

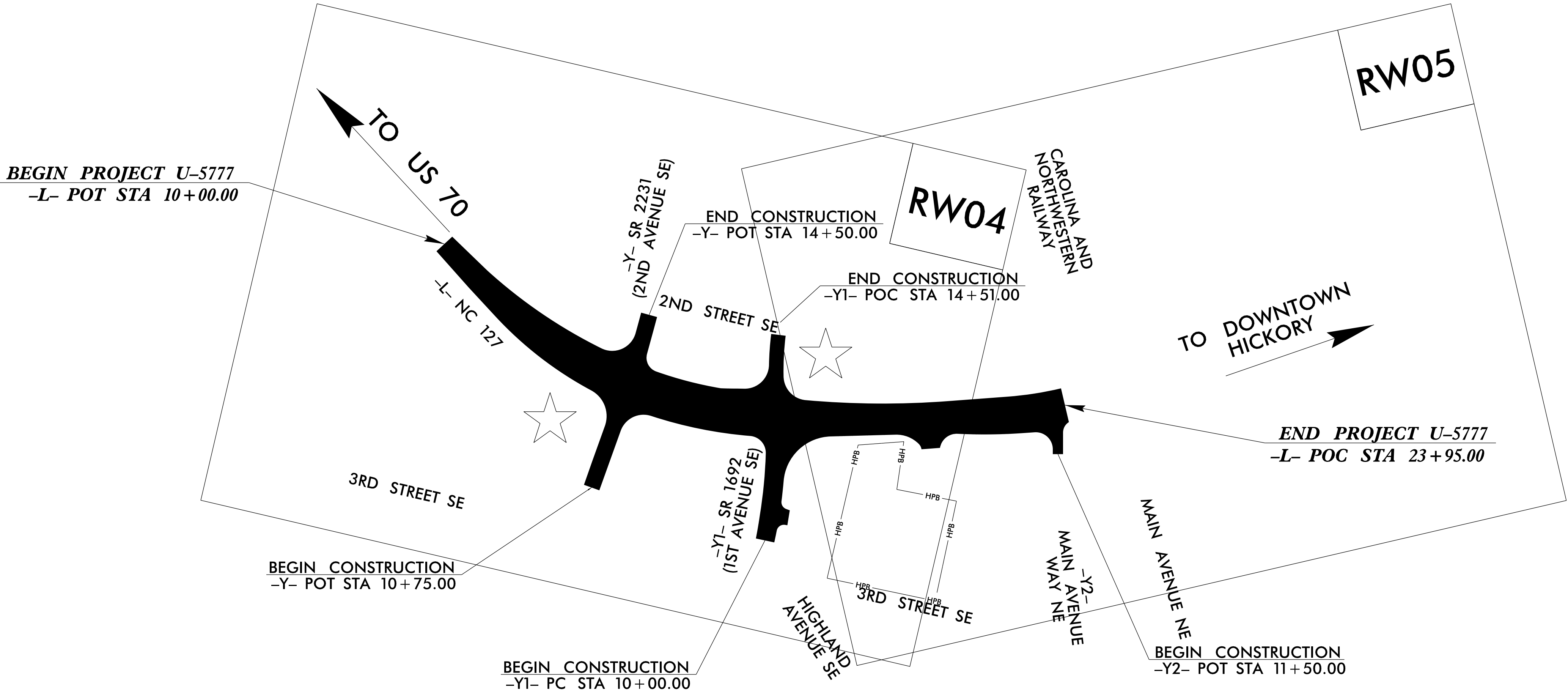
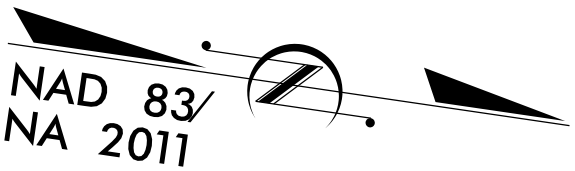
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5777	RW01	8

TIP PROJECT: U-5777

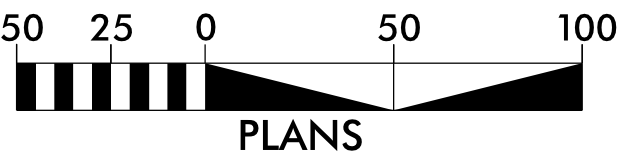
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

CATAWBA



GRAPHIC SCALE



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "BL-3" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 729005.0214(ft) EASTING: 1307555.2570(ft) ELEVATION: 1166.566(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998568009 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BL-3" TO -L- STATION 10+00.00 IS S 23-42'47" W 938.426(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88 (GEOID 12B)

