"(RT)	11°07'31.4"	44.94	22.49	515.00
PCC	845717.433	1720019.567							
CURVE			N 82°02'27.6" E	44.93	05°00'00.0"(LT)	11°07'31.4"	44.94	22.49	515.00
PT	845723.654	1720064.063							
LINE			N 79°32'27.6" E	256.91					
PC	845770.291	1720316.706							
CURVE			N 67°49'08.8" E	304.74	23°26'37.6"(LT)	07°38'22.0"	306.88	155.62	750.00
PCC	845885.341	1720598.896							
CURVE			N 48°01'57.5" E	196.40	16°07'44.9"(LT)	08°11'06.4"	197.05	99.18	700.00
PCC	846016.679	1720744.928							
CURVE			N 39°03'03.2" E	38.42	01°50'03.8"(LT)	04°46'28.7"	38.42	19.21	1200.00
PCC	846046.513	1720769.132							
CURVE			N 31°27'16.9" E	174.46	13°21'28.8"(LT)	07°38'22.0"	174.86	87.83	750.00
PT	846195.337	1720860.169							
LINE			N 24°46'32.5" E	734.10					
PC	846861.868	1721167.806							
CURVE			N 25°18'25.5" E	209.57	01°03'46.0"(RT)	00°30'25.7"	209.57	104.79	11298.04
PT	847051.322	1721257.389							
LINE			N 64°09'41.5" W	4.43					
PC	847053.252	1721253.403							
CURVE			N 26°37'42.5" E	311.67	01°34'48.0"(RT)	00°30'25.0"	311.68	155.85	11302.47
POC	847331.863	1721393.095							

I, LEWIS L. MOORE, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Completion) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further 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.

Witness my original signature, registration number and seal this 8th day of July, 2020.

DocuSigned by:

 L-4570
 Professional Land Surveyor

PLS #

Seal

REVISIONS

7-08-2020 EDITED THE EL ALIGNMENT AND EXTENDED

EY POINT	N	E	BEARING	DIST
POT	844306.235	1717919.643		
LINE			S 26°36'50.4" E	168.54
POT	844155.554	1717995.145		




EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	844770.835	1718506.639							
LINE			S 48°21'19.5" E	24.09					
PC	844754.824	1718524.644							
CURVE			S 58°33'51.0" E	53.17	20°25'02.9"(LT)	38°11'49.9"	53.45	27.01	150.00
PT	844727.094	1718570.010							
LINE			S 68°46'22.4" E	419.87					
POT	844575.075	1718961.389							

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.

\$\$\$
 C:\Users\jmoore\Documents\2020\Projects\U-4015A\Drawings\2020\02\02-01\02-01-01.dwg
 7/8/2020 10:00:00 AM
 L-4570
 Lewis Moore
 Professional Land Surveyor

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-4015A	RW03E-1
Location and Surveys	
 GEL SOLUTIONS <i>an Affiliate of THE GEL GROUP, INC.</i> 111 CREEK RIDGE ROAD SUITE C GREENSBORO, NC 27406 (336) 516-9840 WWW.GEL-SOLUTIONS.COM	
PROJECT SURVEYOR	
 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER REBAR AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	11+06.06	45.00	843783.6698	1716235.2827
L	12+75.04	-45.00	843917.3641	1716372.3279
L	13+72.79	-45.00	843944.7184	1716466.1682
L	15+81.01	58.50	843903.6241	1716695.0316
L	15+81.54	45.00	843916.7328	1716691.7618
L	15+83.56	-45.00	844003.7028	1716668.5172
L	16+88.91	58.34	843933.9716	1716798.5760
L	24+74.54	-45.00	844253.0448	1717523.8968
L	31+68.42	60.00	844410.6253	1718214.1404
L	35+38.29	60.00	844670.0136	1718492.5389
L	35+86.27	-44.44	844776.9945	1718450.5304
L	36+45.00	-45.00	844819.7113	1718490.8396
L	37+27.29	45.00	844816.6276	1718612.7495
L	39+80.00	-45.00	845061.1506	1718723.0724
L	40+10.00	-85.00	845110.5014	1718715.0408
L	40+51.11	45.00	845050.0120	1718837.2346
L	40+65.00	-109.00	845167.5736	1718736.7499
L	41+15.00	-45.90	845159.5549	1718818.7718
L	41+40.72	-45.00	845176.9465	1718838.9554
L	44+38.86	45.00	845276.5553	1719133.1636
L	44+38.86	-45.00	845355.4554	1719089.8650
L	44+80.00	-45.00	845375.2472	1719125.9302
L	45+40.00	-66.00	845422.5230	1719168.4273
L	46+50.00	-66.00	845475.4435	1719264.8608
L	47+10.00	-45.00	845485.8992	1719327.5639
L	50+07.82	45.00	845550.2811	1719631.9555
L	50+07.82	-45.00	845629.1812	1719588.6569
L	52+47.33	-45.00	845720.5477	1719821.7625
L	53+12.69	45.00	845646.2149	1719904.4356
L	55+33.48	45.00	845684.6871	1720121.8467

