

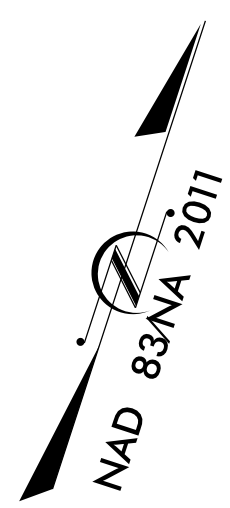
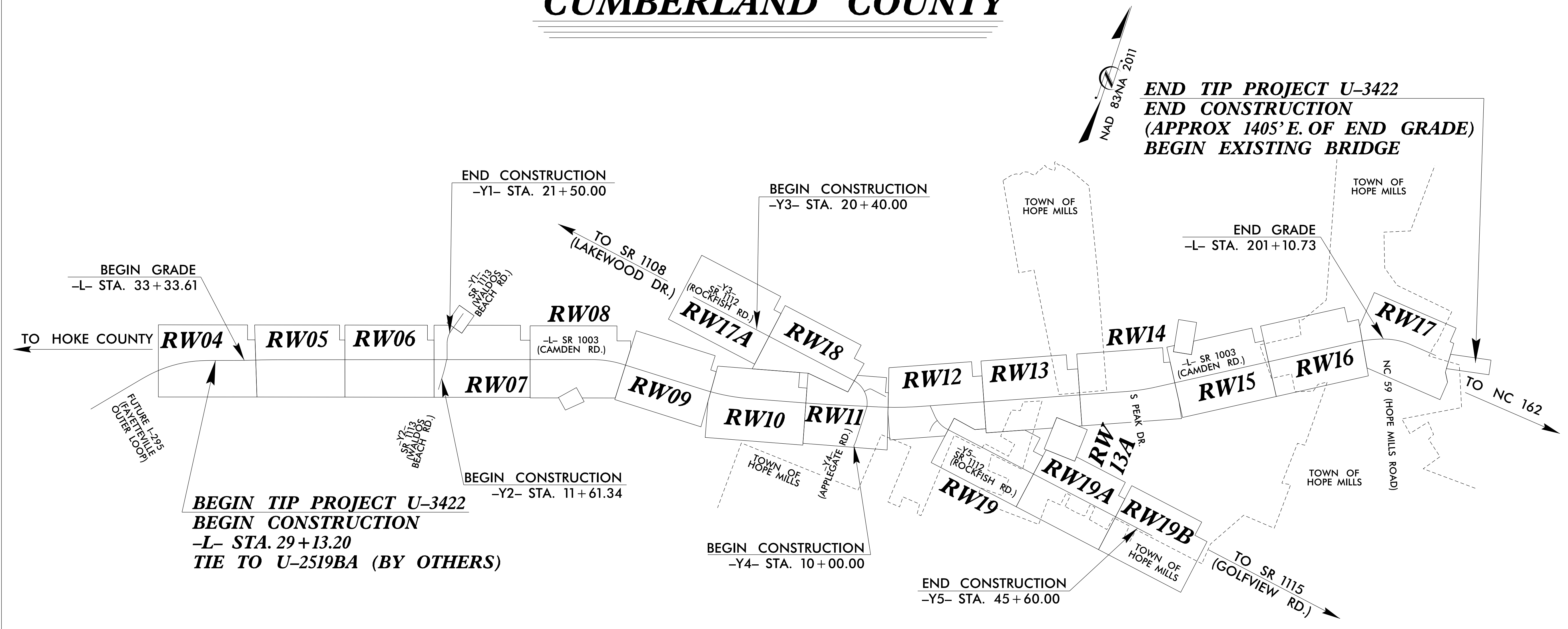
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-3422	RW01	36

**TIP PROJECT: U-3422**

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

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

**CUMBERLAND COUNTY**



**END TIP PROJECT U-3422**  
**END CONSTRUCTION**  
 (APPROX 1405' E. OF END GRADE)  
**BEGIN EXISTING BRIDGE**

BEGIN GRADE  
 -L- STA. 33+33.61

END CONSTRUCTION  
 -Y1- STA. 21+50.00

BEGIN CONSTRUCTION  
 -Y3- STA. 20+40.00

END GRADE  
 -L- STA. 201+10.73

TO HOKE COUNTY

FUTURE L-295  
 (PAVEMENT IN  
 OUTER LOOP)

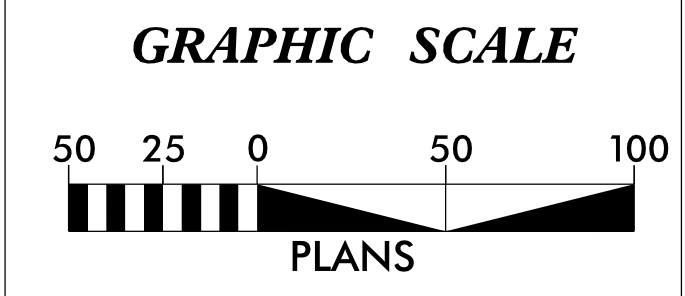
**BEGIN TIP PROJECT U-3422**  
**BEGIN CONSTRUCTION**  
 -L- STA. 29+13.20  
**TIE TO U-2519BA (BY OTHERS)**

BEGIN CONSTRUCTION  
 -Y2- STA. 11+61.34

BEGIN CONSTRUCTION  
 -Y4- STA. 10+00.00

END CONSTRUCTION  
 -Y5- STA. 45+60.00

TO NC 162



**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "BREEZE" WITH NAD 83/NSRS NC STATE PLANE GRID COORDINATES OF NORTHING: 455401.4875 (ft) EASTING: 2024426.7025 (ft) ELEVATION: 218.08 (ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999880000 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BREEZE" TO -L- STATION 10+00.00 IS S 68-28'56" W 33918.41(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88/GEOID12NC

Prepared in the Office of:

JoynerKeeny, PLLC  
 1051 N. Winstead Avenue  
 Rocky Mount, NC 27804  
 252-977-3124  
 North Carolina Firm Number P-0551

2024 STANDARD SPECIFICATIONS  
**RIGHT OF WAY DATE:**  
 07/30/2021

**LETTING DATE:**  
 10/17/2024

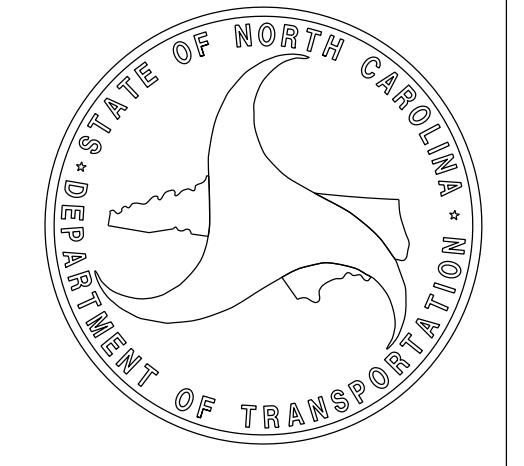
PROFESSIONAL LAND SURVEYOR

DocuSigned by:  
*Karen E. Stone*

82435A975745452...  
 SIGNATURE:



10/21/2024  
 Date:



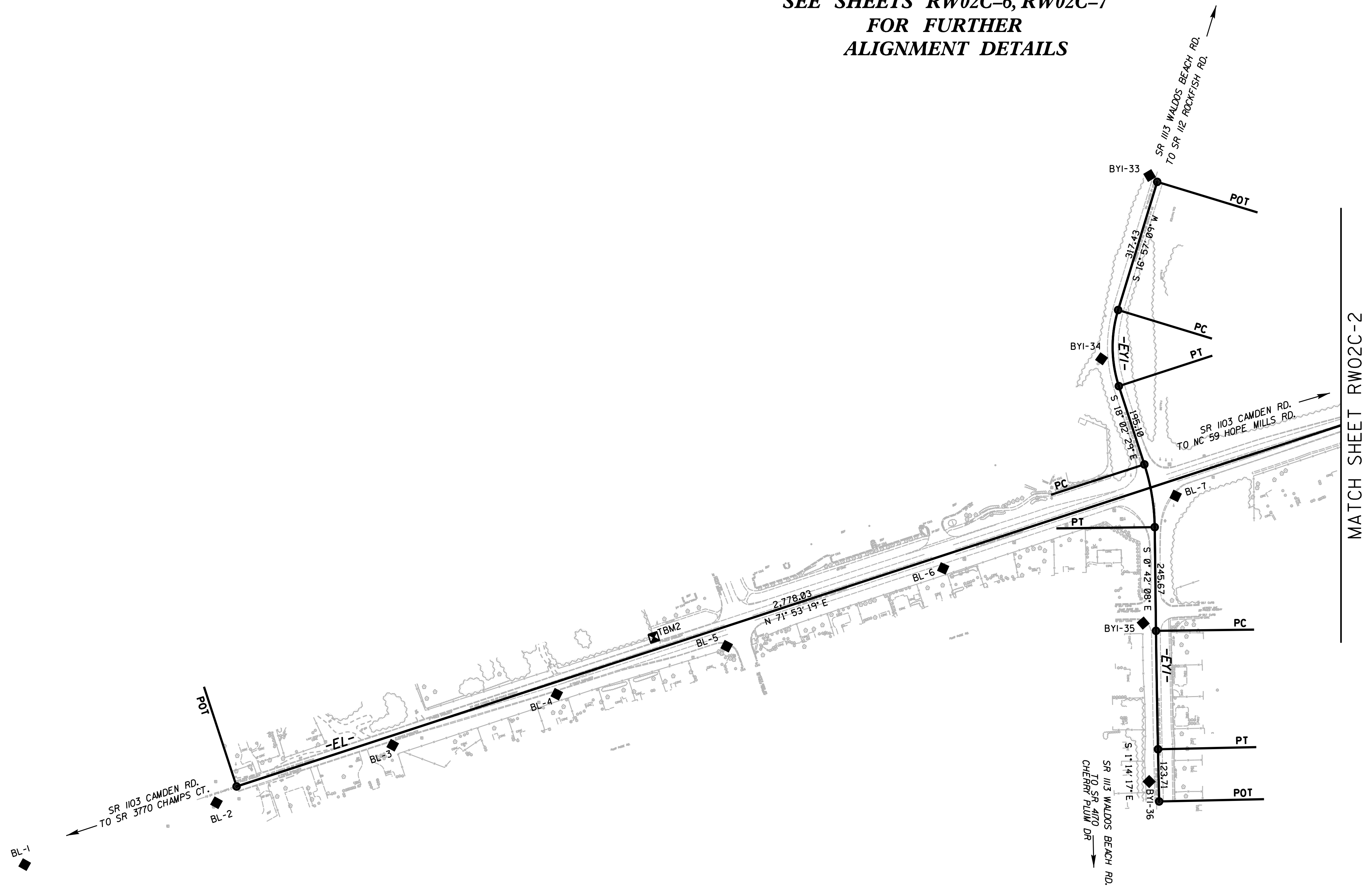
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PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW02C-1
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	

# SURVEY CONTROL SHEET U-3422

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

**SEE SHEETS RW02C-6, RW02C-7  
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.

U2519B-63

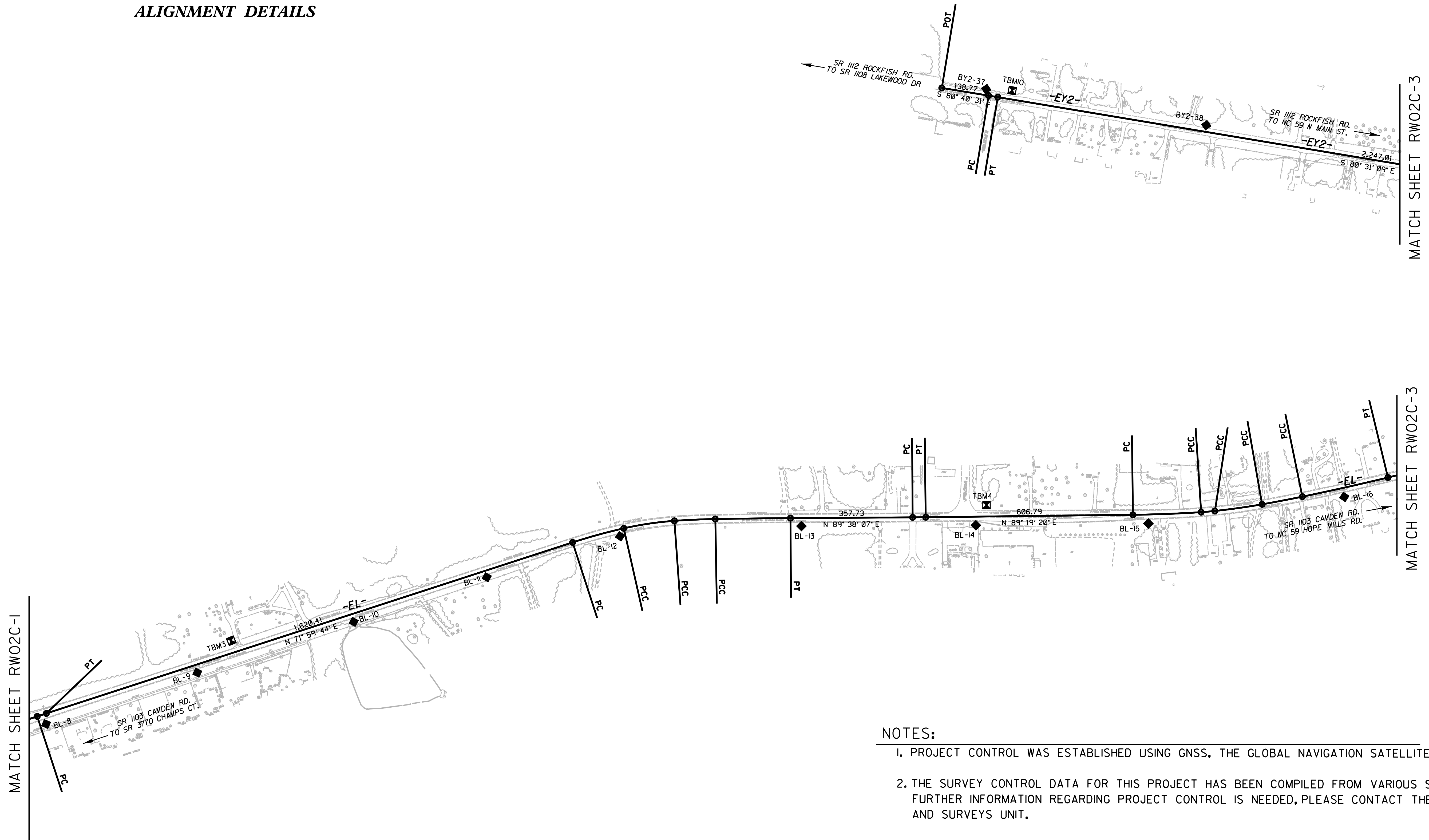
U2519B-64 TBM

PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW02C-2
Location and Surveys	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	

# SURVEY CONTROL SHEET U-3422

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

**SEE SHEETS RW02C-6, RW02C-7  
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.

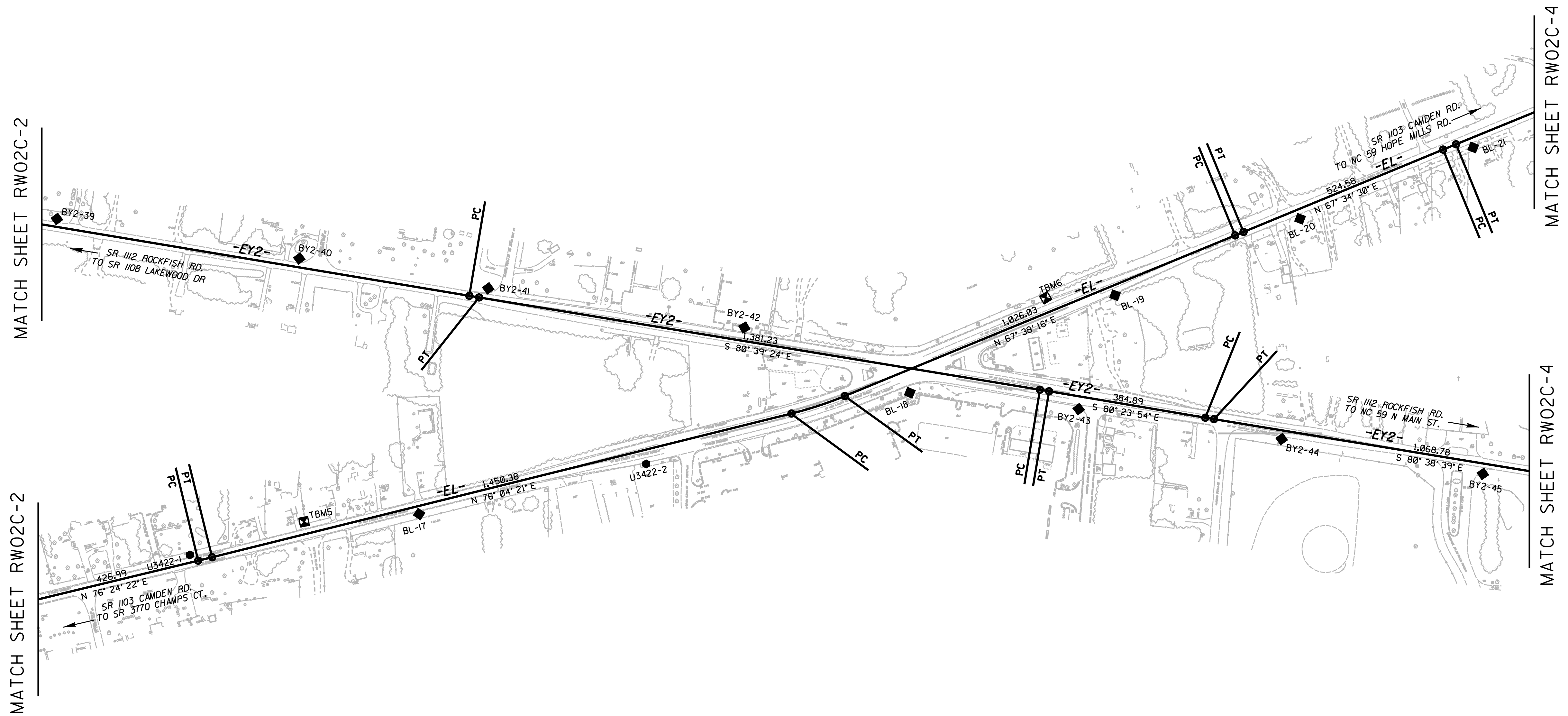


PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW02C-3
Location and Surveys	
JoynerKeeny, PLLC	
1051 N. Winstead Avenue	
Rocky Mount, NC 27804	
252-977-3124	
North Carolina Firm Number P-0551	