Prepared in the Office of:

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
06/30/2019

LETTING DATE:
05/20/2025

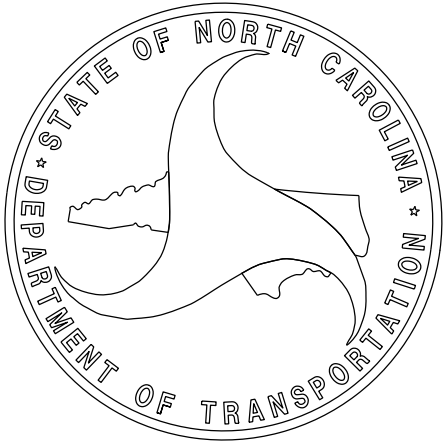
PROFESSIONAL LAND
SURVEYOR

DocuSigned by:
Clint Benbow
921CD88B7070436...

SIGNATURE:

2/17/2025

Date:



PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.
U-5777

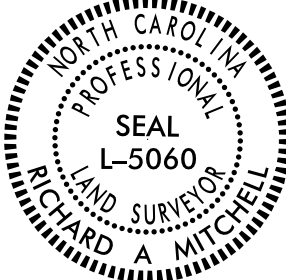
SHEET NO.
RW02D-1

Location and Surveys



WSP USA, INC.
1001 WIDE AVE
SUITE 400
RALEIGH, NC 27603
TEL: 919.838.4040
WWW.WSP.COM

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Richard A. Mitchell, 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 12th day of February, 2024

DocuSigned by:
Richard Mitchell
EBAF37AAD72C429...

2/12/2024

Professional Land Surveyor

L-5060

L			
TYPE	STATION	NORTH	EAST
POT	9+00.00	728145.8242	1307177.8625
PC	11+20.04	728317.1074	1307315.9915
PT	18+10.38	728964.0533	1307495.1581
PC	21+28.64	729279.2820	1307461.2781
PT	24+65.58	729600.8443	1307355.1104
POT	26+09.97	729731.3023	1307293.2330

L_L_T			
TYPE	STATION	NORTH	EAST
PC	10+00.00	728232.1728	1307247.4971
PT	15+10.37	728690.2603	1307460.9625

L_RT			
TYPE	STATION	NORTH	EAST
POT	10+00.00	728317.1074	1307315.9915
PC	10+60.62	728364.2932	1307354.0439
PT	14+14.79	728682.1842	1307502.1787

Y			
TYPE	STATION	NORTH	EAST
POT	7+00.00	728522.1303	1308060.4030
PC	13+01.49	728641.2451	1307470.8282
PT	13+79.06	728653.6441	1307394.2717
PC	14+51.57	728662.4529	1307322.2949
PT	15+66.25	728673.1135	1307208.1290

Y1			
TYPE	STATION	NORTH	EAST
POT	7+60.09	728941.7323	1307987.5480
PC	9+63.24	728962.4790	1307785.4548
PT	12+04.09	728958.1253	1307545.2325
PC	13+55.33	728937.2392	1307395.4427
PT	15+54.87	728942.7490	1307196.8940

Y1REV			
TYPE	STATION	NORTH	EAST
POT	7+60.09	728941.7323	1307987.5480
PC	9+63.24	728962.4790	1307785.4548
PT	12+04.09	728958.1253	1307545.2325
PC	13+55.33	728937.2392	1307395.4427
PT	15+54.87	728942.7490	1307196.8940

Y2			
TYPE	STATION	NORTH	EAST
PC	10+00.00	729565.3269	1307632.7912
PT	11+32.64	729539.3295	1307502.7860
POT	12+48.08	729522.7284	1307388.5496

NOTES:

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

REVISIONS

RIGHT OF WAY CONTROL SHEET

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
L	11+15.60	-41.41	728339.6442	1307280.9730
L	15+37.42	-65.00	728704.2914	1307424.9586
L	16+75.00	-65.00	728830.4748	1307438.0407
L	17+10.25	68.01	728865.6466	1307571.0564
L	17+25.00	-80.00	728876.0616	1307422.6962
L	18+60.00	-45.00	729006.9998	1307443.7460
L	18+80.00	62.68	729041.6550	1307547.6417
L	20+00.00	-40.00	729146.3522	1307429.3963
L	21+11.21	-42.25	729256.1865	1307411.8398

NAIL IN PAVEMENT

MARKED PAVEMENT
NAIL AT FOOT OF WALL

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
LLT	13+81.78	-36.00	728577.0648	1307394.3719