EXIST CONC MON DISTURBED

PK NAIL

12" SPIKE IN TREE ROOT

PERMANENT EASEMENT REBAR AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	25+72.00	155.00	844088.3103	1717673.4327
L	25+72.00	127.54	844114.6748	1717665.7475
L	25+82.00	145.00	844100.7093	1717680.2346
L	25+82.00	155.00	844091.1089	1717683.0331
L	26+27.00	136.80	844121.1775	1717721.1410
L	26+57.67	-87.50	844345.0955	1717687.8150
L	27+00.00	-78.15	844347.9647	1717731.0711
L	27+00.00	-44.28	844315.4487	1717740.5495
L	27+55.00	-44.65	844331.1958	1717793.2483
L	27+55.00	-66.00	844351.6927	1717787.2735
L	28+92.88	-67.50	844393.4088	1717912.9511
L	28+99.18	-75.00	844402.5236	1717915.7530
L	29+06.00	-45.12	844377.0533	1717932.6558
L	29+10.00	-49.00	844382.0741	1717934.7805
L	29+42.77	-148.90	844485.7463	1717923.8642
L	29+57.30	-137.99	844480.8785	1717939.8401
L	29+80.00	-151.64	844501.5495	1717951.9932
L	30+13.00	-116.50	844482.8755	1717993.5307
L	30+67.98	85.70	844331.2923	1718137.8171
L	30+82.00	-62.00	844465.8805	1718075.3656
L	31+60.00	95.50	844376.3810	1718227.1319
L	32+31.00	-65.00	844548.0445	1718189.1184
L	32+65.00	60.00	844472.9666	1718294.6420
L	33+00.00	68.00	844491.3318	1718327.7824
L	33+77.19	-65.00	844640.5602	1718290.7696
L	35+05.00	-43.26	844717.6040	1718395.0423
L	35+05.00	-65.00	844732.6760	1718379.3728
L	35+05.00	-70.00	844736.1421	1718375.7693
L	35+08.00	101.00	844619.7616	1718501.0911
L	35+26.50	-68.83	844750.8269	1718391.5165
L	35+41.00	-89.00	844775.2593	1718387.0321
L	35+53.58	70.00	844674.1049	1718510.3493
L	35+71.00	-85.11	844794.1811	1718410.6356
L	35+71.00	-69.78	844783.5580	1718421.6799
L	36+28.00	-71.00	844825.4832	1718460.3161
L	36+45.00	-55.00	844826.6437	1718483.6325
L	37+67.00	76.50	844823.4108	1718662.9007
L	38+40.00	66.00	844883.3019	1718706.0192
L	38+40.00	44.64	844898.1073	1718690.6268
L	39+07.00	80.00	844921.8845	1718762.5558
L	39+07.00	75.50	844925.0040	1718759.3125
L	39+15.00	84.50	844924.5306	1718771.3448
L	39+40.00	-65.50	845046.5333	1718680.5685
L	39+40.00	-45.00	845032.3221	1718695.3431
L	39+50.00	45.00	844977.1383	1718767.1397
L	39+50.00	64.38	844963.7018	1718781.1089
L	39+80.00	-65.50	845075.3619	1718708.2978
L	39+85.00	-73.00	845084.1647	1718706.3586
L	39+96.13	-66.50	845087.6766	1718718.7554
L	40+10.00	45.00	845020.3812	1718808.7337
L	40+10.00	63.50	845007.5564	1718822.0669
L	41+04.09	-59.00	845161.2422	1718801.5131
L	42+05.00	-60.00	845231.9239	1718879.9417
L	42+07.00	-70.50	845241.3911	1718874.9376
L	42+14.00	-60.00	845237.8563	1718887.2615
L	42+15.00	-69.00	845245.5286	1718882.4406
L	42+95.00	-45.00	845276.6333	1718963.6093
L	42+95.00	-60.00	845288.8910	1718954.9636
L	43+33.00	-61.50	845312.5852	1718986.9797
L	43+34.00	-72.00	845321.9241	1718982.0661
L	43+42.00	-62.00	845318.1819	1718994.5909
L	43+43.00	-72.00	845327.1362	1718990.0161
L	44+90.00	-48.50	845383.1265	1719133.0131
L	44+90.00	-59.00	845392.3315	1719127.9616
L	45+03.00	-60.00	845399.4624	1719138.8771
L	45+06.00	-70.00	845409.6724	1719136.6962
L	45+14.00	-68.00	845411.7678	1719144.6717
L	45+15.00	-57.25	845402.8248	1719150.7202
L	46+74.00	45.00	845389.6797	1719339.3024
L	47+22.00	76.50	845385.1572	1719396.5370
L	47+25.00	67.50	845394.4905	1719394.8372
L	47+31.00	79.50	845386.8571	1719405.8703
L	47+34.00	69.50	845397.0670	1719403.6894
L	48+46.00	-65.00	845568.8616	1719437.1688
L	48+46.00	-45.00	845551.3283	1719446.7907
L	48+56.00	-45.00	845556.1392	1719455.5574
L	48+56.00	-65.00	845573.6726	1719445.9355
L	48+70.00	65.00	845466.4411	1719520.7513
L	48+70.00	45.00	845483.9744	1719511.1294
L	48+90.00	65.00	845476.0630	1719538.2847