# SURVEY CONTROL SHEET U-3422

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

**SEE SHEETS RW02C-6, RW02C-7  
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.

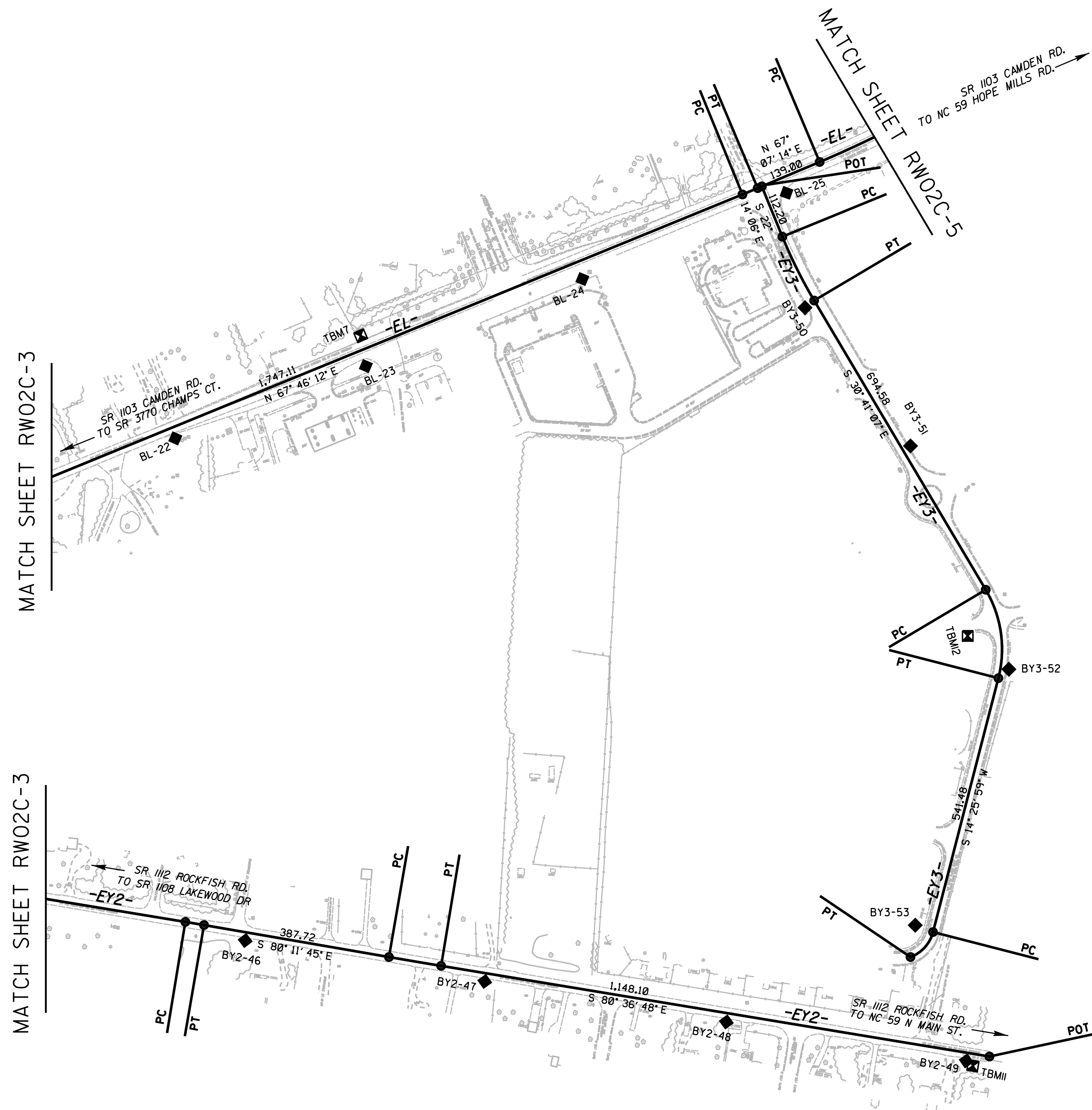


PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW02C-4
Location and Surveys	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	

# SURVEY CONTROL SHEET U-3422

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

**SEE SHEETS RW02C-6, RW02C-7  
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.

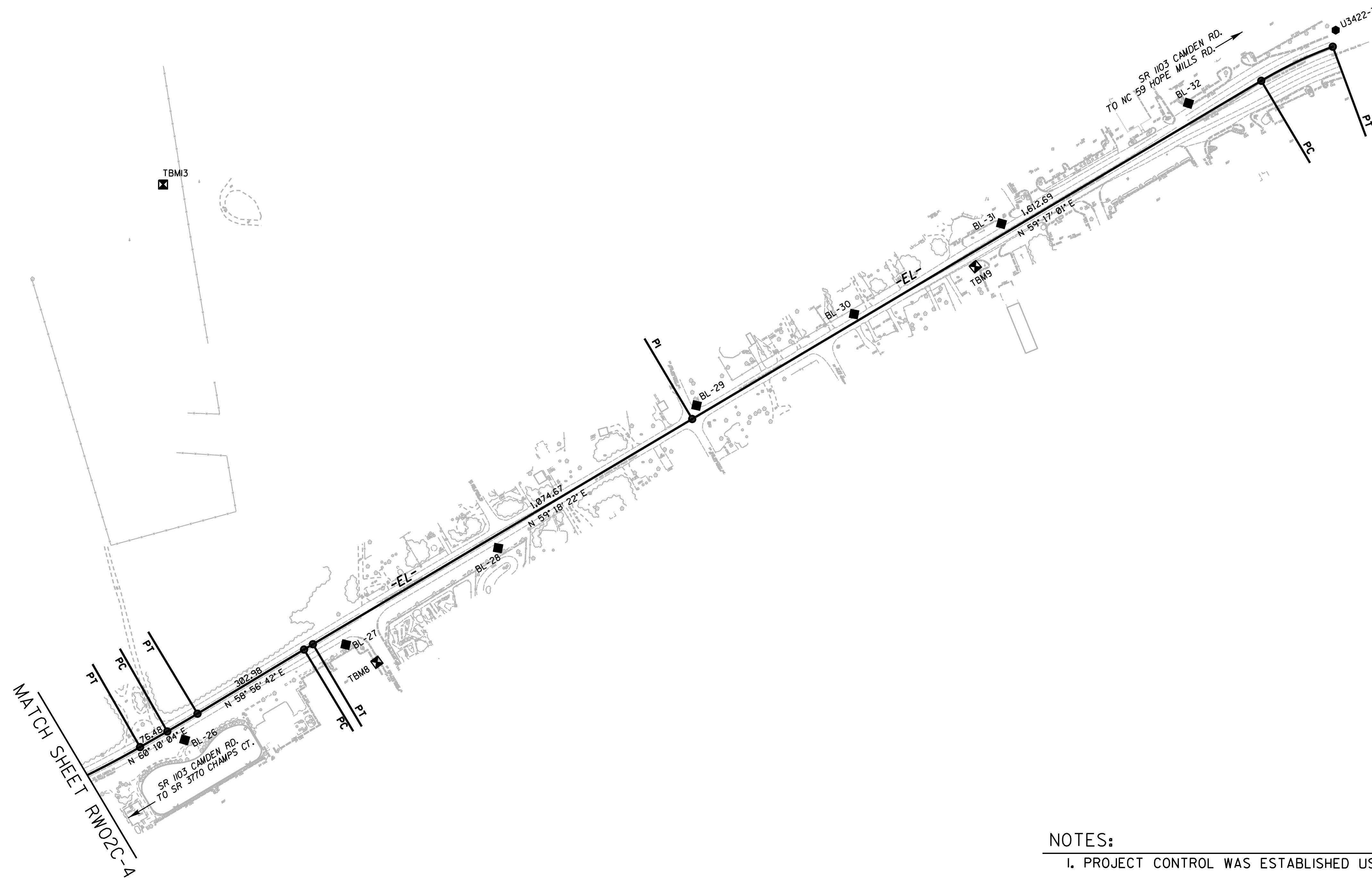
6/2/09

PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW02C-5
Location and Surveys	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	

# SURVEY CONTROL SHEET U-3422

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

**SEE SHEETS RW02C-6, RW02C-7  
FOR FURTHER  
ALIGNMENT DETAILS**



U3422-4

**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.

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PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW02C-6
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	

# SURVEY CONTROL SHEET U-3422

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

### BASELINE

BL					BY1					BY2					BY3				
POINT	DESC.	NORTH	EAST	ELEVATION	POINT	DESC.	NORTH	EAST	ELEVATION	POINT	DESC.	NORTH	EAST	ELEVATION	POINT	DESC.	NORTH	EAST	ELEVATION
63	U2519B-63	444133.9630	1994005.6110	176.97	33	BY1-33	445988.1622	1997584.8916	180.54	37	BY2-37	447241.0203	2000840.7926	183.35					
64	U2519B-64	444243.3860	1994428.3290	177.61	34	BY1-34	445553.9213	1997471.0105	179.95	38	BY2-38	447135.2300	2001485.1012	181.60					
1	BL-1	444355.2535	1994919.6932	177.67	A7	BL-7	445229.0488	1997646.5348	183.42	39	BY2-39	447034.0319	2002088.9173	184.78					
2	BL-2	444501.8578	1995374.0698	177.81	35	BY1-35	444927.6376	1997569.6607	183.55	40	BY2-40	446937.9461	2002677.9668	185.29					
3	BL-3	444638.1488	1995791.5623	181.37	36	BY1-36	444552.0563	1997583.7755	182.03	41	BY2-41	446865.4095	2003136.9607	183.24					
4	BL-4	444759.0107	1996180.3395	183.79						42	BY2-42	446766.9040	2003759.3236	178.70					
5	BL-5	444872.7951	1996582.8381	182.96						A18	BL-18	446611.8066	2004161.4121	175.09					
6	BL-6	445057.1959	1997095.8212	183.08						43	BY2-43	446572.1028	2004571.6821	171.69					
7	BL-7	445229.0488	1997646.5348	183.42						44	BY2-44	446499.3229	2005064.8707	170.68					
8	BL-8	445381.6938	1998088.0573	181.38						45	BY2-45	446414.6803	2005553.7870	172.71					
9	BL-9	445532.0659	1998530.8507	178.01						46	BY2-46	446335.4847	2006078.6906	173.97					
10	BL-10	445680.7812	1998988.8714	171.73						47	BY2-47	446251.0001	2006573.4417	173.86					
11	BL-11	445811.4298	1999378.3620	176.92						48	BY2-48	446167.3462	2007072.5563	174.40					
12	BL-12	445931.3906	1999769.0154	179.99						49	BY2-49	446086.8140	2007568.1186	173.53					
13	BL-13	445961.4217	2000299.8731	180.85															
14	BL-14	445963.6233	2000810.6873	181.60															
15	BL-15	445968.7974	2001315.6353	186.40															
16	BL-16	446046.6599	2001889.2904	186.11															
91	U3422-1	446217.8150	2002412.2450	184.97															
17	BL-17	446317.1736	2002969.2249	184.19															
92	U3422-2	446438.8530	2003520.9770	182.44															
18	BL-18	446611.8066	2004161.4121	175.09															
19	BL-19	446848.6811	2004660.0181	173.77															
20	BL-20	447034.3524	2005109.6291	173.24															
21	BL-21	447207.6184	2005530.3050	172.88															
22	BL-22	447372.5477	2005934.2397	171.33															
23	BL-23	447521.8617	2006327.9244	173.11															
24	BL-24	447701.6057	2006775.1832	172.28															
25	BL-25	447879.7518	2007196.9958	171.45															
26	BL-26	448080.8027	2007615.8993	169.67															
27	BL-27	448312.8407	2008008.3339	167.54															
28	BL-28	448547.9876	2008379.4210	170.90															
29	BL-29	448895.2832	2008862.9887	169.87															
30	BL-30	449117.8420	2009246.7732	172.52															
31	BL-31	449338.2245	2009605.8577	174.10															
32	BL-32	449631.3771	2010061.4333	169.21															
93	U3422-3	449809.5570	2010420.2730	157.48															
94	U3422-4	449774.1320	2011442.0220	118.74															

201	ELEVATION = 179.85	204	ELEVATION = 185.32	207	ELEVATION = 174.35	210	ELEVATION = 185.28
N 444262	E 1994458	N 446023	E 2000842	N 447585	E 2000617	N 447237	E 2000917
TBM1 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT		TBM4 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT		TBM7 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT		TBM10 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT	
202	ELEVATION = 185.33	205	ELEVATION = 187.13	208	ELEVATION = 172.61	211	ELEVATION = 175.68
N 444894	E 1996410	N 446298	E 2002690	N 448270	E 2000084	N 446077	E 2007582
TBM2 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT		TBM5 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT		TBM8 CHISELED SQUARE ON CONCRETE BASE OF LIGHT POLE		TBM11 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT	
203	ELEVATION = 180.50	206	ELEVATION = 177.41	209	ELEVATION = 178.23	15695	ELEVATION = 176.24
N 445626	E 1998630	N 446842	E 2004942	N 449234	E 2009542	N 446965	E 2007571
TBM3 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT		TBM6 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT		TBM9 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT		TBM12 CHISELED *X* ON BONNET BOLT OF FIRE HYDRANT	

**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.



# SURVEY CONTROL SHEET U-3422

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. U-3422	SHEET NO. RW02C-7
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	

EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	444540.469	1995421.819							
LINE			N 71°53'19.2" E	2778.03					
PC	445404.060	1998062.209							
CURVE			N 71°56'31.7" E	28.00	00°06'25.0"(RT)	00°22'55.1"	28.00	14.00	15000.00
PT	445412.737	1998086.825							
LINE			N 71°59'44.2" E	1620.41					
PC	445913.589	1999629.884							
CURVE			N 74°38'26.0" E	155.35	05°17'23.7"(RT)	03°24'14.1"	155.41	77.76	1683.23
PCC	445954.737	1999779.687							
CURVE			N 81°34'57.7" E	149.86	08°35'39.7"(RT)	05°43'46.5"	150.00	75.14	1000.00
PCC	445976.674	1999927.933							
CURVE			N 87°26'33.0" E	119.99	03°07'30.8"(RT)	02°36'15.7"	120.00	60.01	2200.00
PCC	445982.028	2000047.798							
CURVE			N 89°19'12.8" E	220.00	00°37'48.9"(RT)	00°17'11.3"	220.00	110.00	20000.00
PT	445984.638	2000267.782							
LINE			N 89°38'07.3" E	357.73					
PC	445986.915	2000625.507							
CURVE			N 89°28'43.7" E	38.25	00°18'47.2"(LT)	00°49'06.6"	38.25	19.13	7000.00
PT	445987.263	2000663.759							
LINE			N 89°19'20.1" E	606.79					
PC	445994.440	2001270.508							
CURVE			N 87°47'01.3" E	199.98	03°04'37.6"(LT)	01°32'18.8"	200.00	100.02	3724.00
PCC	446002.174	2001470.334							
CURVE			N 85°05'57.2" E	40.00	02°17'30.6"(LT)	05°43'46.5"	40.00	20.00	1000.00
PCC	446005.591	2001510.185							
CURVE			N 81°59'48.7" E	139.97	03°54'46.4"(LT)	02°47'41.7"	140.00	70.03	2050.00
PCC	446025.079	2001648.795							
CURVE			N 79°12'25.3" E	120.00	01°40'00.4"(LT)	01°23'20.4"	120.00	60.00	4125.00
PCC	446047.549	2001766.668							
CURVE			N 77°23'23.5" E	256.78	01°58'03.3"(LT)	00°45'58.3"	256.80	128.41	7477.93
PT	446103.609	2002017.258							
LINE			N 76°24'21.9" E	426.99					
CURVE			N 76°14'21.4" E	34.93	00°20'01.0"(LT)	00°57'17.7"	34.93	17.47	6000.00
PT	446212.278	2002466.217							
LINE			N 76°04'20.9" E	1450.38					
PC	446561.376	2003873.955							
CURVE			N 71°51'18.5" E	136.05	08°26'04.8"(LT)	06°11'38.9"	136.17	68.21	925.00
PT	446603.744	2004003.239							
LINE			N 67°38'16.1" E	1026.03					
PC	446994.106	2004952.105							
CURVE			N 67°36'23.3" E	21.88	00°03'45.7"(LT)	00°17'11.3"	21.88	10.94	20000.00
PT	447002.442	2004972.335							
LINE			N 67°34'30.5" E	524.58					
PC	447202.553	2005457.245							
CURVE			N 67°40'21.5" E	34.03	00°11'42.0"(RT)	00°34'22.6"	34.03	17.02	10000.00
PT	447215.483	2005488.727							
LINE			N 67°46'12.5" E	1747.11					
PC	447876.455	2007105.981							
CURVE			N 67°26'43.4" E	34.01	00°38'58.2"(LT)	01°54'35.5"	34.01	17.00	3000.00
PT	447889.499	2007137.387							
LINE			N 67°07'14.3" E	139.00					
PC	447943.540	2007265.447							
CURVE			N 63°38'39.3" E	269.83	06°57'09.9"(LT)	02°34'30.3"	270.00	135.17	2225.00
PT	448063.331	2007507.234							
LINE			N 60°10'04.4" E	76.48					
PC	448101.377	2007573.579							
CURVE			N 59°33'23.0" E	85.38	01°13'22.8"(LT)	01°25'56.6"	85.38	42.69	4000.00
PT	448144.638	2007647.188							
LINE			N 58°56'41.6" E	302.98					
PC	448300.936	2007906.745							
CURVE			N 59°07'31.6" E	25.21	00°21'40.0"(RT)	01°25'56.6"	25.21	12.61	4000.00
PT	448313.873	2007928.384							
LINE			N 59°18'21.6" E	1074.67					
P/INC	448862.440	2008852.496							
LINE			N 59°17'01.1" E	1612.69					
PC	449686.184	2010238.939							
CURVE			N 64°29'34.7" E	192.94	10°25'07.0"(RT)	05°23'32.9"	193.21	96.87	1062.52
PT	449686.184	2010238.939							

EY1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	445973.203	1997602.884							
LINE			S 16°57'09.2" W	317.43					
PC	445669.569	1997510.329							
CURVE			S 00°32'39.9" E	180.39	34°59'38.2"(LT)	19°05'54.9"	183.23	94.57	300.00
PT	445489.184	1997512.043							
LINE			S 18°02'29.0" E	195.10					
PC	445303.672	1997572.468							
CURVE			S 09°22'18.3" E	150.74	17°20'21.4"(RT)	11°27'33.0"	151.31	76.24	500.00
PT	445154.947	1997597.014							
LINE			S 00°42'07.6" E	245.67					
PC	444909.298	1997600.024							
CURVE			S 00°58'12.4" E	280.67	00°32'09.7"(LT)	00°11'27.5"	280.67	140.34	30000.00
PT	444628.671	1997604.776							
LINE			S 01°14'17.3" E	123.71					
POT	444504.987	1997607.449							