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	13+75.00	29.81	728682.7137	1307402.0422
Y	13+95.00	-35.00	728620.8395	1307374.1987
Y	14+50.00	-35.00	728627.5208	1307319.6060
Y	14+50.00	-26.31	728636.1420	1307320.6611

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	9+94.62	-30.00	728935.2682	1307752.0742
Y1	9+94.71	-27.29	728937.9799	1307752.1803
Y1	10+00.00	28.22	728993.7213	1307750.6797
Y1	10+00.00	30.00	728995.4953	1307750.7961
Y1	11+25.00	30.00	728995.8872	1307622.1305
Y1	11+67.50	43.00	729005.2909	1307577.1782
Y1	11+70.00	58.00	729019.9405	1307573.0206
Y1	11+82.19	-30.00	728931.1154	1307570.4412
Y1	11+85.00	59.00	729019.1604	1307557.1309
Y1	13+40.00	30.00	728969.0685	1307406.4801
Y1	13+65.00	-30.00	728906.2052	1307389.5158
Y1	14+35.00	24.64	728956.1380	1307315.8939
Y1	14+35.00	30.00	728961.4996	1307315.8630
Y1	14+45.44	-30.00	728901.5329	1307305.2423

ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
L	10+64.00	62.00	728234.5647	1307329.0747
L	10+64.00	38.40	728249.3768	1307310.7072
L	10+82.00	62.00	728248.5762	1307340.3741
L	11+50.00	39.28	728317.1980	1307365.8139
L	11+60.00	70.00	728307.4773	1307396.8372
L	15+29.35	79.10	728669.1599	1307564.9435
L	16+00.00	-78.00	728762.8543	1307420.5368
L	16+00.00	-65.00	728761.4187	1307433.4573
L	16+25.00	-78.00	728785.4416	1307422.7087
L	16+25.00	-65.00	728784.3888	1307435.6660
L	17+25.00	-95.00	728875.5026	1307407.7067
L	17+41.56	-198.44	728884.3034	1307303.7392
L	17+47.24	69.30	728905.6572	1307570.6804
L	18+60.00	-60.00	729004.9318	1307428.8892
L	20+00.00	-50.00	729144.9735	1307419.4918
L	21+00.00	-42.02	729245.1188	1307413.6089
L	21+00.00	-55.00	729243.3292	1307400.7524
L	21+13.40	-55.00	729256.6012	1307398.9050

PK NAIL OVER DRAINAGE PIPE

NAIL IN PAVEMENT

MARKED PAVEMENT

MARKED PAVEMENT

MARKED PAVEMENT

ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	8+92.00	32.00	728591.5190	1307878.5426
Y	8+92.00	23.65	728583.3343	1307876.8890
Y	9+80.00	40.00	728616.7875	1307793.8697
Y	11+92.00	46.00	728664.6519	1307587.2565
Y	13+87.00	53.00	728707.2160	1307392.8294
Y	13+87.00	45.00	728699.2753	1307391.8576
Y	14+72.00	42.00	728706.5694	1307306.6843
Y	14+72.00	48.00	728712.5321	1307307.3523
Y	14+89.93	45.99	728712.4962	1307288.8959

NAIL IN PAVEMENT

ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	9+47.00	-36.00	728925.0082	1307797.9384
Y1	9+47.00	-27.14	728933.8173	1307798.8428
Y1	9+74.00	30.21	728993.6000	1307777.5117
Y1	9+74.00	37.00	729000.3648	1307778.1327
Y1	10+40.00	-90.00	728877.4102	1307706.5765
Y1	10+40.00	-50.00	728917.3971	1307707.5982
Y1	10+68.00	-52.00	728915.7040	1307681.0057
Y1	10+68.00	-90.00	728877.7043	1307681.0990
Y1	11+72.00	69.00	729030.6555	1307569.7476
Y1	11+72.00	58.12	729019.8366	1307570.9036
Y1	13+40.00	35.00	728974.0206	1307405.7896
Y1	13+70.00	-44.44	728891.2367	1307385.9467

NAIL IN PAVEMENT

NAIL IN PAVEMENT

NAIL IN PAVEMENT

NAIL IN PAVEMENT

X IN CONCRETE

X IN CONCRETE

NAIL IN PAVEMENT

PROJECT REFERENCE NO.

U-5777

SHEET NO.

RW02E-1

Location and Surveys



WSP USA, Inc.
1001 NANCE AVE
SUITE 400
RALEIGH, NC 27603
TEL: 919.838.6000
WWW.WSP.USA

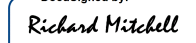
PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Richard A. Mitchell, 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 October 2023 to January 2024, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of February, 2024.