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

MARK ON HAND HOLE

MAGNAIL

MAGNAIL

MAGNAIL

I, Parks H Icenhour Jr, 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 07/06/2021 to 05/04/2023, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 18th day of May, 2023.

Professional Land Surveyor L-3996

PERMANENT EASEMENT REBAR AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	48+90.00	45.00	845493.5963	1719528.6627
L	51+75.00	80.00	845580.7639	1719788.6392
L	51+75.00	74.50	845585.9800	1719786.8949
L	51+75.00	45.00	845613.9571	1719777.5389
L	52+00.00	45.00	845621.2002	1719800.2032
L	52+00.00	80.00	845587.7216	1719810.4101
L	52+00.00	72.00	845595.3738	1719808.0771
L	52+45.00	73.00	845605.5524	1719848.3211
L	52+45.77	66.00	845612.5135	1719847.2971
L	52+48.00	45.00	845633.3934	1719844.2256
L	52+53.00	75.00	845605.3866	1719855.9515
L	52+56.00	-45.31	845723.0153	1719830.5130
L	52+56.00	64.50	845616.2449	1719856.1787
L	52+59.00	-54.50	845732.6861	1719831.4540
L	52+59.00	-51.00	845731.6574	1719842.5363
L	52+72.50	-74.50	845755.4060	1719841.0510
L	52+80.00	-73.50	845756.1495	1719849.1734
L	52+80.00	-61.00	845743.9246	1719851.7814
L	53+24.00	180.00	845515.2505	1719939.0936
L	53+25.00	66.00	845627.6807	1719920.2139
L	53+51.50	180.00	845520.0424	1719966.1729
L	53+56.00	66.00	845633.0825	1719950.7397
L	53+62.00	-66.00	845764.1086	1719933.6471
L	53+65.00	55.00	845645.4824	1719957.6853
L	53+65.00	45.00	845655.3294	1719955.9428
L	53+85.00	55.00	845648.9674	1719977.3793
L	53+85.00	45.00	845658.8144	1719975.6368
L	53+94.35	-57.21	845761.0931	1719967.0334
L	55+75.00	66.00	845671.2430	1720166.3894
L	55+75.00	49.00	845687.9860	1720163.4266

NAIL SET

NOT SET (SHRUB)

PERMANENT EASEMENT REBAR AND CAP


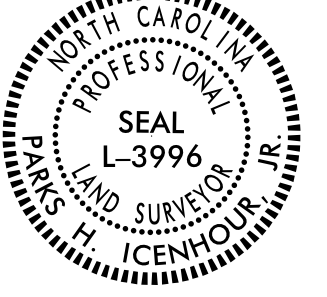
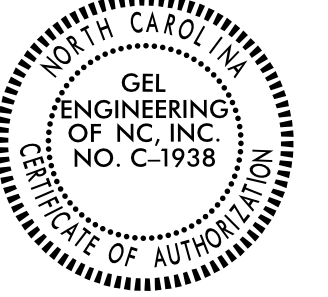
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+20.00	49.00	844666.1451	1718591.5907
Y2	11+31.81	-31.93	844737.3093	1718631.8982
Y2	12+05.00	44.00	844640.0303	1718672.6340
Y2	12+18.50	29.77	844648.4068	1718690.3702

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 07/06/2021 TO 05/04/2023 .