EY2									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	447244.378	2000711.004							
LINE			S 80°40'30.7" E	138.77					
PC	447221.892	2000847.942							
CURVE			S 80°35'50.0" E	27.22	00°09'21.4"(RT)	00°34'22.6"	27.22	13.61	10000.00
PT	447217.446	2000874.795							
LINE			S 80°31'09.3" E	2247.01					
PC	446847.327	2003091.110							
CURVE			S 80°35'16.4" E	23.96	00°08'14.3"(LT)	00°34'22.6"	23.96	11.98	10000.00
PT	446843.408	2003114.752							
LINE			S 80°39'23.6" E	1381.23					
PC	446619.162	2004477.661							
CURVE			S 80°31'39.0" E	22.53	00°15'29.2"(RT)	01°08'45.3"	22.53	11.26	5000.00
PT	446615.455	2004499.879							
LINE			S 80°23'54.4" E	384.89					
PC	446551.257	2004879.374							
CURVE			S 80°31'16.7" E	21.45	00°14'44.7"(LT)	01°08'45.3"	21.45	10.72	5000.00
PT	446547.726	2004900.528							
LINE			S 80°38'39.1" E	1068.78					
PC	446373.980	2005955.089							
CURVE			S 80°25'11.9" E	39.14	00°26'54.5"(RT)	01°08'45.3"	39.14	19.57	5000.00
PT	446367.467	2005993.679							
LINE			S 80°11'44.6" E	387.72					
PC	446301.445	2006375.735							
CURVE			S 80°24'16.2" E	109.30	00°25'03.0"(LT)	00°22'55.1"	109.30	54.65	15000.00
PT	446283.225	2006483.510							
LINE			S 80°36'47.7" E	1148.10					
POT	446095.972	2007616.240							

EY3									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	447893.123	2007145.975							
LINE			S 22°14'05.6" E	112.20					
PC	447789.264	2007188.433							
CURVE			S 26°27'36.5" E	147.36	08°27'01.9"(LT)	05°43'46.5"	147.49	73.88	1000.00
PT	447657.345	2007254.091							
LINE			S 30°41'07.5" E	694.58					
PC	447060.015	2007608.554							
CURVE			S 08°07'34.0" E	184.44	45°07'07.0"(RT)	23°50'07.8"	189.29	99.86	240.38
PT	446877.429	2007634.625							
LINE			S 14°25'59.5" W	541.48					
PC	446353.042	2007499.661							
CURVE			S 42°02'45.0" W	69.52	55°13'30.9"(RT)	76°23'39.7"	72.29	39.23	75.00
PT	446301.413	2007453.100							

**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.

REVISIONS

I:\JUN\_2017\14701555\_NCDOT\_U3422.RW Staking\_Cumberland\SURVEY\WORK\RW\RM SERIES SHEETS\U3422\_1s\_rw02d-1.dgn  
 15 JUN 2017 14:42  
 Jmatthews

# PROPOSED ALIGNMENT CONTROL SHEET

D1

TYPE	STATION	NORTH	EAST
POT	10+00.00	446707.6340	2003512.5039
PC	10+70.98	446757.4957	2003563.0224
PT	11+12.27	446769.6214	2003600.9205
POT	13+50.00	446731.8566	2003835.6317

D2

TYPE	STATION	NORTH	EAST
POT	10+00.00	446446.9493	2004598.2478
PC	10+53.74	446500.5161	2004602.6198
PT	11+95.67	446631.3671	2004652.5050
POT	12+00.00	446634.8248	2004655.1173

L

TYPE	STATION	NORTH	EAST
POT	9+24.80	442960.5071	1992872.2943
TS	16+73.12	443522.6548	1993366.2352
SC	19+73.12	443742.3956	1993570.3408
CS	26+63.20	444116.2153	1994145.4285
ST	29+13.20	444199.5034	1994381.0906
PC	31+83.44	444283.6657	1994637.8929
PRC	34+99.76	444386.9153	1994936.8733
PT	38+22.06	444492.0266	1995241.5397
PC	84+01.81	445915.7056	1999594.3756
PT	88+58.22	445989.9193	2000042.9294
PC	101+00.28	446004.6112	2001284.9103
PT	107+76.57	446088.4435	2001954.5416
PC	114+82.88	446254.4541	2002641.0658
PT	120+78.18	446402.9604	2003217.5123
PC	126+63.17	446557.3173	2003781.7730
PT	132+67.97	446751.7529	2004354.0830
PC	162+65.19	447885.6697	2007128.5264
PT	167+09.54	448083.5705	2007525.9211
PC	197+16.22	449619.3483	2010110.7852
PCC	201+10.56	449782.1767	2010469.0682
PT	205+21.41	449827.6114	2010874.4996
POT	209+19.99	449790.2686	2011271.3284

Y1

TYPE	STATION	NORTH	EAST
POT	17+57.10	445259.1450	1997586.9705
PC	19+93.80	445484.2111	1997513.6637
PT	21+89.88	445677.2279	1997512.0218
POT	24+99.49	445973.2022	1997602.8851

Y2

TYPE	STATION	NORTH	EAST
POT	10+00.00	444804.9280	1997601.3258
PC	12+18.89	445023.7792	1997597.3532
PT	14+05.97	445210.3952	1997585.2211
POT	14+52.73	445256.8681	1997580.0089

Y3

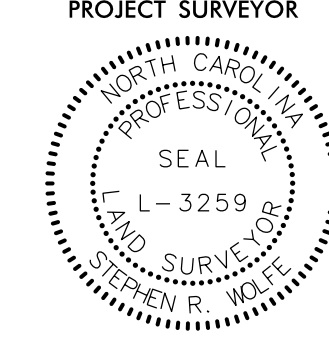
TYPE	STATION	NORTH	EAST
POT	10+00.00	447244.3779	2000711.0039
PC	36+34.91	446811.2772	2003310.0735
PT	40+61.90	446540.3257	2003610.1449
POT	40+90.80	446512.4532	2003617.7696

Y4

TYPE	STATION	NORTH	EAST
PC	10+00.00	445912.7284	2003614.0325
PT	11+14.00	446026.4832	2003619.6401
POT	15+99.97	446512.4440	2003617.7361

Y5

TYPE	STATION	NORTH	EAST
POT	10+00.00	446806.9178	2004489.0594
PC	11+65.60	446684.5267	2004600.6137
PT	14+32.78	446559.3283	2004831.0413
POT	48+00.00	446010.4732	2008153.2242

PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW02D-1
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, STEPHEN R. WOLFE, 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 19th day of June, 2023.

DocuSigned by:  
  
 3086875F3940448

Professional Land Surveyor L-3259

**NOTES:**

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE PROPOSED ALIGNMENT 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.





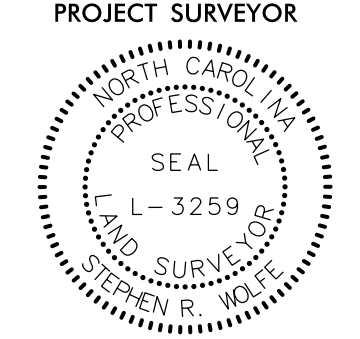








# PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW03E-4
<b>Location and Surveys</b>	
<b>JoynerKeeny, PLLC</b> 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 <b>North Carolina Firm Number P-0551</b>	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
D2	10+57.00	29.80	446500.9495	2004632.5723
D2	10+57.00	39.00	446500.0021	2004641.7319
D2	10+75.00	39.00	446515.1525	2004643.7064
D2	10+82.00	-32.10	446534.6784	2004574.9995
D2	10+82.00	-61.00	446540.2510	2004546.6420
D2	11+03.00	-67.24	446567.3353	2004546.7444

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	65+86.00	-58.00	445406.3624	1997850.5046
L	66+13.00	58.79	445303.7563	1997912.4714
L	66+13.00	75.00	445288.3453	1997917.5118
L	66+13.00	-58.00	445414.7557	1997876.1669
L	66+13.00	-77.00	445432.8144	1997870.2605
L	67+28.00	57.95	445340.2953	1998021.5154
L	67+28.00	75.00	445324.0947	1998026.8141
L	67+55.00	57.76	445348.8740	1998047.1170
L	67+55.00	75.00	445332.4881	1998052.4764
L	68+84.00	56.83	445389.8613	1998169.4359
L	68+84.00	75.00	445372.5896	1998175.0850
L	68+86.00	-45.78	445488.0072	1998139.4397
L	68+86.00	-68.00	445509.1262	1998132.5323
L	69+13.00	-45.00	445495.6591	1998165.3444
L	69+13.00	-68.00	445517.5196	1998158.1945
L	69+15.00	75.00	445382.2264	1998204.5490
L	69+15.00	56.60	445399.7109	1998198.8304
L	69+15.00	78.00	445379.3750	1998205.4816
L	69+35.00	70.00	445393.1959	1998222.0038
L	69+35.00	78.00	445385.5923	1998224.4907
L	69+75.00	56.17	445418.7747	1998255.7229
L	71+28.00	-45.00	445562.4987	1998369.6909
L	71+28.00	-68.00	445584.3554	1998362.5422
L	71+53.00	-68.00	445592.1270	1998386.3035
L	71+53.00	-45.00	445570.2666	1998393.4534
L	71+85.00	-45.00	445580.2143	1998423.8680
L	72+10.00	54.43	445493.4826	1998478.5385
L	72+10.00	61.00	445487.2377	1998480.5809
L	72+31.00	-68.00	445616.3745	1998460.4390
L	72+40.00	54.26	445502.9733	1998506.9982
L	72+40.00	61.00	445496.5637	1998509.0946
L	72+52.00	-65.00	445620.0513	1998481.3311
L	72+52.00	-71.00	445625.7540	1998479.4659
L	76+63.00	-45.00	445728.8075	1998878.1851
L	76+63.00	-66.00	445748.7670	1998871.6569
L	76+63.00	-77.00	445759.2220	1998868.2374
L	76+84.00	52.45	445642.7091	1998928.4399
L	76+84.00	68.00	445627.9343	1998933.2723
L	77+25.00	95.00	445615.0174	1998980.6343
L	77+95.00	100.00	445632.0257	1999048.7204
L	78+40.00	67.00	445677.3796	1999081.2323
L	79+01.00	-77.00	445833.2077	1999094.4456
L	79+37.00	45.00	445728.4434	1999166.5874
L	79+60.00	-63.00	445838.2424	1999154.8745
L	79+60.00	-45.00	445821.1342	1999160.4700
L	79+81.00	65.00	445723.1124	1999214.6246
L	79+95.00	553.00	445263.6428	1999379.6328
L	80+02.00	62.00	445732.4919	1999233.6516
L	80+02.00	68.00	445726.7892	1999235.5168
L	80+30.00	627.00	445204.1894	1999435.9027
L	82+59.00	407.00	445484.4773	1999585.1666
L	82+83.00	69.00	445813.1916	1999502.9053
L	82+83.00	62.00	445819.8448	1999500.7292
L	82+92.00	510.00	445396.8391	1999648.5506
L	83+20.00	522.00	445394.1378	1999678.8937
L	84+15.00	45.46	445876.4201	1999620.6853
L	84+83.00	-45.00	445982.3101	1999660.5374
L	85+06.00	-71.00	446013.4830	1999677.1174
L	85+20.00	46.22	445903.0585	1999718.9103
L	85+25.00	-74.00	446021.1373	1999695.7493
L	87+08.00	-63.00	446043.2360	1999886.0235
L	87+08.00	-45.00	446025.3487	1999888.0348
L	87+08.00	-77.00	446057.1483	1999884.4592
L	87+69.00	-45.00	446031.0980	1999950.5969
L	87+69.00	-77.00	446063.0167	1999948.3170
L	89+16.00	-74.00	446064.5976	2000099.8334
L	89+16.00	-45.00	446035.5996	2000100.1764
L	89+42.00	-45.00	446035.9072	2000126.1746
L	89+42.00	-74.00	446064.9051	2000125.8316
L	89+84.00	51.00	445940.4081	2000169.3073
L	90+08.00	67.00	445924.6931	2000193.4948
L	91+27.00	-65.00	446058.0941	2000310.9251
L	91+27.00	-45.00	446038.0955	2000311.1617
L	91+53.00	-65.00	446058.4016	2000336.9233
L	91+53.00	-45.00	446038.4030	2000337.1599
L	92+12.00	-64.00	446058.0996	2000395.9310
L	92+12.00	-45.00	446039.1009	2000396.1557
L	92+38.00	-64.00	446058.4071	2000421.9292
L	92+38.00	-45.00	446039.4084	2000422.1539
L	93+40.00	-63.00	446058.6137	2000523.9339
L	93+40.00	-45.00	446040.6149	2000524.1468

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DID NOT SET, FELL UNDER CARPORT

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	34+42.00	70.00	444301.4237	1994906.0373
L	34+47.00	59.50	444313.0028	1994907.2480
L	34+61.00	78.00	444300.3374	1994926.7540
L	34+70.00	59.05	444321.2369	1994928.8742
L	35+03.00	-77.94	444461.2908	1994913.3373
L	35+12.00	-92.00	444477.5990	1994917.0832
L	35+40.00	-65.22	444461.9700	1994952.7070
L	35+40.00	-76.00	444472.1135	1994949.0696
L	36+10.00	65.00	444362.6342	1995062.2086
L	36+10.00	56.24	444370.8999	1995059.3097
L	36+88.00	65.57	444387.4530	1995135.6194
L	38+10.86	66.00	444425.8317	1995251.4829
L	38+47.00	-67.00	444563.4588	1995244.4126
L	38+47.00	-45.00	444542.5488	1995251.2516
L	38+77.00	-67.00	444572.7848	1995272.9262
L	38+77.00	-45.00	444551.8748	1995279.7652
L	39+40.00	-45.00	444571.4592	1995339.6439
L	39+40.00	-67.00	444592.3692	1995332.8048
L	39+70.00	-45.00	444580.7852	1995368.1575
L	39+70.00	-67.00	444601.6952	1995361.3185
L	40+07.00	-64.00	444610.3458	1995397.4179
L	40+07.00	-45.00	444592.2871	1995403.3243
L	40+17.00	45.00	444509.8549	1995440.8066
L	40+17.00	66.45	444489.4659	1995447.4752
L	40+37.00	-45.00	444601.6131	1995431.8379
L	40+37.00	-64.00	444619.6717	1995425.9315
L	40+45.00	45.00	444518.5591	1995467.4194
L	40+45.00	66.57	444498.0542	1995474.1259
L	42+42.00	-59.00	444678.6466	1995622.3289
L	42+55.00	-45.00	444669.3815	1995639.0370
L	42+57.00	-68.00	444691.8637	1995633.7880
L	42+78.00	-45.00	444676.5314	1995660.8974
L	45+85.00	-69.00	444794.7777	1995945.2261
L	45+85.00	-45.00	444771.9668	1995952.6869
L	46+02.00	69.00	444668.8997	1996004.2831
L	46+25.00	-45.00	444784.4014	1995990.7050
L	46+25.00	-69.00	444807.2123	1995983.2443
L	48+09.00	74.00	444728.4963	1996202.5815
L	48+09.00	79.00	444723.7441	1996204.1358
L	48+30.00	79.00	444730.2722	1996224.0953
L	48+30.00	74.00	444735.0245	1996222.5410
L	50+25.00	-45.00	444908.7471	1996370.8867
L	50+25.00	-70.00	444932.5085	1996363.1151
L	50+50.00	-70.00	444940.2801	1996386.8765
L	50+91.00	-45.00	444929.2642	1996433.6167
L	50+91.00	-64.00	444947.3228	1996427.7103
L	51+71.00	-66.00	444974.0929	1996503.1249
L	51+71.00	-45.00	444954.1333	1996509.6531
L	51+72.00	80.00	444835.6374	1996549.4616
L	51+72.00	58.00	444856.5474	1996542.6226
L	51+72.00	74.00	444841.3401	1996547.5964
L	51+93.42	-66.00	444981.0627	1996524.4348
L	51+98.00	81.00	444842.7694	1996574.4842
L	51+98.22	74.00	444849.4898	1996572.5135
L	52+14.83	74.00	444854.6536	1996588.3019
L	52+93.89	73.00	444880.1810	1996663.1337
L	57+31.00	-77.00	445158.6319	1997031.9598
L	57+31.00	-51.75	445134.6330	1997039.8091
L	57+40.00	72.00	445019.8120	1997086.8327
L	57+53.00	-58.00	445147.4123	1997058.7762
L	57+53.00	-77.00	445165.4710	1997052.8698
L	58+28.00	82.00	445037.6636	1997173.5813
L	58+28.00	76.00	445043.3663	1997171.7161
L	58+48.00	77.00	445048.6331	1997191.0361
L	58+48.00	82.00	445043.8808	1997192.5904
L	60+10.00	-59.00	445228.2549	1997302.7321
L	60+10.00	-46.55	445216.4214	1997306.6025
L	60+36.00	-45.00	445223.0310	1997331.7960
L	60+36.00	-59.00	445236.3374	1997327.4439
L	61+33.00	-48.33	445256.3531	1997422.9539
L	61+33.00	-62.00	445269.3426	1997418.7054
L	61+37.51	77.00	445138.6301	1997466.1979
L	61+52.00	-68.00	445280.9518	1997434.8988
L	61+58.00	-50.37	445266.0565	1997446.0834
L	64+61.61	66.14	445249.7066	1997770.8680
L	64+61.61	75.00	445241.2837	1997773.6229
L	65+29.00	75.00	445262.2327	1997837.6737
L	65+86.00	58.98	445295.1782	1997886.8695
L	65+86.00	75.00	445279.9520	1997891.8496
L	65+86.00	-77.00	445424.4210	1997844.5982

FELL INSIDE PINE TREE

DID NOT SET, INSIDE GREENHOUSE

PAINTED DOT ON CONC DRIVE

PAINTED DOT ON CONC

ON STEPS OF IN GROUND POOL

PAINT DOT

PK NAIL SET

PAINT DOT ON CONC

REVISIONS

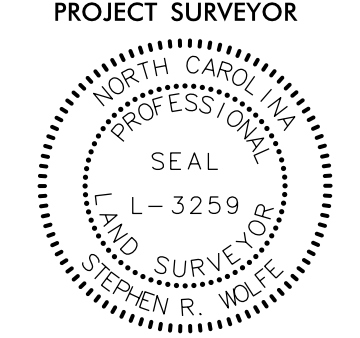
I, STEPHEN R. WOLFE, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio







# PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW03E-6
<b>Location and Surveys</b>	
<b>JoynerKeeny, PLLC</b> 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