Designed by

Professional Land Surveyor L-5060

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 OCTOBER 2023 TO JANUARY 2024 .

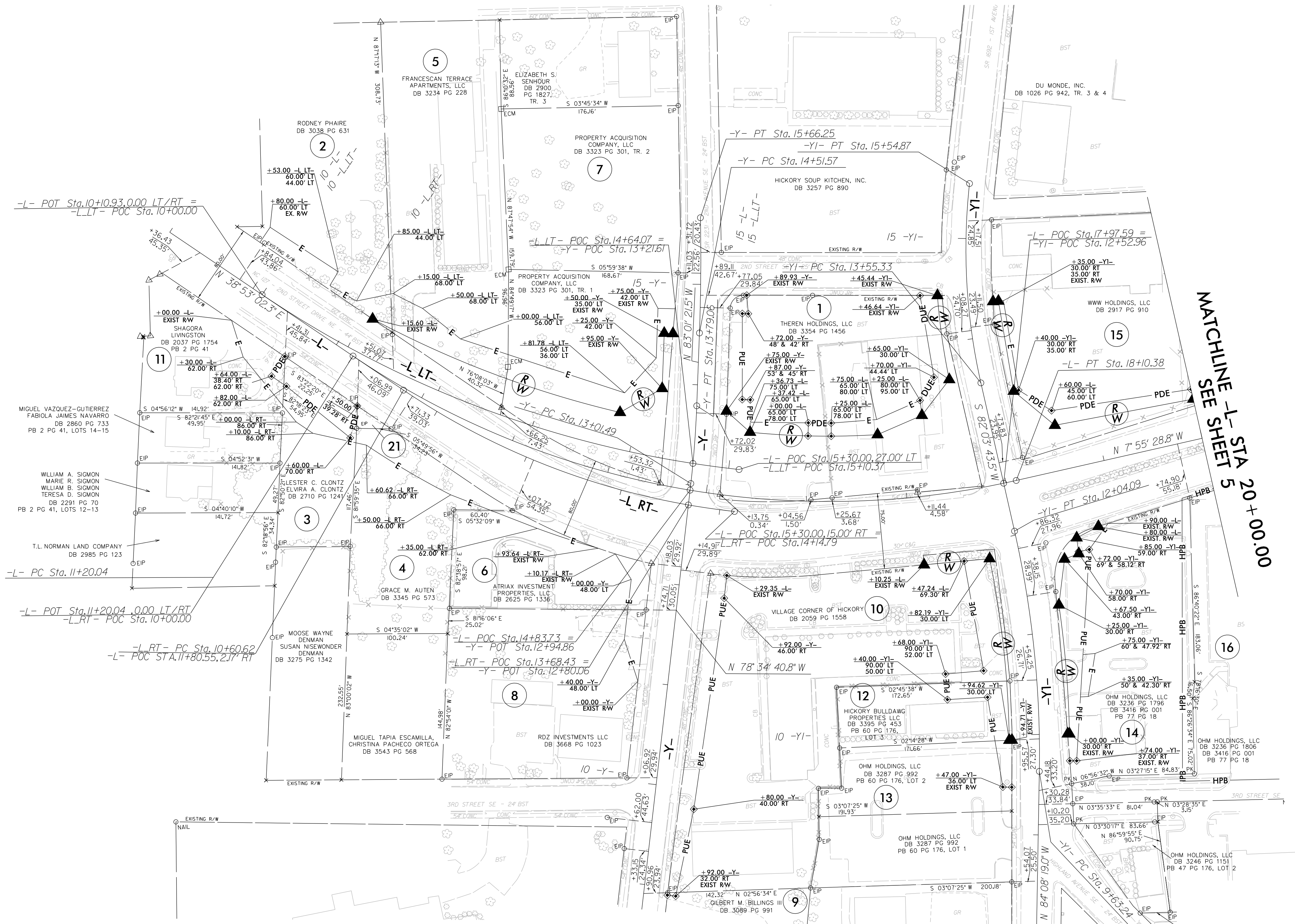
PROJECT REFERENCE NO.	SHEET NO.
U-5777	RW04
Location and Surveys	
 WSP, INC. 1025 N. HARRIS AVE. SUITE 400 PLAZA, NC 27605 TEL: 919.833.4340 WWW.WSP.COM	
PROJECT SURVEYOR	
	
THIS DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Richard A. Mitchell, 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 October 2023 to January 2024, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of February, 2024.

Richard Mitchell

Professional Land Surveyor L-5060



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 OCTOBER 2023 TO JANUARY 2024 .

[illegible]