REVISIONS

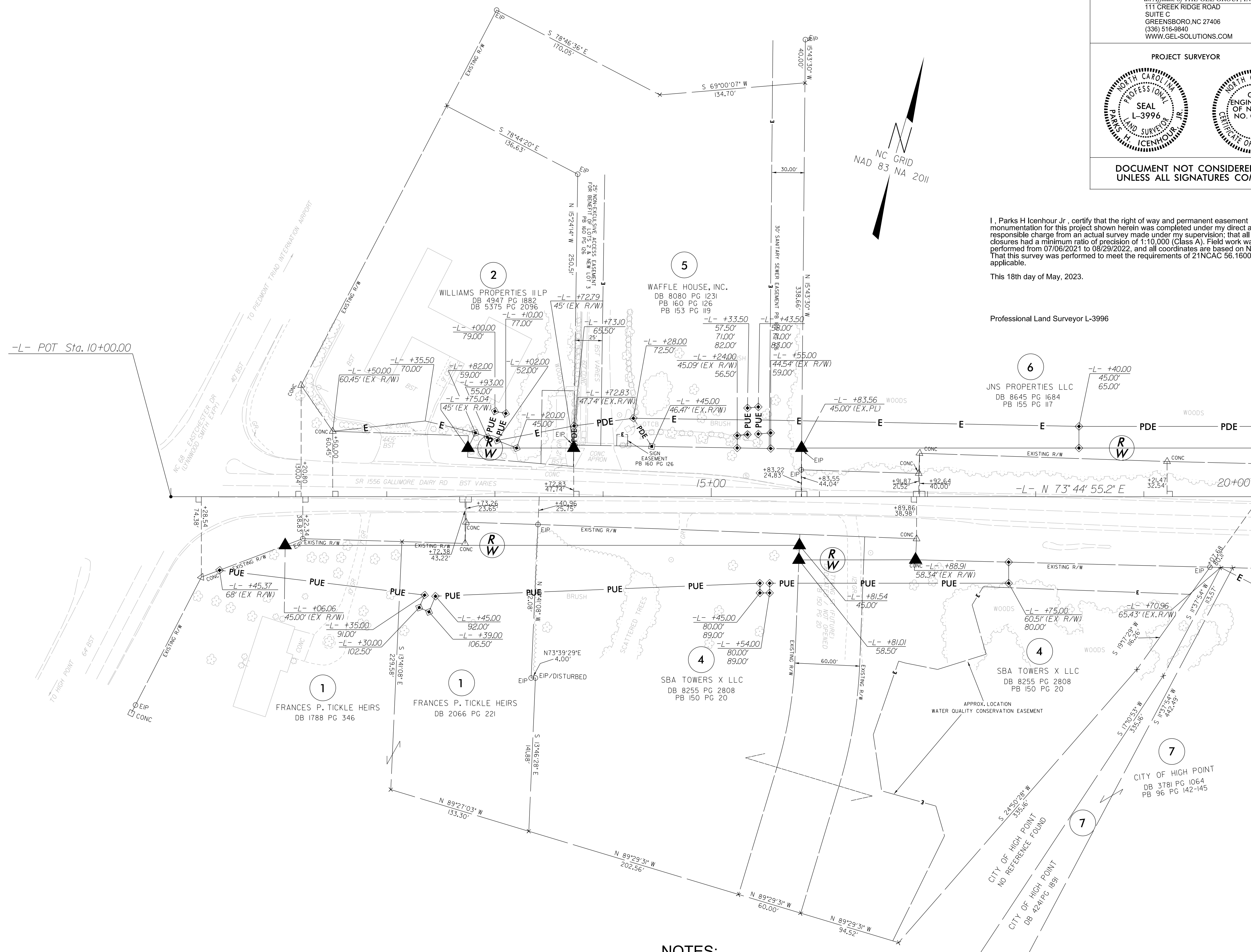
6/2/19
 18-MAY-2023 10:06
 C:\14015A\14015A-1.dgn
 Andy Smith
 4-23\14015A-1.dgn
 Andy Smith

PROJECT REFERENCE NO.	SHEET NO.
U-4015A	RW04
Location and Surveys	
 <small>an Affiliate of THE GEL GROUP, INC.</small> 111 CREEK RIDGE ROAD SUITE C GREENSBORO NC 27406 (336) 516-9840 WWW.GEL-SOLUTIONS.COM	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Parks H Icenhour Jr., 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 07/06/2021 to 08/29/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 58.1600 as applicable.