ROW MARKER PERMANENT EASEMENT-E					
ALIGN	STATION	OFFSET	NORTH	EAST	
L	151+38.00	-45.00	447500.8830	2006068.0925	
L	153+75.00	-95.00	447636.8293	2006268.5610	
L	153+75.00	-45.00	447590.5456	2006287.4772	
L	154+05.00	-45.00	447601.8953	2006315.2474	
L	154+05.00	-95.00	447648.1790	2006296.3312	
L	154+78.00	290.00	447319.4123	2006509.5599	
L	154+97.00	319.00	447299.7559	2006539.1190	
L	155+55.00	45.00	447575.3332	2006488.1475	
L	155+55.00	286.00	447352.2459	2006579.3234	
L	155+55.00	72.00	447550.3400	2006498.3622	
L	155+85.00	316.00	447335.8254	2006618.4433	
L	155+85.00	45.00	447586.6829	2006515.9177	
L	155+85.00	72.00	447561.6897	2006526.1324	
L	156+07.00	72.00	447570.0128	2006546.4973	
L	156+12.00	89.00	447556.1680	2006557.5571	
L	156+28.00	68.00	447581.6603	2006564.4231	
L	156+31.00	84.00	447567.9845	2006573.2533	
L	156+53.00	53.00	447605.0035	2006581.8901	
L	156+66.00	45.00	447617.3271	2006590.8973	
L	157+99.00	-82.00	447785.2046	2006665.9648	
L	158+18.00	-87.00	447797.0211	2006681.6610	
L	158+22.00	-70.00	447782.7980	2006691.7952	
L	159+20.00	-72.00	447821.7250	2006781.7545	
L	159+20.00	-58.00	447808.7656	2006787.0510	
L	159+44.00	-58.00	447817.8453	2006809.2672	
L	159+44.00	-72.00	447830.8048	2006803.9707	
L	161+95.00	-87.00	447939.6490	2007030.6399	
L	161+95.00	-71.00	447924.8382	2007036.6930	
L	162+15.00	-87.00	447947.2155	2007049.1533	
L	162+23.00	-58.03	447923.4269	2007067.5181	
L	162+23.00	-82.00	447945.6137	2007058.4503	
L	162+30.13	65.00	447812.2388	2007120.6680	
L	162+44.00	114.00	447772.1265	2007152.0409	
L	162+47.00	-82.00	447954.6935	2007080.6665	
L	162+47.00	-58.03	447932.5090	2007089.7352	
L	162+47.00	-71.00	447944.5111	2007084.8281	
L	162+59.17	111.00	447780.6431	2007164.9493	
L	162+87.00	-78.00	447965.9806	2007118.6524	
L	164+03.00	-77.00	448010.5818	2007222.4787	
L	164+03.00	-87.00	448019.6551	2007218.2744	
L	164+21.00	-65.00	448007.1456	2007243.4795	
L	164+26.00	-81.00	448023.6977	2007241.0657	
L	164+56.00	-45.00	448003.9134	2007283.1030	
L	165+82.00	88.00	447943.2782	2007456.6155	
L	165+94.00	46.02	447986.0438	2007447.4428	
L	166+01.00	94.00	447947.3330	2007476.6851	
L	166+15.00	46.57	447995.8062	2007466.4088	
L	170+32.00	-74.00	448311.8973	2007765.3433	
L	170+32.00	-45.00	448286.9656	2007780.1556	
L	171+25.00	-287.00	448542.5181	2007736.4981	
L	171+37.00	-79.00	448369.8286	2007853.0585	
L	171+37.00	-53.96	448348.2979	2007865.8508	
NOT SET, FELL ON EIP	L	171+53.17	-305.79	448573.0592	2007751.1224
	L	171+76.83	-365.35	448636.3555	2007741.0374
	L	171+88.00	-206.00	448505.0616	2007832.0334
	L	172+23.02	-483.36	448761.3921	2007720.4667
PK NAIL SET	L	172+44.00	87.00	448281.7717	2008029.8380
PK NAIL SET	L	172+45.00	-303.00	448617.5680	2007831.4903
	L	172+66.00	96.00	448285.2717	2008053.3486
	L	172+97.00	-451.00	448771.3656	2007800.5983
	L	173+21.00	-79.00	448463.8137	2008011.2445
	L	173+34.00	-45.00	448441.2239	2008039.7875
	L	173+47.00	-67.00	448466.7777	2008039.7264
	L	176+46.00	-45.00	448600.5898	2008308.0160
	L	176+46.00	-63.00	448616.0645	2008298.8218
	L	176+76.21	-63.00	448631.4951	2008324.7930
	L	177+09.00	45.00	448555.3959	2008408.1484
	L	177+25.00	92.00	448523.1623	2008445.9108
	L	177+56.00	45.00	448579.4029	2008448.5546
	L	177+56.00	86.00	448544.1550	2008469.4969
	L	178+13.00	-45.00	448685.8915	2008451.5870
	L	178+17.00	-55.00	448696.5317	2008449.9179
	L	178+17.00	-72.00	448711.1467	2008441.2345
	L	178+36.00	-79.00	448726.8696	2008453.9934
PAINTED DOT	L	178+37.00	45.00	448620.7768	2008518.1909
	L	178+43.00	-63.00	448716.6898	2008468.1840
	L	178+46.00	101.00	448577.2303	2008554.5324
	L	178+65.04	101.00	448586.9547	2008570.8994
	L	180+98.00	65.00	448736.8984	2008752.7900
	L	180+98.00	45.00	448754.0925	2008742.5743
	L	181+15.00	-63.00	448855.6242	2008702.0241
	L	181+20.00	-79.00	448871.9335	2008698.1501
	L	181+25.00	65.00	448750.6897	2008776.0021
	L	181+25.00	45.00	448767.8838	2008765.7863
	L	181+39.00	-73.00	448876.4802	2008717.5492
	L	181+50.00	-45.00	448858.0271	2008741.3081
	L	182+74.23	87.00	448808.0002	2008915.5320
	L	182+78.00	75.00	448820.2432	2008912.6451
	L	182+87.99	-78.00	448956.8821	2008843.0846
	L	182+92.00	45.00	448853.1871	2008909.3602

ROW MARKER PERMANENT EASEMENT-E					
ALIGN	STATION	OFFSET	NORTH	EAST	
L	182+92.00	75.00	448827.3934	2008924.6796	
L	183+05.00	-54.00	448944.9366	2008869.9655	
L	183+05.00	-75.00	448962.9905	2008859.2389	
L	183+17.00	-45.00	448943.3287	2008894.8791	
L	184+10.00	75.00	448887.6673	2009026.1264	
L	184+13.00	81.00	448884.0414	2009031.7702	
L	184+31.00	88.00	448887.2176	2009050.8204	
L	184+38.00	72.00	448904.5485	2009048.6658	
L	184+51.00	72.00	448911.1887	2009059.8420	
L	184+51.00	45.00	448934.4008	2009046.0507	
L	184+58.00	-45.00	449015.3499	2009006.0977	
PAINTED DOT ON CONC	L	184+58.00	-64.00	449031.6843	2008996.3927
PAINTED DOT ON CONC	L	184+72.00	-64.00	449038.8354	2009008.4286
	L	184+79.00	72.00	448925.4908	2009083.9137
	L	184+79.00	45.00	448948.7029	2009070.1225
	L	184+80.00	-81.00	449057.5367	2009006.6228
PAINTED DOT ON CONC	L	184+97.00	-45.00	449035.2706	2009039.6262
PAINTED DOT ON CONC	L	184+97.00	-74.00	449060.2021	2009024.8134
	L	185+87.73	72.00	448981.0284	2009177.3890
	L	186+47.70	67.00	449015.9618	2009226.3965
	L	186+66.00	67.00	449025.3067	2009242.1249
	L	186+66.00	45.00	449044.2203	2009230.8876
	L	188+03.00	72.00	449090.9862	2009362.4587
	L	188+21.00	80.00	449093.3027	2009382.0197
	L	188+29.00	65.00	449110.2846	2009381.2355
PAINTED DOT ON CONC	L	189+02.00	45.00	449164.7663	2009433.7783
PAINTED DOT ON CONC	L	189+02.00	65.00	449147.5722	2009443.9941
	L	189+30.00	45.00	449179.0681	2009457.8503
	L	189+30.00	65.00	449161.8742	2009468.0659
	L	190+16.00	66.00	449204.9423	2009542.5114
	L	190+21.00	83.00	449192.8812	2009555.4934
	L	190+38.00	47.06	449232.4600	2009551.7521
PK NAIL SET IN ASPHALT	L	190+41.00	77.00	449208.2552	2009569.6228
PK NAIL SET IN ASPHALT	L	190+54.00	69.00	449221.7731	2009576.7126
	L	191+24.00	68.00	449258.3880	2009636.3813
	L	191+24.00	50.41	449273.5101	2009627.3966
PK NAIL SET IN ASPHALT	L	191+40.00	-59.97	449376.5770	2009584.7712
PK NAIL SET IN ASPHALT	L	191+52.00	-89.00	449407.6640	2009580.2593
PK NAIL SET IN ASPHALT	L	191+57.00	-72.00	449395.6030	2009593.2413
PK NAIL SET IN ASPHALT	L	191+71.00	-95.00	449422.5272	2009593.5290
PK NAIL SET IN ASPHALT	L	191+77.00	-78.00	449410.9770	2009607.3707
PK NAIL SET IN CONC	L	193+00.00	57.26	449357.5196	2009782.2041
PK NAIL SET IN CONC	L	193+11.00	80.00	449343.5890	2009803.2759
	L	194+75.00	63.81	449441.2731	2009936.0003
PK NAIL SET IN ASPHALT	L	197+92.00	73.03	449592.3706	2010211.3561
PK NAIL SET IN ASPHALT	L	197+92.00	87.00	449580.0737	2010217.9785
PK NAIL SET IN ASPHALT	L	197+96.00	-74.00	449723.7953	2010145.3084
	L	198+13.00	87.00	449589.4468	2010235.6290
	L	198+13.00	73.61	449601.3049	2010229.4202
	L	200+19.00	-67.00	449813.9512	2010358.7395
PAINTED DOT ON HOOD OF CATCH BASIN	L	200+70.00	-76.00	449840.7604	2010405.3635
	L	200+88.00	-68.11	449839.4564	2010425.6362

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	18+77.51	45.00	445387.5691	1997592.4676
Y1	19+93.80	44.00	445497.8378	1997555.5004
Y1	21+00.00	40.00	445588.0709	1997537.9712
Y1	21+57.00	-41.00	445653.3042	1997463.7804
Y1	21+83.00	40.00	445659.7149	1997548.5555
Y1	21+83.00	56.00	445655.3492	1997563.9484
Y1	22+18.00	40.00	445692.3700	1997558.5129
Y1	22+18.00	52.00	445688.8483	1997569.9845
Y1	22+50.00	-40.00	445746.4392	1997491.4270
Y1	24+15.00	-40.00	445904.1736	1997539.8510
Y1	24+15.00	-29.83	445901.1898	1997549.5700
Y1	24+15.00	30.17	445883.5811	1997606.9281
Y1	24+15.00	40.00	445880.6952	1997616.3282

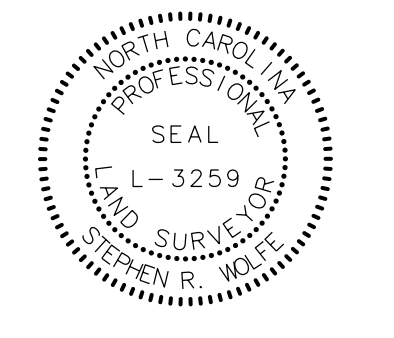
ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+76.30	52.00	444982.1449	1997650.1175
Y2	12+19.00	48.00	445024.7658	1997645.3432
Y2	12+19.00	40.01	445024.6203	1997637.3532
Y2	12+57.00	-28.61	445060.8125	1997567.7065
Y2	12+94.00	-54.00	445095.7855	1997539.8696
Y2	13+16.00	42.47	445123.6262	1997635.6133
Y2	13+58.00	65.00	445168.3628	1997654.7453







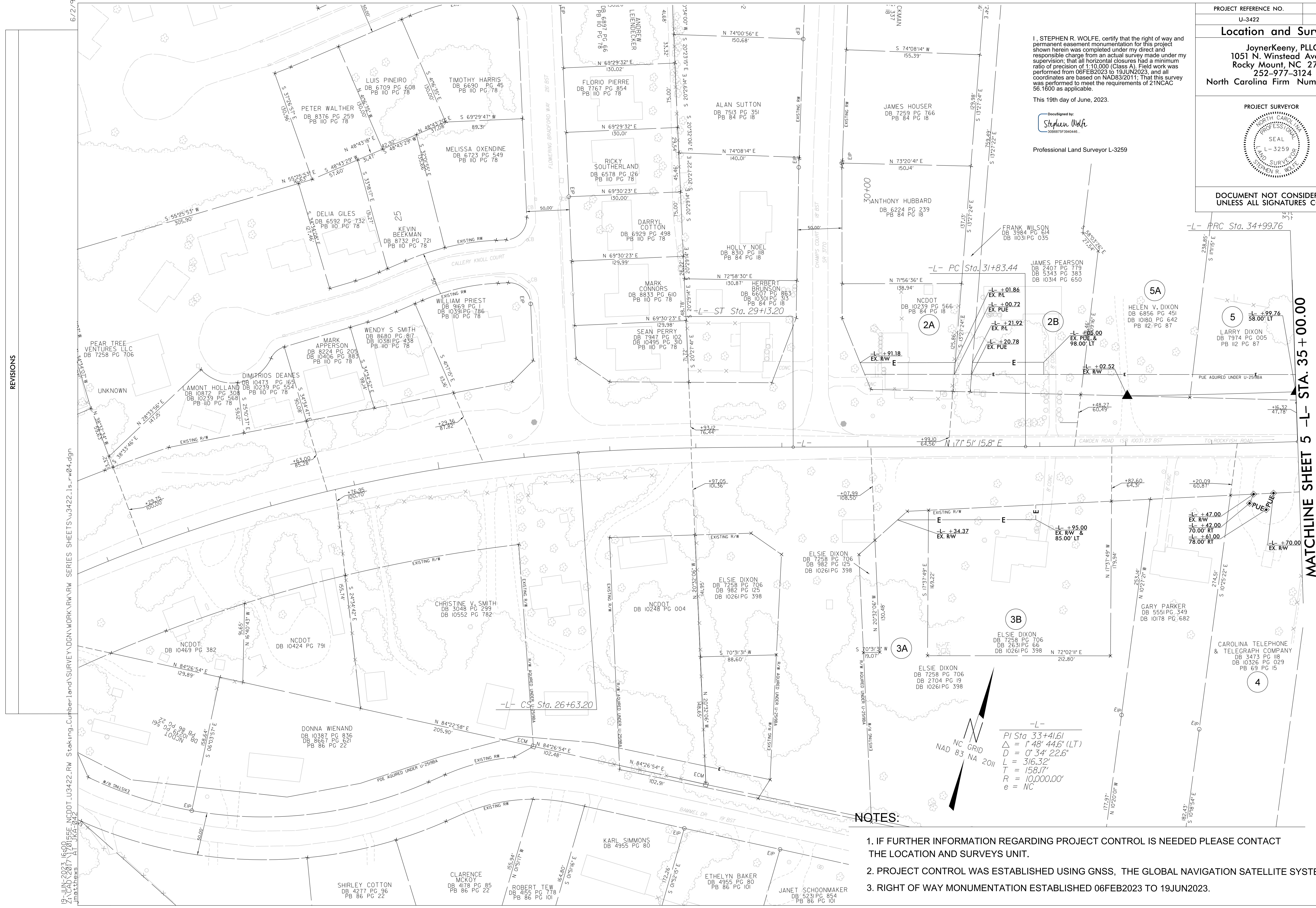
6/2/2023

PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW04
<b>Location and Surveys</b>	
Joyner Keeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, STEPHEN R. WOLFE, 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 06FEB2023 to 19JUN2023, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 19th day of June, 2023.

Designed by:  
  
 Professional Land Surveyor L-3259



REVISIONS

2 JUN 2023 16:00 NCDOT\_U3422.RW Staking\_Cumberland\SURVEY\DGN\WORK\RM\RM SERIES SHEETS\_U3422.ls\_rw04.dgn  
 2 JUN 2023 16:00 NCDOT\_U3422.RW Staking\_Cumberland\SURVEY\DGN\WORK\RM\RM SERIES SHEETS\_U3422.ls\_rw04.dgn  
 2 JUN 2023 16:00 NCDOT\_U3422.RW Staking\_Cumberland\SURVEY\DGN\WORK\RM\RM SERIES SHEETS\_U3422.ls\_rw04.dgn

MATCHLINE SHEET 5 -L- STA. 35 + 00.00

**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 06FEB2023 TO 19JUN2023.

-L-  
 PI Sta 33+41.61  
 Δ = 1' 48" 44.6" (LT)  
 D = 0' 34" 22.6"  
 L = 316.32'  
 T = 158.17'  
 R = 10,000.00'  
 e = NC

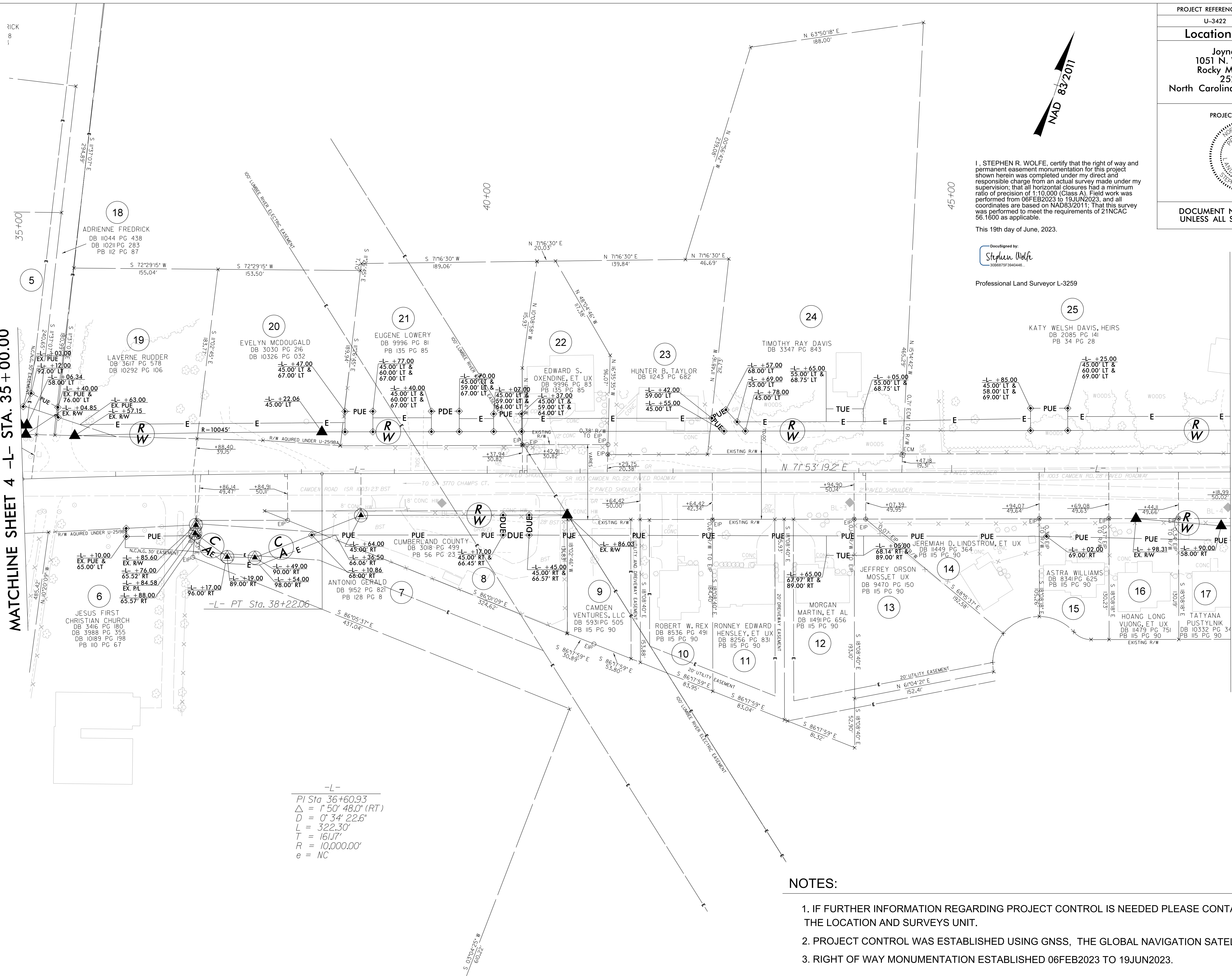


3252022: PARCELS 6-9,21 PUE REVISED; PARCELS 12,13,24 TUE ADDED; PARCELS 19-20, 22-24 PUE REMOVED AND TCE ADDED; PARCEL 21 DUE REMOVED AND PDE ADDED; PARCEL 25 PUE REVISED AND TCE ADDED

2: JUN 2023 15:07 00155E NCDOT\_U3422.RW Staking-Cumberland\SURVEY\WORK\RM\RM SERIES SHEETS\_U3422\_1.s\_rw05.dgn  
2: JUN 2023 15:07 00155E NCDOT\_U3422.RW Staking-Cumberland\SURVEY\WORK\RM\RM SERIES SHEETS\_U3422\_1.s\_rw05.dgn  
AT: JKA-042  
matthews

MATCHLINE SHEET 4 -L- STA. 35 + 00.00

MATCHLINE SHEET 6 -L- STA. 48 + 00.00



-L-  
 PI Sta 36+60.93  
 $\Delta = 1^{\circ} 50' 48.0''$  (RT)  
 $D = 0^{\circ} 34' 22.6''$   
 $L = 322.30'$   
 $T = 161.17'$   
 $R = 10,000.00'$   
 $e = NC$

I, STEPHEN R. WOLFE, 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 06FEB2023 to 19JUN2023, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 19th day of June, 2023.

Designed by:  
 Stephen Wolfe  
 3086975940446

Professional Land Surveyor L-3259



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

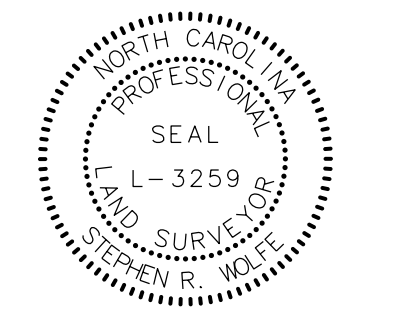
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 06FEB2023 TO 19JUN2023.





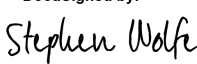


PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW07
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
PROJECT SURVEYOR	
	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, STEPHEN R. WOLFE, 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 06FEB2023 to 19JUN2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 19th day of June, 2023.

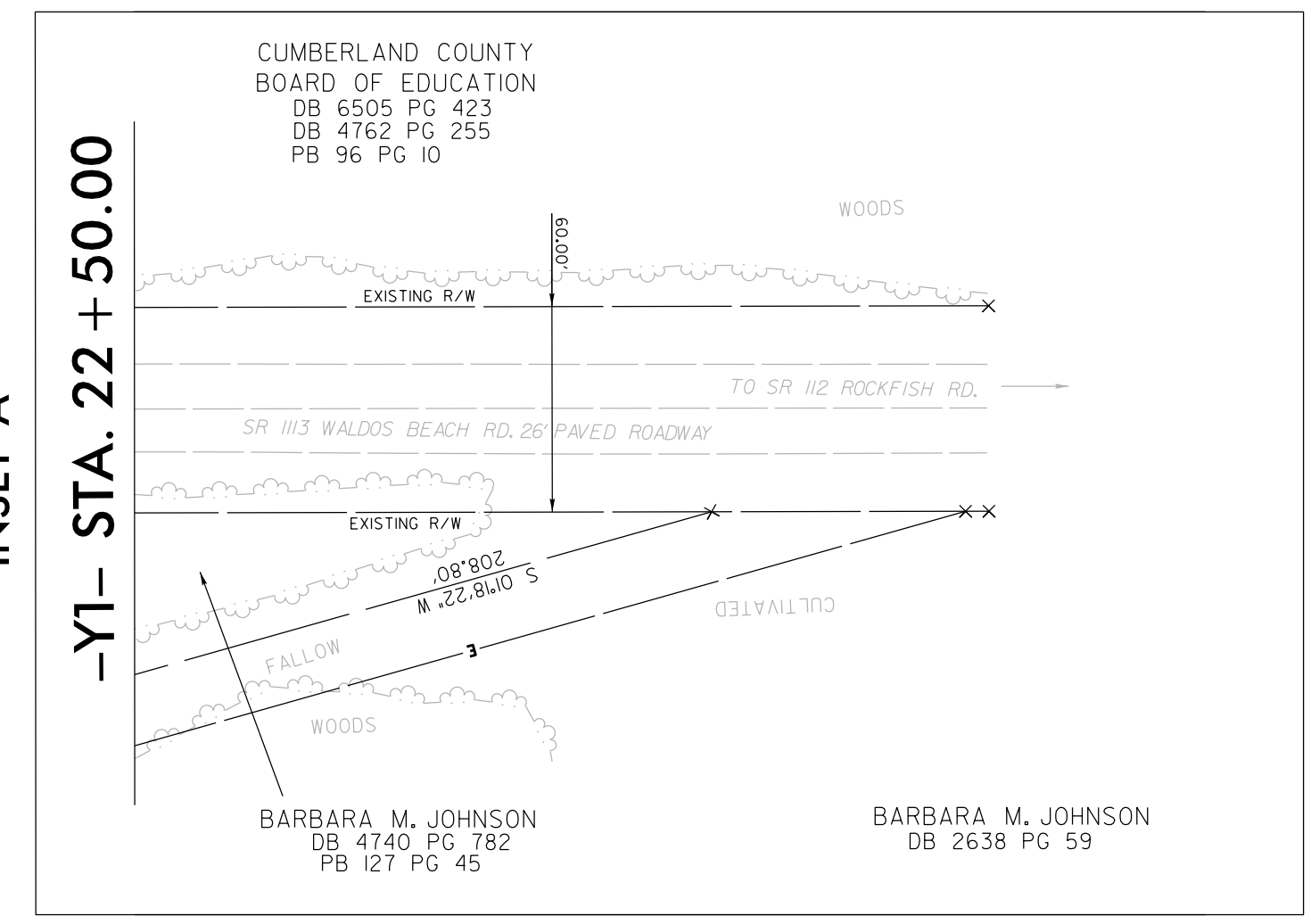
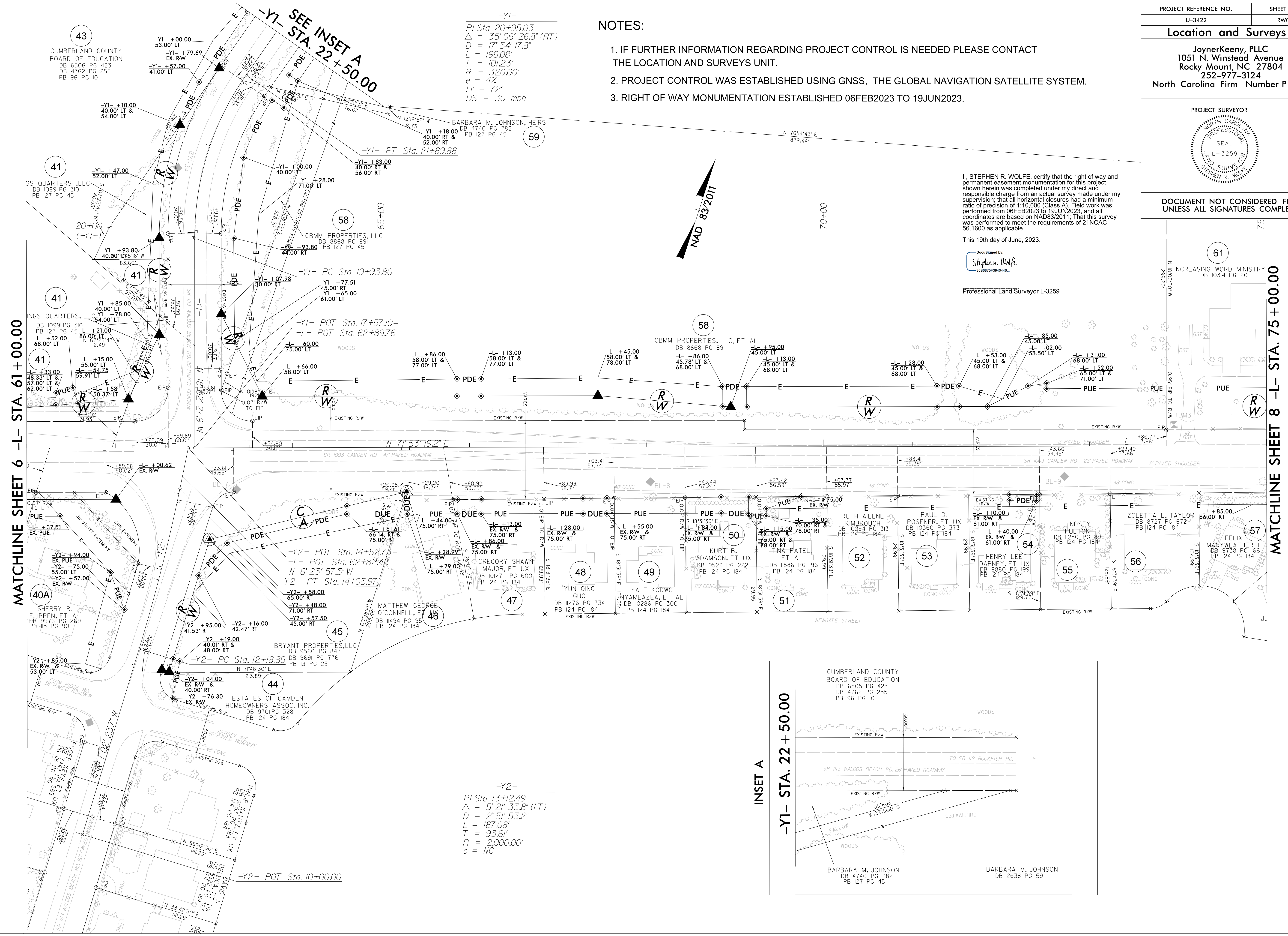
DocuSigned by:  
  
 Stephen Wolfe  
 3086875F394044E  
 Professional Land Surveyor L-3259

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 06FEB2023 TO 19JUN2023.

-Y1-  
 PI Sta 20+95.03  
 $\Delta = 35^{\circ}06'26.8''$  (RT)  
 $D = 17^{\circ}54'17.8''$   
 $L = 196.08'$   
 $T = 101.23'$   
 $R = 320.00'$   
 $e = 4'$   
 $Lr = 72'$   
 $DS = 30$  mph

-Y2-  
 PI Sta 13+12.49  
 $\Delta = 5^{\circ}21'33.8''$  (LT)  
 $D = 2^{\circ}51'53.2''$   
 $L = 187.08'$   
 $T = 93.61'$   
 $R = 2,000.00'$   
 $e = NC$



REVISIONS

3252022: PARCELS 40A, 41, 45, 46, 60 PUE REVISED; PARCELS 45, 46 DUE ADDED; PARCELS 45, 59, 62 PDE REVISED; PARCEL 60 DUE REMOVED; PARCEL 60 PDE ADDED  
 15/2023: PARCELS 42, 42A, AND 42B CHANGED TO PARCEL 41  
 31/2023: PARCELS 62, 70, 71, 72, AND 80 CHANGED TO PARCEL 58  
 321/2023: PARCEL 60 CHANGED TO PARCEL 58  
 21 JUN 2023: 1:00 PM 55E NCDOT U3422.RW Staking-Cumberland\SURVEY\WORK\RM\RM SERIES SHEETS\U3422.1.s.rw07.dgn  
 J.Matthews

MATCHLINE SHEET 6 -L- STA. 61+00.00

MATCHLINE SHEET 8 -L- STA. 75+00.00

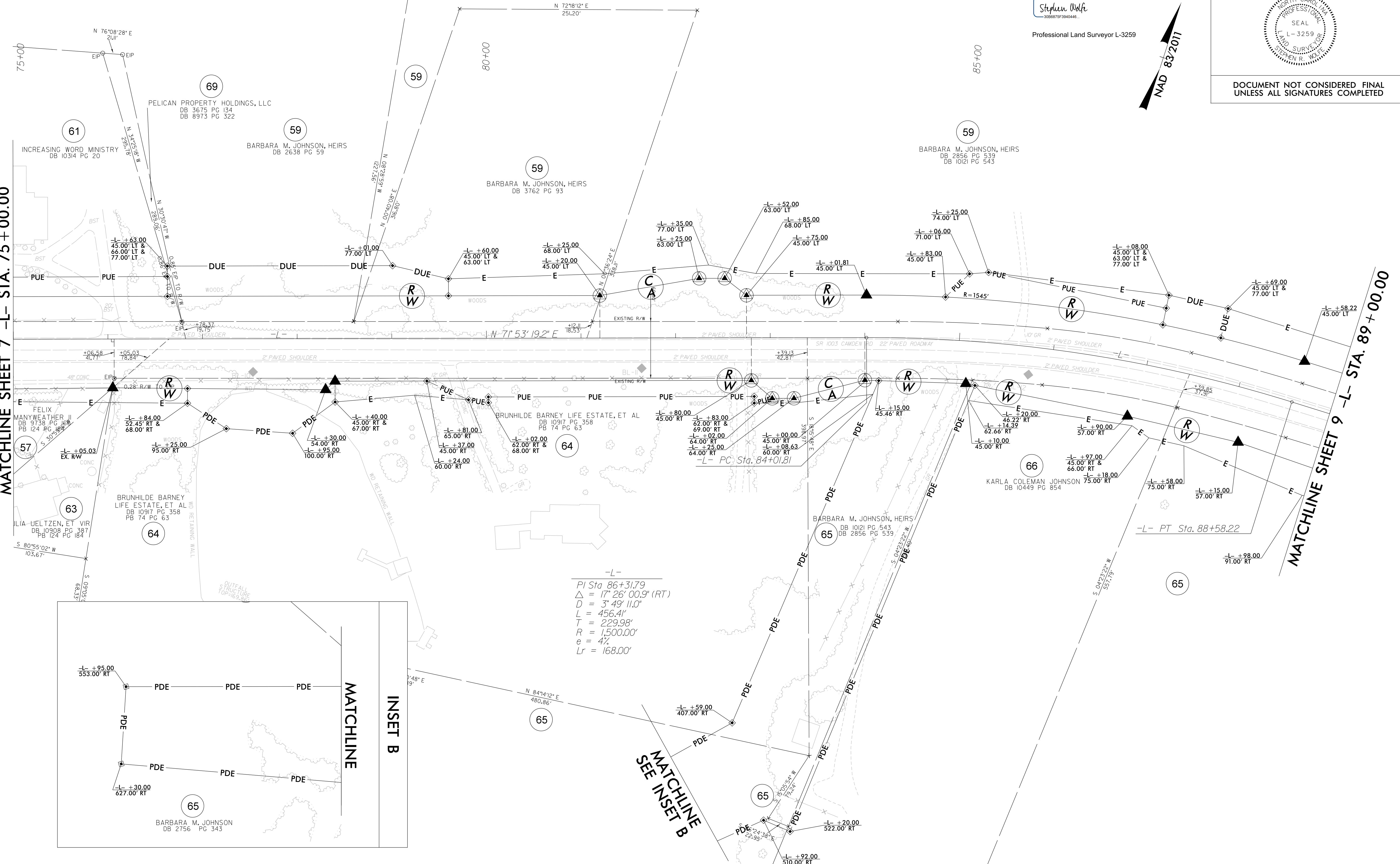


REVISIONS

9/30/2021: PARCEL OWNER ADDED; PARCEL 68  
3/25/2022: PARCEL 71 PUE, DUE AND TCE REVISED; PARCELS 64-67 & 71 ROW REVISED; PARCELS 65-66 PDE REVISED; PARCELS 64-67 & 71-72 TCE REVISED  
10/27/2022: PARCELS 64, 65, & 72 CA ADDED; PARCELS 66, 67, & 71 CA REVISED; PARCELS 64-67 & 71 ROW REVISED; PARCELS 65-66 PDE REVISED; PARCELS 64-67 & 71-72 TCE REVISED  
2/1/2023: 6/20/2022 SURVEY WORK V.M.R.M. SERIES SHEETS U3422.1s.r.w.08.dgn  
2/1/2023: 6/20/2022 SURVEY WORK V.M.R.M. SERIES SHEETS U3422.1s.r.w.08.dgn  
AT: J.K.A.-042

MATCHLINE SHEET 7 -L- STA. 75+00.00

MATCHLINE SHEET 9 -L- STA. 89+00.00



NOTES:

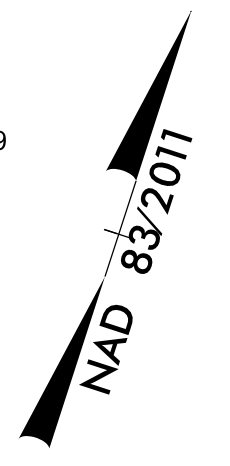
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 06FEB2023 TO 19JUN2023.