This 18th day of May, 2023.

Professional Land Surveyor L-3996



MATCHLINE -L- STA. 20 + 00.00
SEE SHEET RW05

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 07/06/2021 TO 08/29/2022 .

18 MAY 2023 09:45
 C:\14015A\14015A-REVISED 4-23\14015A.lis-rw04_230518.editted.dgn
 Andy Smith

PROJECT REFERENCE NO.	SHEET NO.
U-4015A	RW05
Location and Surveys	
 <small>an Affiliate of THE GEL GROUP, INC.</small> 111 CREEK RIDGE ROAD SUITE C GREENSBORO, NC 27406 (336) 516-9840 WWW.GEL-SOLUTIONS.COM	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

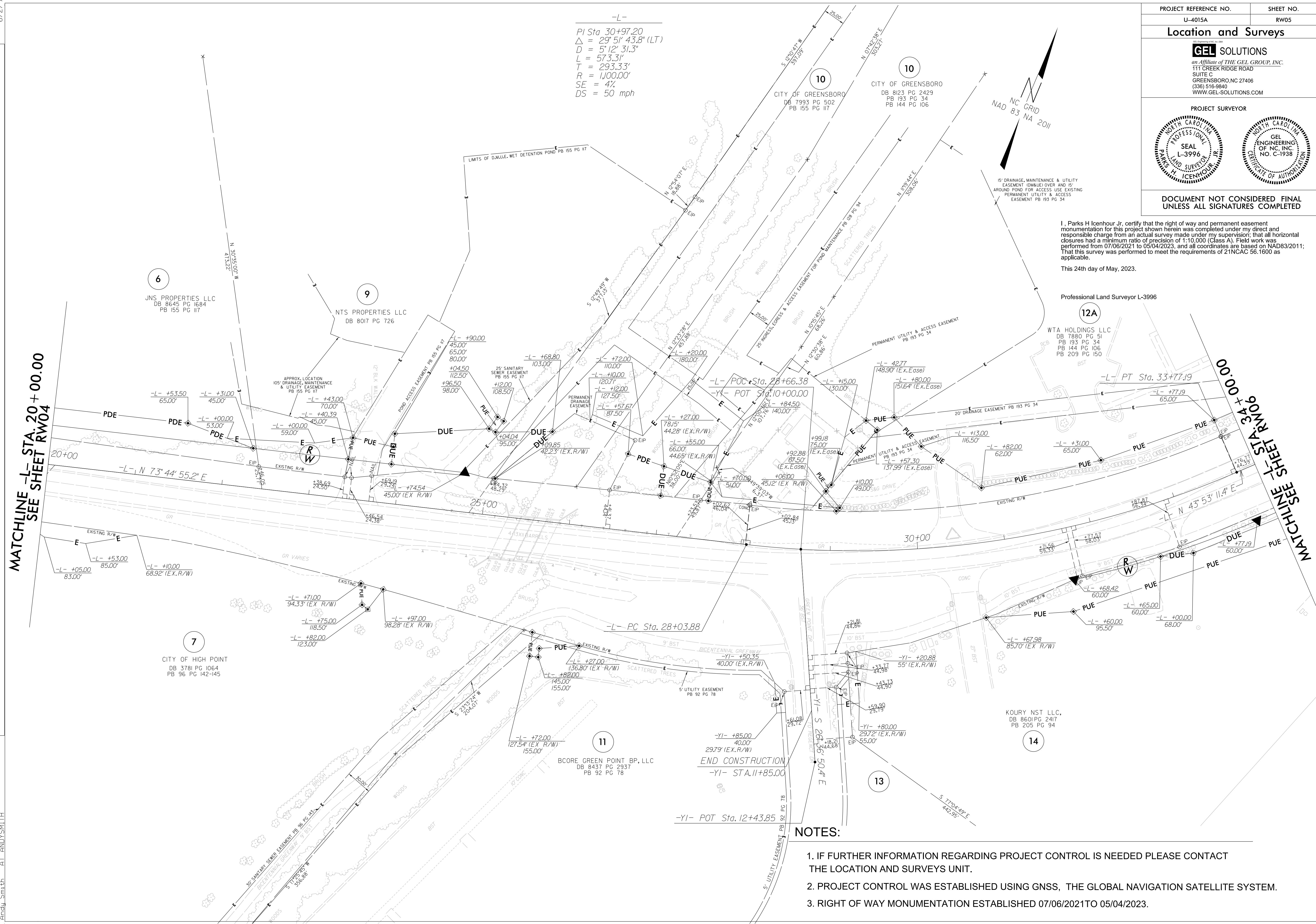
I, Parks H Icenhour Jr, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 07/06/2021 to 05/04/2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of May, 2023.