I, STEPHEN R. WOLFE, 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 06FEB2023 to 19JUN2023, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

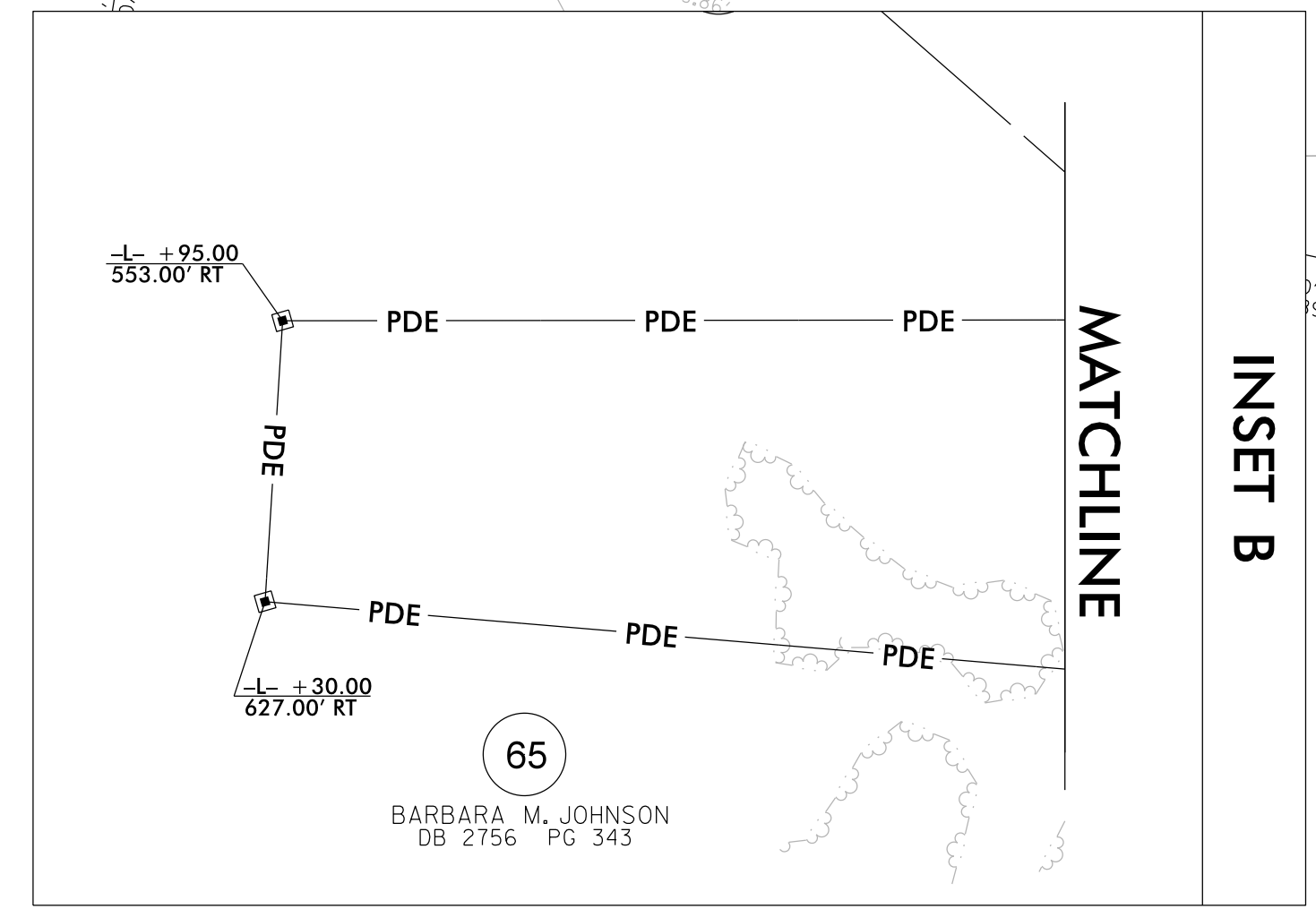
This 19th day of June, 2023.

DocuSigned by:  
Stephen Wolfe  
3086875F394044E...

Professional Land Surveyor L-3259



PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW08
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



-L-

PI Sta 86+31.79  
 $\Delta = 17^{\circ} 26' 00.9''$  (RT)  
 $D = 3^{\circ} 49' 11.0''$   
 $L = 456.41'$   
 $T = 229.98'$   
 $R = 1,500.00'$   
 $e = 4\%$   
 $Lr = 168.00'$

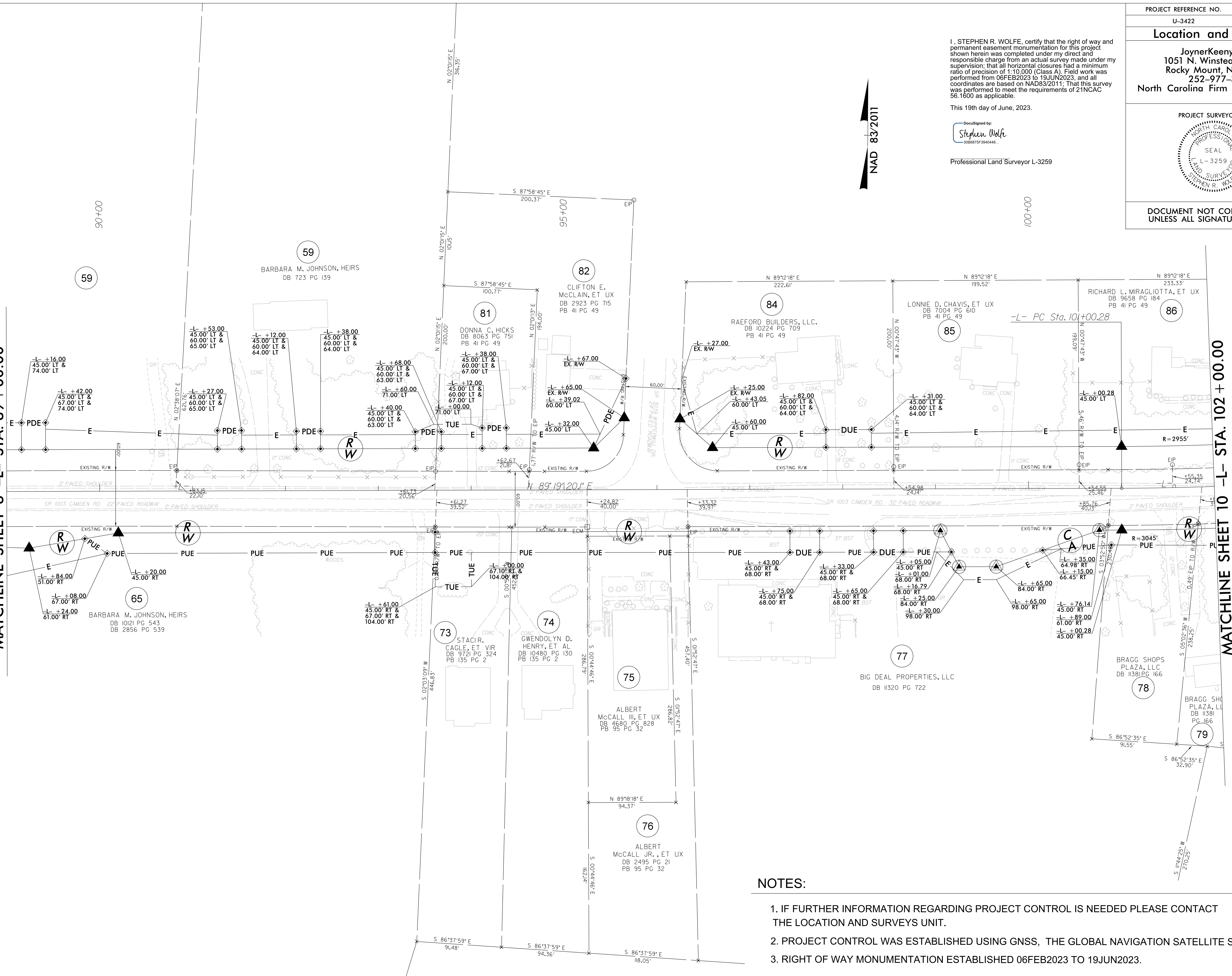
MATCHLINE B  
SEE INSET B



3/25/2022: PARCELS 71, 80-82, 84-86, PUE REMOVED; PARCELS 73-77 PUE REVISED; PARCEL 71, 73, 80 TCE REVISED; PARCELS 73, 80, 81 TUE ADDED; PARCEL 84 DUE REVISED; PARCEL 71, 80, 81 DUE REMOVED, PDE ADDED  
10/27/2022: PARCEL 67 ROW, PUE, & TCE REVISED; PARCEL 73 PUE REVISED & TCE REMOVED  
21 JUN 2023 16:17:15 NCDOT\_U3422.RW Staking\_Cumberland\SURVEY\WORK\RAW\RM SERIES SHEETS\_U3422\_1.s\_r\_w09.dgn  
21 JUN 2023 16:17:15 NCDOT\_U3422.RW Staking\_Cumberland\SURVEY\WORK\RAW\RM SERIES SHEETS\_U3422\_1.s\_r\_w09.dgn  
AT: JKA-042  
jmatthews

MATCHLINE SHEET 8 -L- STA. 89 + 00.00

MATCHLINE SHEET 10 -L- STA. 102 + 00.00



I, STEPHEN R. WOLFE, 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 06FEB2023 to 19JUN2023, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.  
This 19th day of June, 2023.

DocuSigned by:  
**Stephen Wolfe**  
30858125-3940446...  
Professional Land Surveyor L-3259

NAD 83/2011

PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW09
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 06FEB2023 TO 19JUN2023.

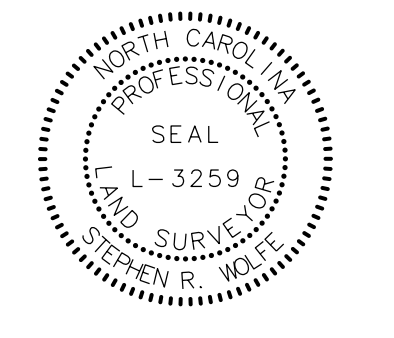






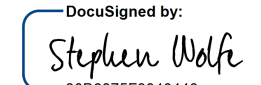
NOTES:

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 06FEB2023 TO 19JUN2023.

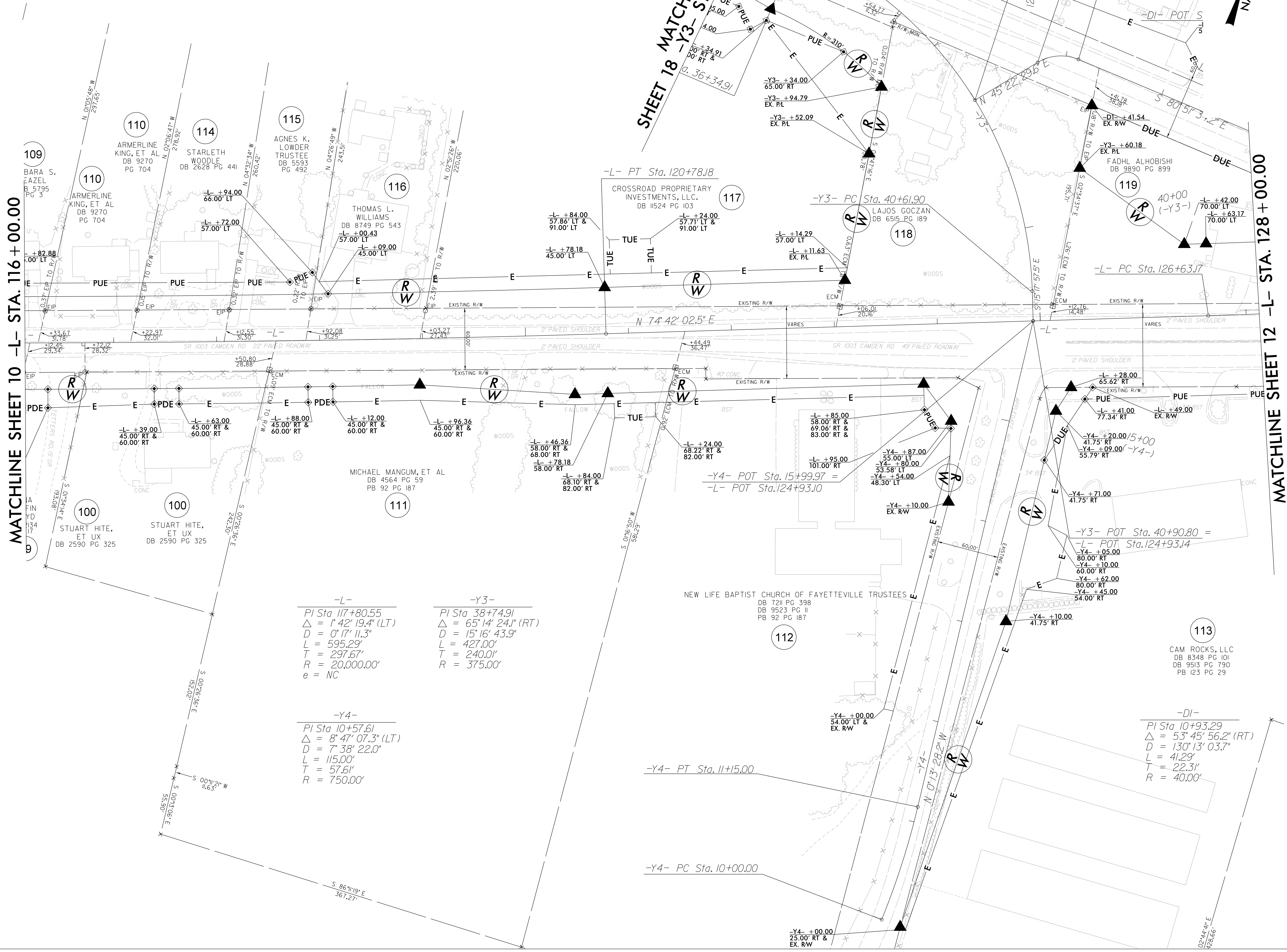
PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW11
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, STEPHEN R. WOLFE, 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 06FEB2023 to 19JUN2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56-1600 as applicable.

This 19th day of June, 2023.

DocuSigned by:  
  
 Stephen Wolfe  
 3086973940486  
 Professional Land Surveyor L-3259

REVISIONS  
 ROW AND TCE REVISED; PARCEL 113  
 PARCELS 100, 111, 119 - PUE REMOVED; PARCELS 112, 116, 117 TCE ADDED; PARCELS 110, 111-112, 117 TCE ADDED; PARCELS 100, 111 DUE REMOVED; PARCELS 100, 111 PDE ADDED  
 PARCELS 112, 113, & 117 PUE REVISED; PARCELS 112, 113, & 232 TCE REVISED; PARCEL 113 DUE REVISED; PARCEL 232 PUE REMOVED  
 PARCEL 113 ROW REVISED, DUE REVISED, TCE REVISED  
 PARCEL 117 TCE REVISED  
 JUN 20 2023 10:55:55 NCDOT\_U3422.RW Staking\_Cumberland\SURVEY\WORK\RM\RM SERIES SHEETS\U3422\_1.s\_rw11.dgn  
 2:11:20 PM 6/2/2023 10:55:55 NCDOT\_U3422.RW Staking\_Cumberland\SURVEY\WORK\RM\RM SERIES SHEETS\U3422\_1.s\_rw11.dgn  
 10:55:55 AM 6/2/2023 10:55:55 NCDOT\_U3422.RW Staking\_Cumberland\SURVEY\WORK\RM\RM SERIES SHEETS\U3422\_1.s\_rw11.dgn  
 10:55:55 AM 6/2/2023 10:55:55 NCDOT\_U3422.RW Staking\_Cumberland\SURVEY\WORK\RM\RM SERIES SHEETS\U3422\_1.s\_rw11.dgn



<p>-L-</p> <p>PI Sta 117+80.55  <math>\Delta = 1' 42'' 19.4''</math> (LT)  <math>D = 0' 17'' 11.3''</math>  <math>L = 595.29'</math>  <math>T = 297.67'</math>  <math>R = 20,000.00'</math>  <math>e = NC</math></p>	<p>-Y3-</p> <p>PI Sta 38+74.91  <math>\Delta = 65' 14'' 24.1''</math> (RT)  <math>D = 15' 16'' 43.9''</math>  <math>L = 427.00'</math>  <math>T = 240.01'</math>  <math>R = 375.00'</math></p>
<p>-Y4-</p> <p>PI Sta 10+57.61  <math>\Delta = 8' 47'' 07.3''</math> (LT)  <math>D = 7' 38'' 22.0''</math>  <math>L = 115.00'</math>  <math>T = 57.61'</math>  <math>R = 750.00'</math></p>	<p>-DI-</p> <p>PI Sta 10+93.29  <math>\Delta = 53' 45'' 56.2''</math> (RT)  <math>D = 130' 13'' 03.7''</math>  <math>L = 41.29'</math>  <math>T = 22.31'</math>  <math>R = 40.00'</math></p>