Professional Land Surveyor L-3996

-L-



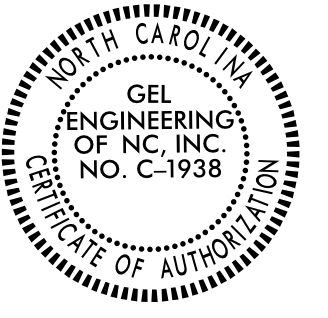
PI Sta 30+97.20
 $\Delta = 29^{\circ} 51' 43.8''$ (LT)
 $D = 5' 12' 31.3''$
 $L = 573.31'$
 $T = 293.33'$
 $R = 1,100.00'$
 $SE = 4\%$
 $DS = 50$ mph



- 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 07/06/2021 TO 05/04/2023.

REVISIONS

24-MAY-2023 14:29
 C:\14015A\23\ss\Revised 4-23\4015a.l.s.rw05_230518_edt.ted.dgn
 Andy Smith

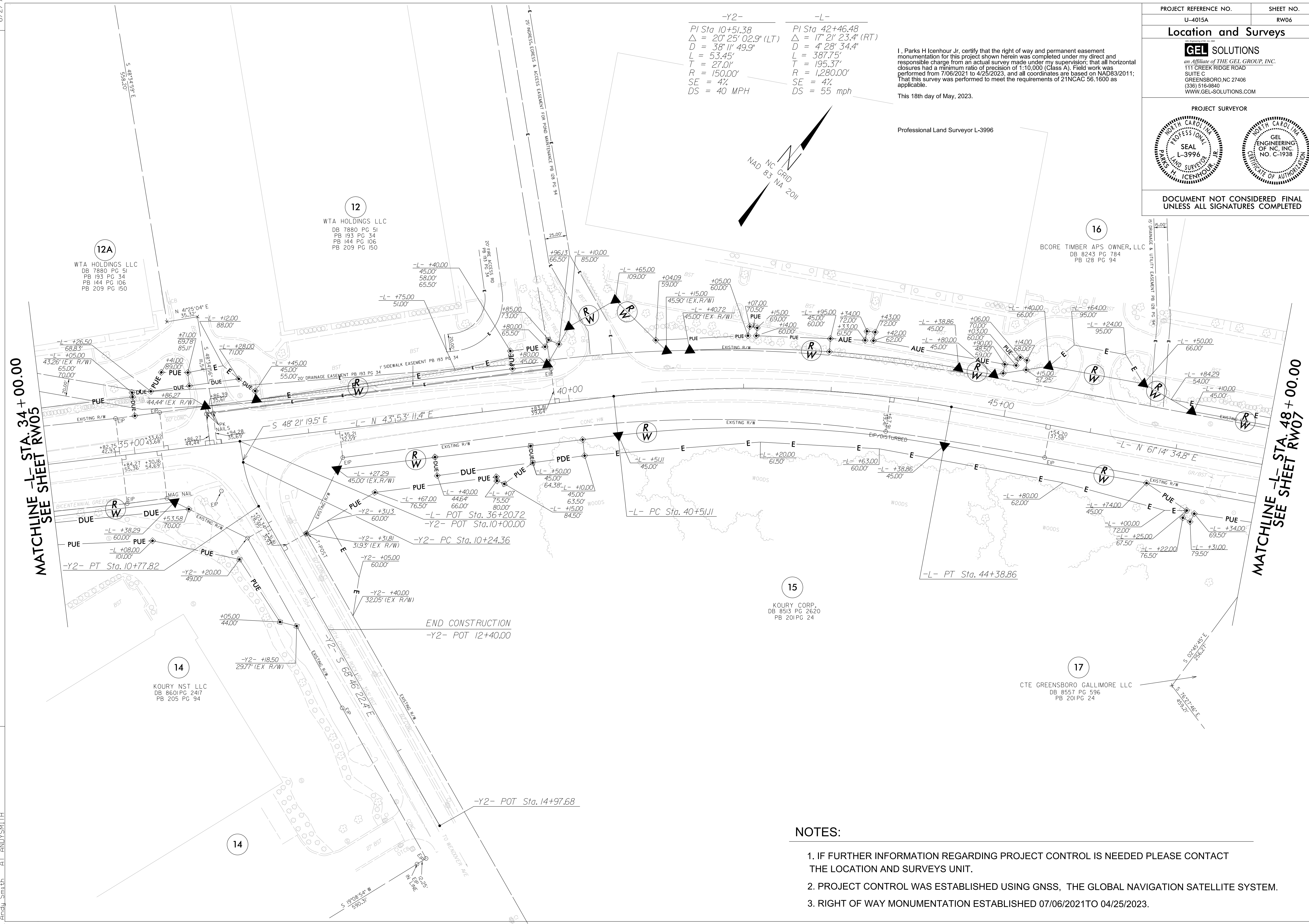
PROJECT REFERENCE NO.	SHEET NO.
U-4015A	RW06
Location and Surveys	
 <small>an Affiliate of THE GEL GROUP, INC.</small> 111 CREEK RIDGE ROAD SUITE C GREENSBORO, NC 27406 (336) 516-9840 WWW.GEL-SOLUTIONS.COM	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-Y2-	-L-
PI Sta 10+51.38	PI Sta 42+46.48
$\Delta = 20' 25" 02.9" (LT)$	$\Delta = 17' 21" 23.4" (RT)$
D = 38' 11" 49.9"	D = 4' 28' 34.4"
L = 53.45'	L = 387.75'
T = 27.0'	T = 195.37'
R = 150.00'	R = 1,280.00'
SE = 4%	SE = 4%
DS = 40 MPH	DS = 55 mph

I, Parks H Icenhour Jr, 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 7/09/2021 to 4/25/2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 18th day of May, 2023.

Professional Land Surveyor L-3996



REVISIONS
REVISIONS

MATCHLINE -L- STA. 34 + 00.00
SEE SHEET RW05

MATCHLINE -L- STA. 48 + 00.00
SEE SHEET RW07

15
KOURY CORP.
DB 8513 PG 2620
PB 201 PG 24

14
KOURY NST LLC
DB 8601 PG 2417
PB 205 PG 94

17
CTE GREENSBORO GALLIMORE LLC
DB 8557 PG 596
PB 201 PG 24

END CONSTRUCTION
-Y2- POT 12+40.00

-Y2- POT Sta. 14+97.68

NOTES:

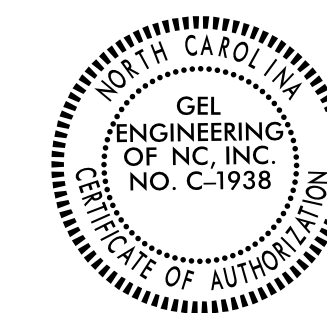
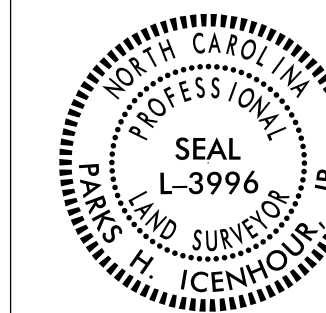
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 07/06/2021 TO 04/25/2023.

Location and Surveys

GEL SOLUTIONS

an Affiliate of THE GEL GROUP, INC.
 111 CREEK RIDGE ROAD
 SUITE C
 GREENSBORO, NC 27406
 (336) 516-9840
 WWW.GEL-SOLUTIONS.COM