NAD 83/2011

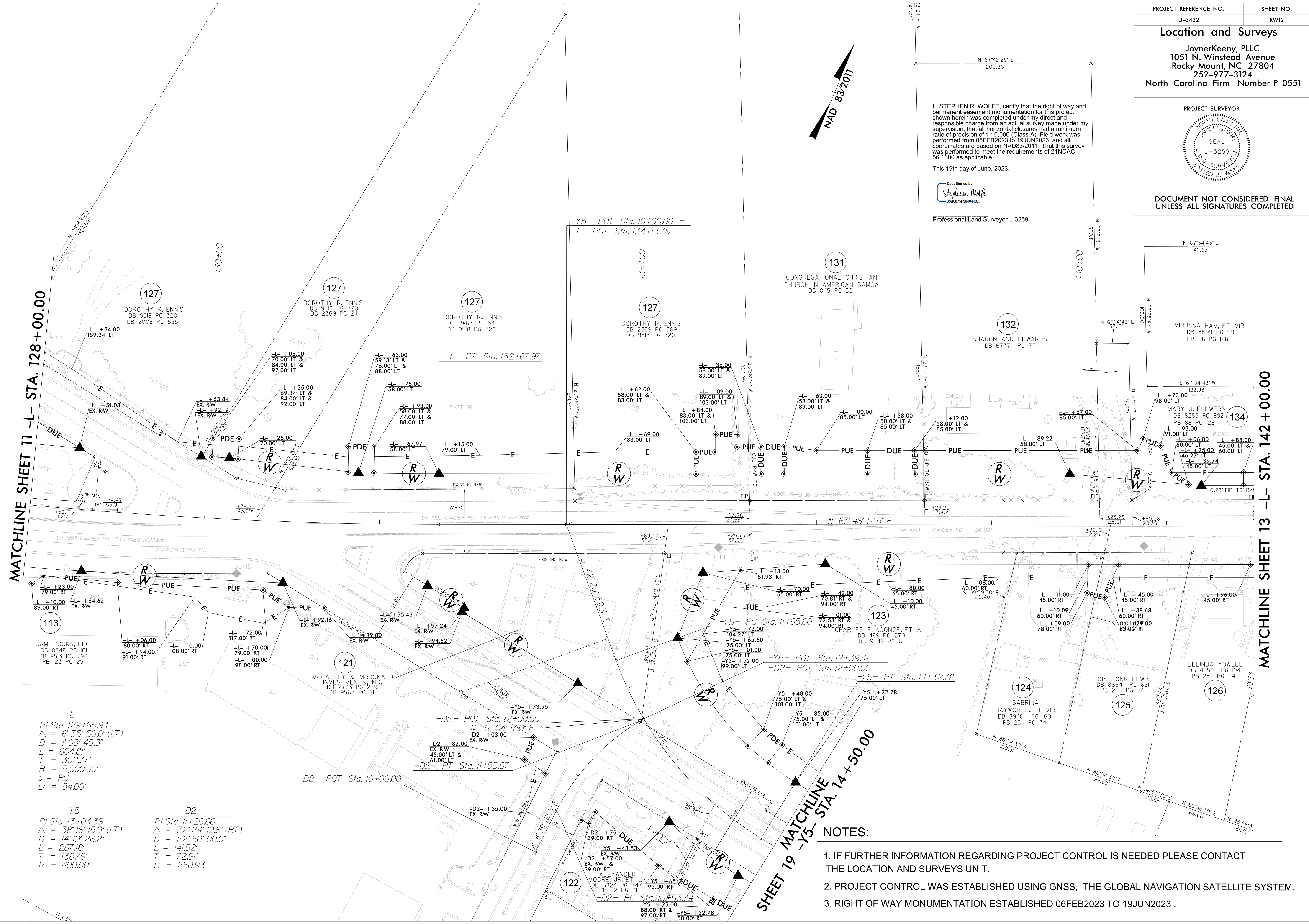
MATCHLINE SHEET 10 -L- STA. 116 + 00.00

SHEET 18 MATCHLINE -Y3- STA. 36 + 50.00

MATCHLINE SHEET 12 -L- STA. 128 + 00.00



REVISIONS  
 3/25/2022: PARCELS 122, 124-125, 127-130 PUE REMOVED; PARCELS 123, 126, 131, 134, PUE REVISED; PARCELS 123, 127-128, 130 TCE REVISED; PARCEL 134 TCE ADDED; PARCELS 123, 128-129 DUE REMOVED; PARCEL 122 DUE REVISED  
 8/12/2022: PARCELS 123, 128-129 PDE ADDED  
 9/12/2022: PARCELS 113 & 130 TCE REVISED; PARCELS 113 & 131 PUE REVISED; PARCEL 130 PUE ADDED  
 3/27/2023: PARCEL 134 PDE ADDED; PARCEL 133 REMOVED  
 3/27/2023: PARCELS 124 & 125 PUE ADDED AND TCE REVISED  
 2-UNREVISED: 6/15/2023 NCDOT\_U3422.RW Staking-Cumberland\SURVEY\N\G\N\WORK\RM\RM SERIES SHEETS\U3422\_1.s\_rwl.dgn  
 2-UNREVISED: 6/15/2023 NCDOT\_U3422.RW Staking-Cumberland\SURVEY\N\G\N\WORK\RM\RM SERIES SHEETS\U3422\_1.s\_rwl.dgn  
 2-UNREVISED: 6/15/2023 NCDOT\_U3422.RW Staking-Cumberland\SURVEY\N\G\N\WORK\RM\RM SERIES SHEETS\U3422\_1.s\_rwl.dgn  
 2-UNREVISED: 6/15/2023 NCDOT\_U3422.RW Staking-Cumberland\SURVEY\N\G\N\WORK\RM\RM SERIES SHEETS\U3422\_1.s\_rwl.dgn



PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW12
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, STEPHEN R. WOLFE, 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 06FEB2023 to 19JUN2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 19th day of June, 2023.

DocuSigned by:  
 Stephen Wolfe  
 1028587573040446

Professional Land Surveyor L-3259

**-L-**  
 PI Sta 129+65.94  
 $\Delta = 6^{\circ}55'50.0"$  (LT)  
 $D = 1^{\circ}08'45.3"$   
 $L = 604.81'$   
 $T = 302.77'$   
 $R = 5,000.00'$   
 $e = RC$   
 $Lr = 84.00'$

**-Y5-**  
 PI Sta 13+04.39  
 $\Delta = 38^{\circ}16'15.9"$  (LT)  
 $D = 14^{\circ}19'26.2"$   
 $L = 267.18'$   
 $T = 138.79'$   
 $R = 400.00'$

**-D2-**  
 PI Sta 11+26.66  
 $\Delta = 32^{\circ}24'19.6"$  (RT)  
 $D = 22^{\circ}50'00.0"$   
 $L = 141.92'$   
 $T = 72.91'$   
 $R = 250.93'$

- 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 06FEB2023 TO 19JUN2023.





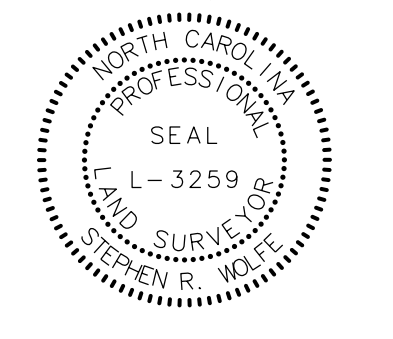








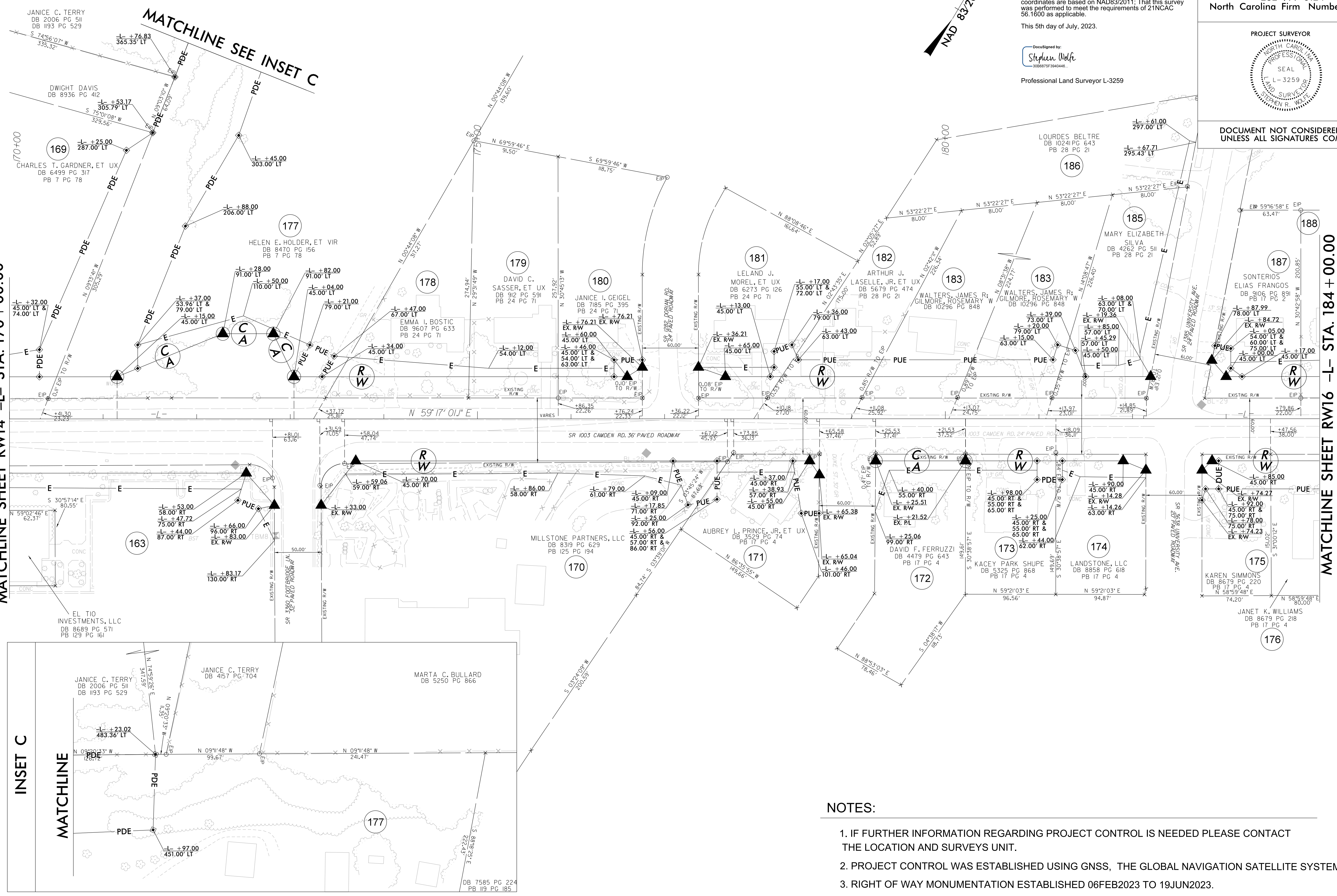
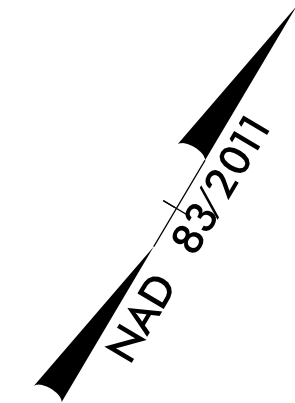


PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW15
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, STEPHEN R. WOLFE, 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 06FEB2023 to 19JUN2023, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 5th day of July, 2023.

DocuSigned by:  
  
 Professional Land Surveyor L-3259



MATCHLINE SHEET RW14 -L- STA. 170 + 00.00

MATCHLINE SHEET RW16 -L- STA. 184 + 00.00

INSET C

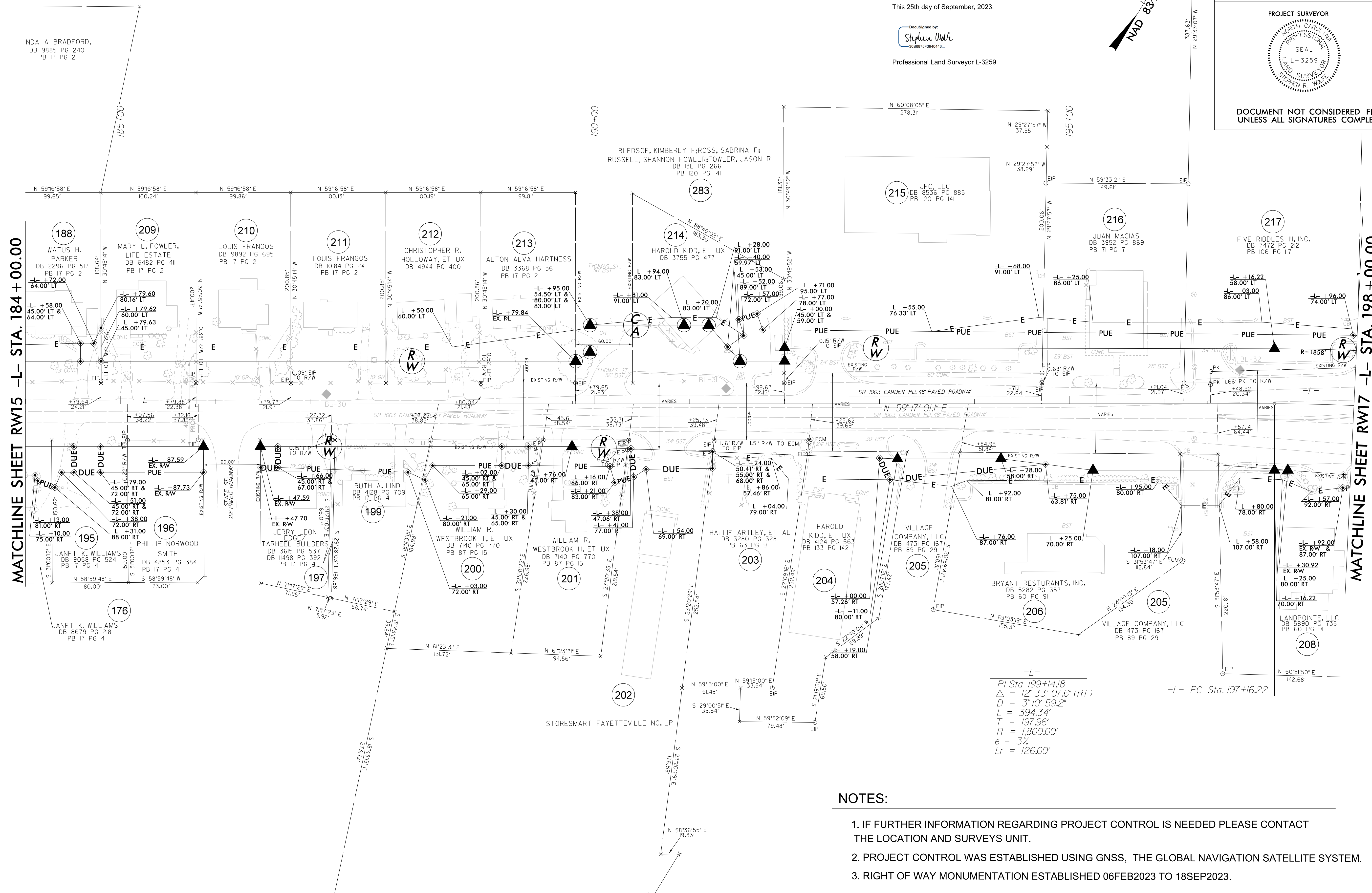
MATCHLINE

REVISIONS  
 9/30/2021: PARCEL OWNERS ADDED; PARCELS 186 AND 189-194; TCE REVISED ON PARCEL 186  
 11/8/2021: PUE REVISED ON PARCEL 185  
 3/25/2022: PARCELS 169,172-174,178,179,188 PUE REMOVED; PARCELS 169,173,174 DUE REMOVED AND PARCEL 175 TCE REMOVED AND DUE REVISED; PARCELS 163,170,171,175,176,177,180,181,184,185,187,188 PUE REVISED; PARCELS 163,171,172,177-179,185,188 TCE REVISED; PARCELS 173,174 PDE AND TCE ADDED; PARCELS 170,180,181 TCE ADDED  
 8/1/2022: PARCELS 171,174,175,177,180,181, & 187 ROW REVISED; PARCEL 177 PDE REVISED, AND TCE REVISED  
 8/1/2022: PARCEL 190 OWNER CHANGE; PARCEL 191 REMOVED  
 11/21/2022: PDE REVISED ON PARCELS 169 & 177; PARCELS 189, 190, 192, 193, & 194  
 12/21/2022: PARCEL 183 CHANGED TO PARCEL 183; OWNER 183 NAME CHANGED TO JANICE C. TERRY; SERIES SHEETS U-3422.1.s\_r.w15.dgn  
 AT: J.K.A. 042

- 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 06FEB2023 TO 19JUN2023.



3/25/2022: PARCELS 203, 210-213, PUE REMOVED; PARCELS 188, 209, PUE REVISED; PARCELS 188, 203, 212, 213, 283, TCE REVISED  
8/12/2022: PARCELS 201, 202, 206 & 215-217, ROW REVISED; PARCELS 208 & 214-219, TCE REVISED; PARCELS 208 & 214, PUE REVISED; PARCELS 202 & 214, PUE REMOVED AND DUE ADDED; PARCELS 204-206, DUE REVISED;  
8/12/2022: PARCELS 215 & 216, DUE REMOVED; PARCELS 215-217, PUE ADDED; PARCEL 206, PUE REMOVED; PARCELS 198 & 207, ROW REVISED; PARCELS 213 & 283, ROW CA-AND, TCE REVISED; PARCEL 197, ROW CA-AND, TCE REVISED; PARCELS 198 & 207, ROW REVISED; PARCELS 198 & 207, ROW REVISED; PARCELS 198 & 207, ROW REVISED;  
AT: J.K.A. 042

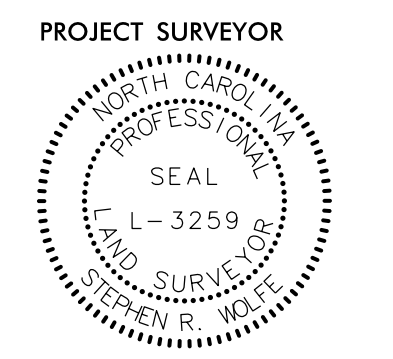
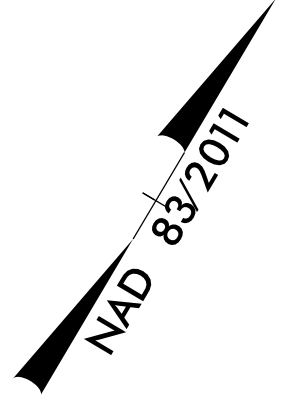


MATCHLINE SHEET RW15 -L- STA. 184 + 00.00

MATCHLINE SHEET RW17 -L- STA. 198 + 00.00

I, STEPHEN R. WOLFE, 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 06FEB2023 to 18SEP2023, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.  
This 25th day of September, 2023.

Designed by:  
*Stephen Wolfe*  
Professional Land Surveyor L-3259



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-L-  
PI Sta 199+14.18  
 $\Delta = 12' 33'' 07.6'' (RT)$   
 $D = 3' 10'' 59.2''$   
 $L = 394.34'$   
 $T = 197.96'$   
 $R = 1,800.00'$   
 $e = 3\%$   
 $Lr = 126.00'$

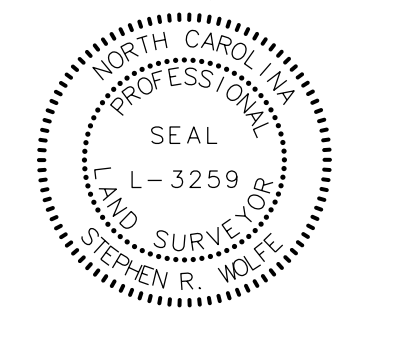
NOTES:

- 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 06FEB2023 TO 18SEP2023.