PROJECT SURVEYOR

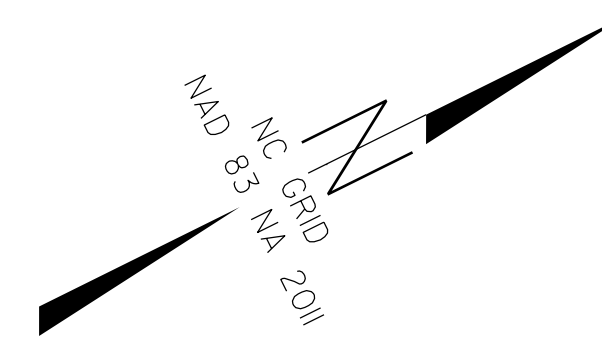


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

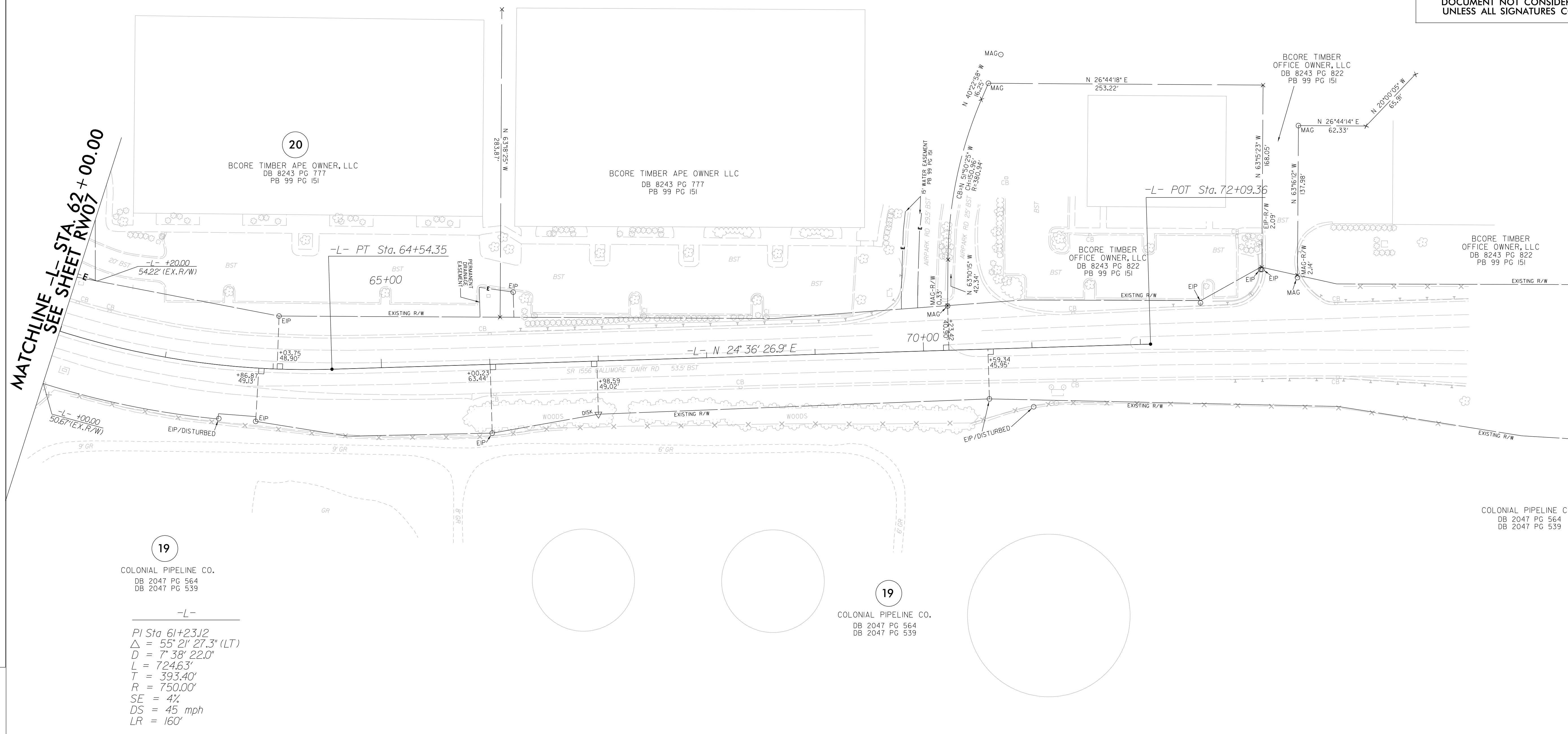
I, Parks H Icenhour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 7/06/2021 to 8/29/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 18th day of May, 2023.

Professional Land Surveyor L-3996



REVISIONS
 18-MAY-2023 10:17
 P:\4015A\Drawings\Drawings\Revised 4-23\4015a.l.s.-rw08_230518_.edt.ed.dgn
 Andy Smith



MATCHLINE -L- STA. 62+00.00
 SEE SHEET RW07

19
 COLONIAL PIPELINE CO.
 DB 2047 PG 564
 DB 2047 PG 539
 -L-
 PI Sta 61+23.12
 $\Delta = 55' 21'' 27.3'' (LT)$
 $D = 7' 38'' 22.0''$
 $L = 724.63'$
 $T = 393.40'$
 $R = 750.00'$
 $SE = 4\%$
 $DS = 45 \text{ mph}$
 $LR = 160'$

19
 COLONIAL PIPELINE CO.
 DB 2047 PG 564
 DB 2047 PG 539

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 7/06/2021 TO 8/29/2022