NOTES:

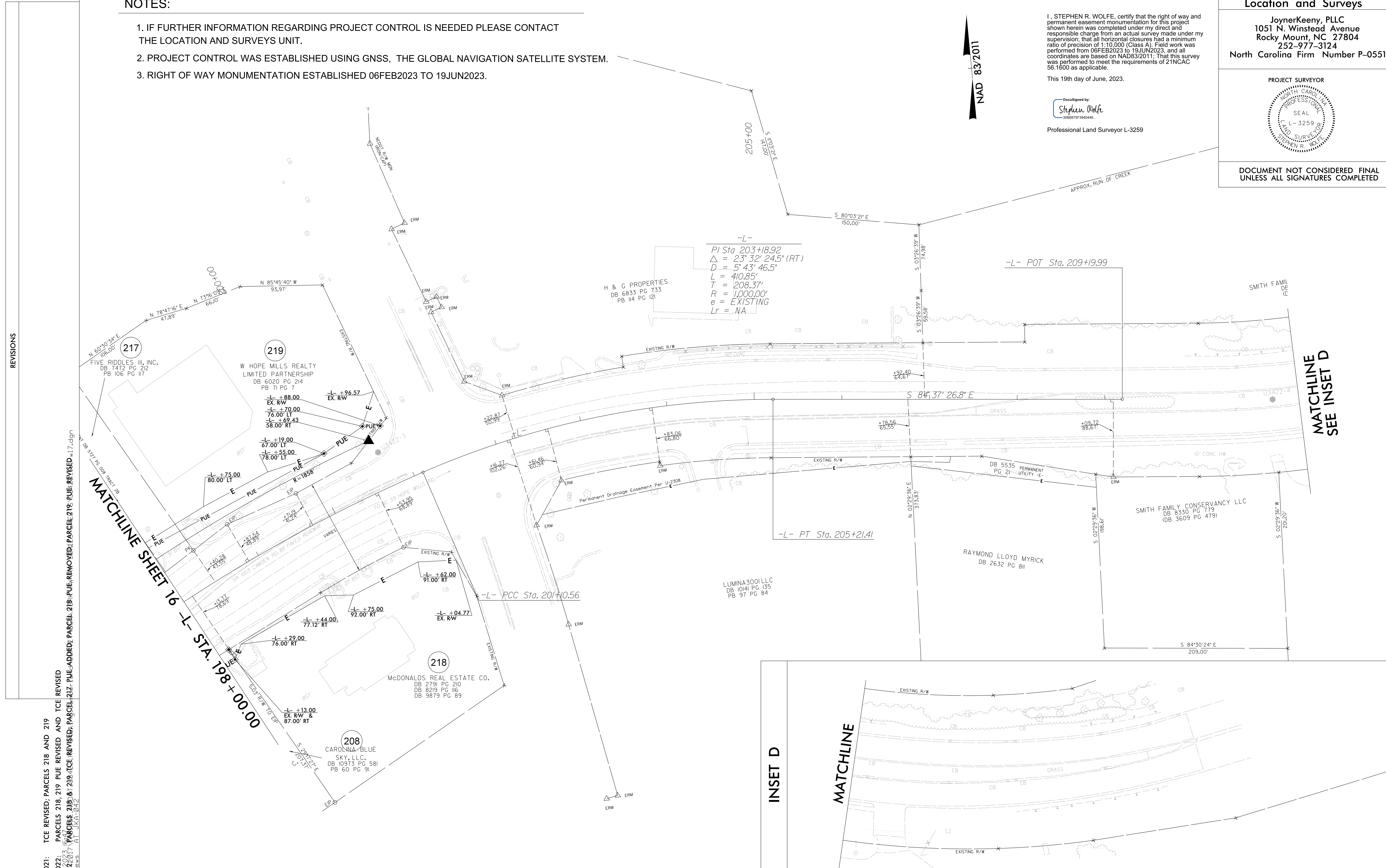
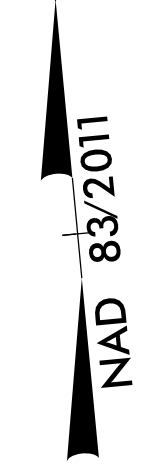
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- 2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 3. RIGHT OF WAY MONUMENTATION ESTABLISHED 06FEB2023 TO 19JUN2023.

PROJECT REFERENCE NO.	SHEET NO.
U-3422	RW17
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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This 19th day of June, 2023.

DocuSigned by:  
  
 Stephen Wolfe  
 3058875F3840446  
 Professional Land Surveyor L-3259

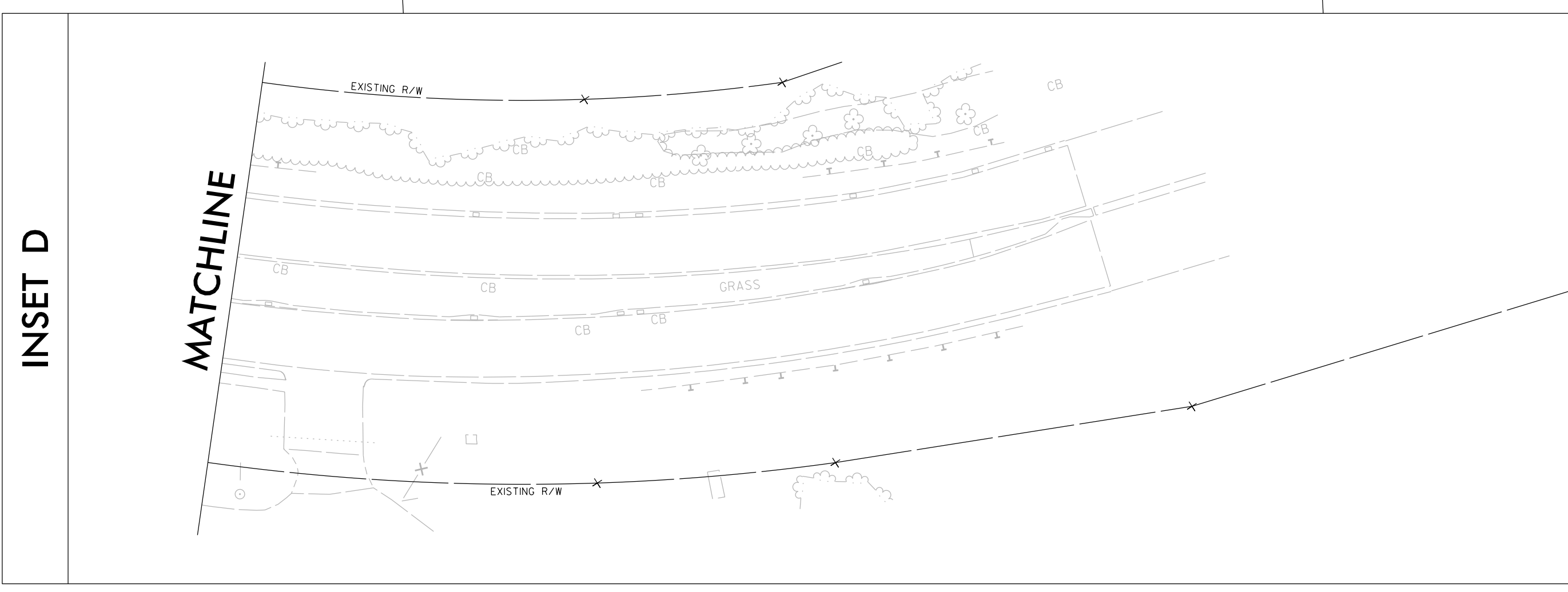


REVISIONS

9/30/2021: TCE REVISED; PARCELS 218 AND 219  
 3/25/2022: PARCELS 218, 219 PUE REVISED AND TCE REVISED  
 8/20/2022: PARCELS 218 & 219 PUE-ADDED; PARCEL 218 PUE-REMOVED; PARCEL 219 PUE-REVISED w/17.dgn  
 6/2/2023: PARCELS 218 & 219 TCE REVISED; PARCEL 218 PUE-ADDED; PARCEL 219 PUE-REVISED w/17.dgn  
 Jmatthews AT JK-A-042

MATCHLINE SHEET 16 -L- STA. 198+00.00

MATCHLINE D  
 SEE INSET D



INSET D

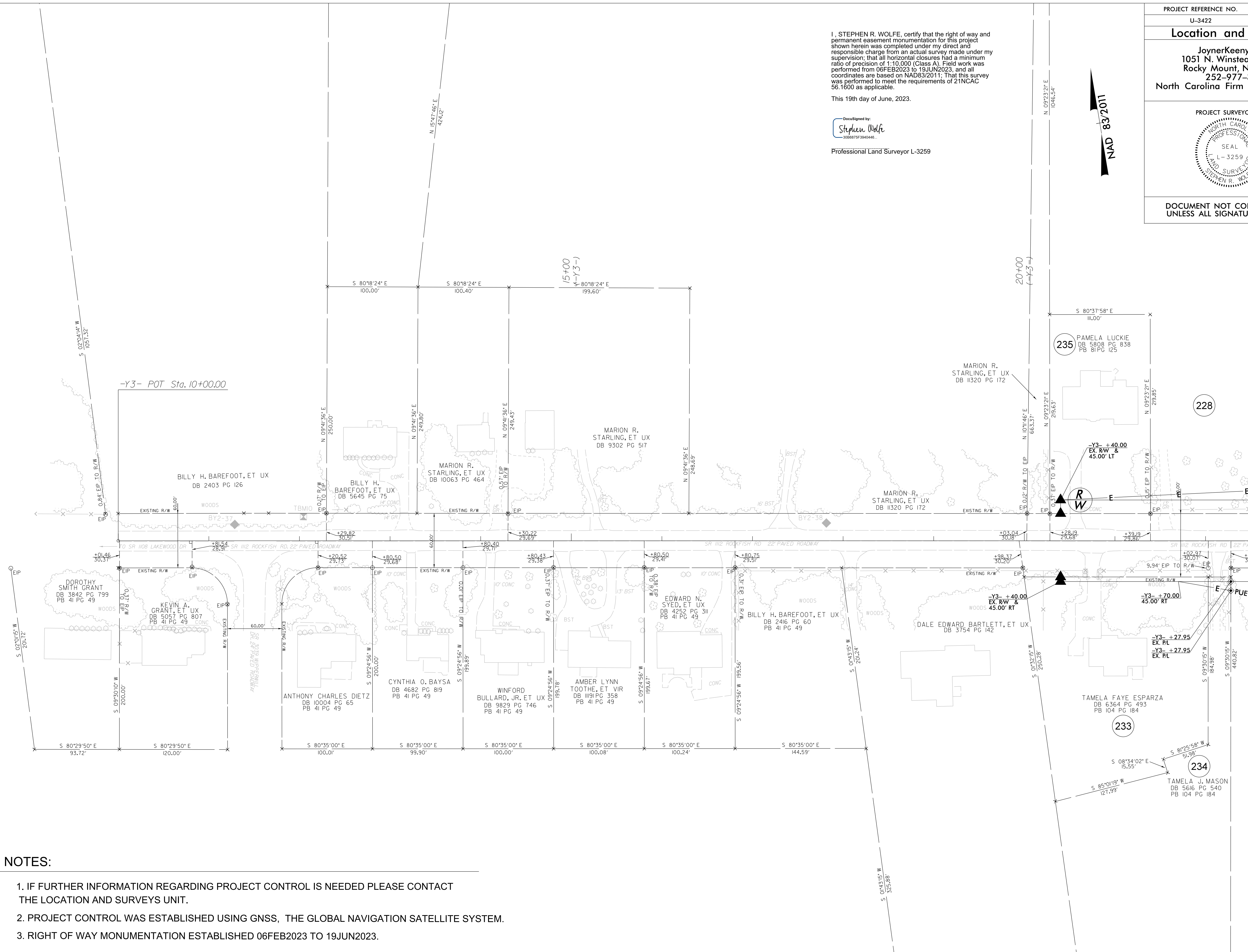


REVISIONS

3/25/2022: PARCEL 228 & 235 PUE REMOVED AND TCE ADDED; PARCEL 223 TUE ADDED  
8/1/2022: PARCEL 220 PUE REVISED AND TCE REVISED; PARCEL 233 TUE REVISED PUE REMOVED AND TCE REVISED; PARCEL 234 PUE REMOVED AND TCE REVISED  
8/23/2023: PARCEL 220 PUE REVISED AND TCE REVISED; PARCEL 233 TUE REVISED PUE REMOVED AND TCE REVISED; PARCEL 234 TCE REVISED  
2/14/2024: 17:00:55E NCDOT - U3422.RW Staking-CumbeLand\SURVEY\N\DCGN\WORK\RM\RM SERIES: SHEETS\U3422.1.s\_rw17A.dgn  
Z:\NCDOT\17:00:55E NCDOT - U3422.RW Staking-CumbeLand\SURVEY\N\DCGN\WORK\RM\RM SERIES: SHEETS\U3422.1.s\_rw17A.dgn  
AT: JKA-042  
matthews

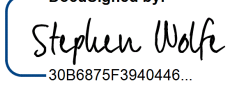
NOTES:

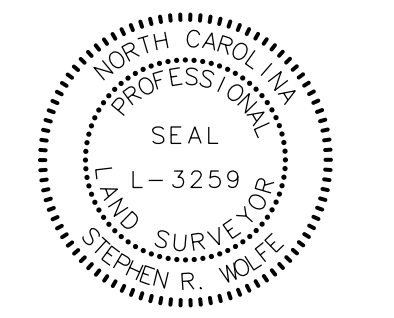
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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 06FEB2023 TO 19JUN2023.

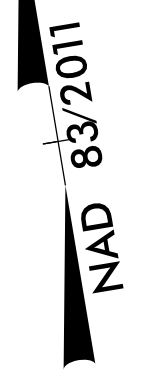


I, STEPHEN R. WOLFE, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 06FEB2023 to 19JUN2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 19th day of June, 2023.

DocuSigned by:  
  
 Professional Land Surveyor L-3259

PROJECT REFERENCE NO. U-3422	SHEET NO. RW17A
<b>Location and Surveys</b>	
JoynerKeeny, PLLC 1051 N. Winstead Avenue Rocky Mount, NC 27804 252-977-3124 North Carolina Firm Number P-0551	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



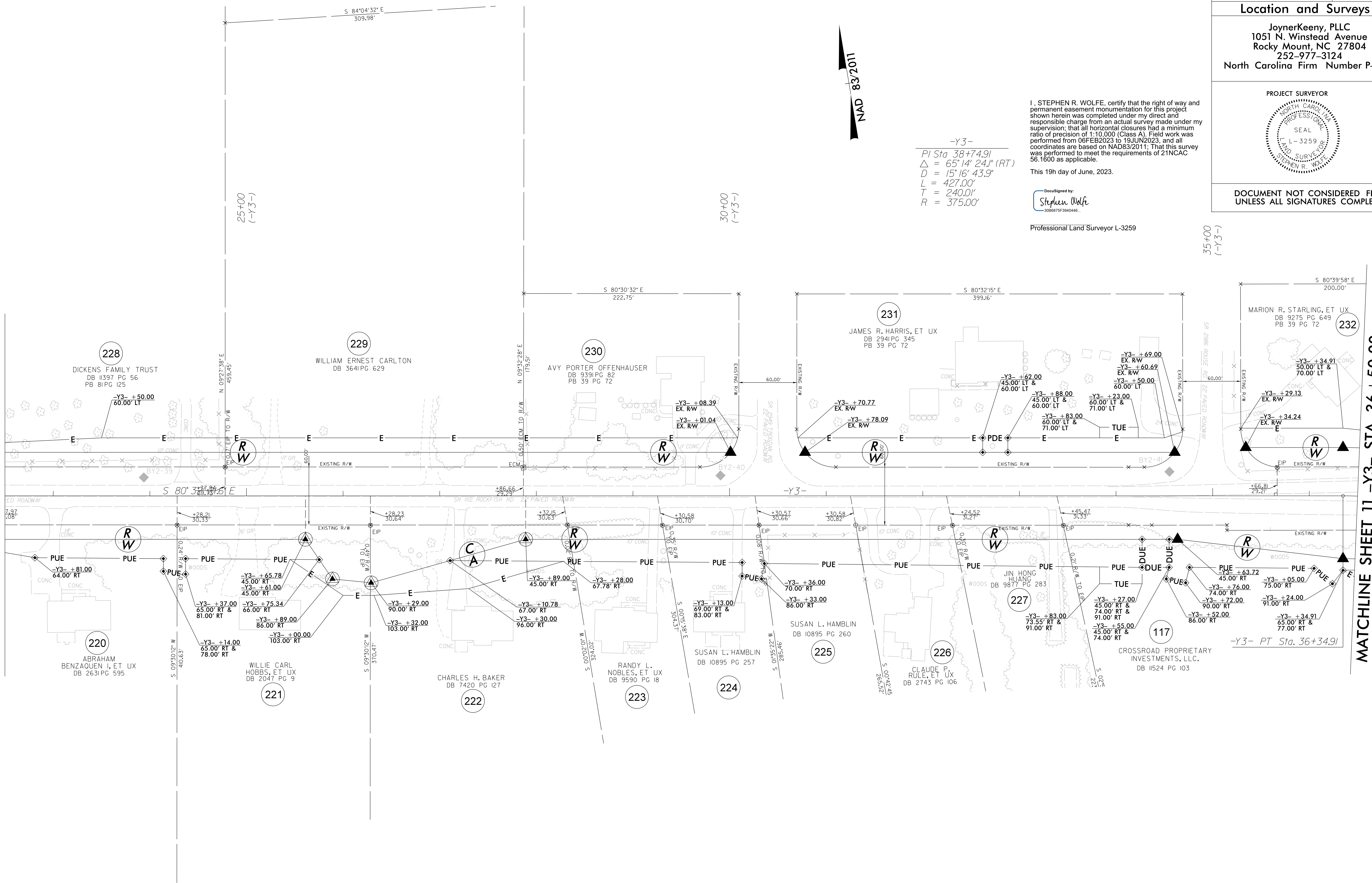
MATCHLINE SHEET 18 -Y3- STA. 22 + 50.00



3/25/2022: PARCELS 221-224 & 232 PUE REVISED; PARCELS 221, 231, 232 TCE REVISED; PARCELS 228-230 TCE ADDED; PARCEL 231 DUE REMOVED, PDE ADDED, TUE ADDED  
8/1/2022: PARCELS 221, 222, & 232 TCE REVISED; PARCELS 220-227 PUE REVISED; PARCEL 117 TUE ADDED AND DUE REVISED; PARCEL 232 PUE REMOVED  
2/3/2023: PARCEL 220 PUE REVISED, TCE REMOVED  
4/19/2023: PARCEL 117 TUE REVISED  
AT: J.K.A. Matthews

MATCHLINE SHEET 17A -Y3- STA. 22 + 50.00

MATCHLINE SHEET 11 -Y3- STA. 36 + 50.00



-Y3-  
PI Sta 38+74.91  
 $\Delta = 65^{\circ}14'24.1''$  (RT)  
D = 15'16" 43.9"  
L = 427.00'  
T = 240.01'  
R = 375.00'

I, STEPHEN R. WOLFE, 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 06FEB2023 to 19JUN2023, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.  
This 19th day of June, 2023.

DocuSigned by:  
**Stephen Wolfe**  
3008875F3940446  
Professional Land Surveyor L-3259



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NOTES:

- 1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- 2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 3. RIGHT OF WAY MONUMENTATION ESTABLISHED 06FEB2023 TO 19JUN2023.