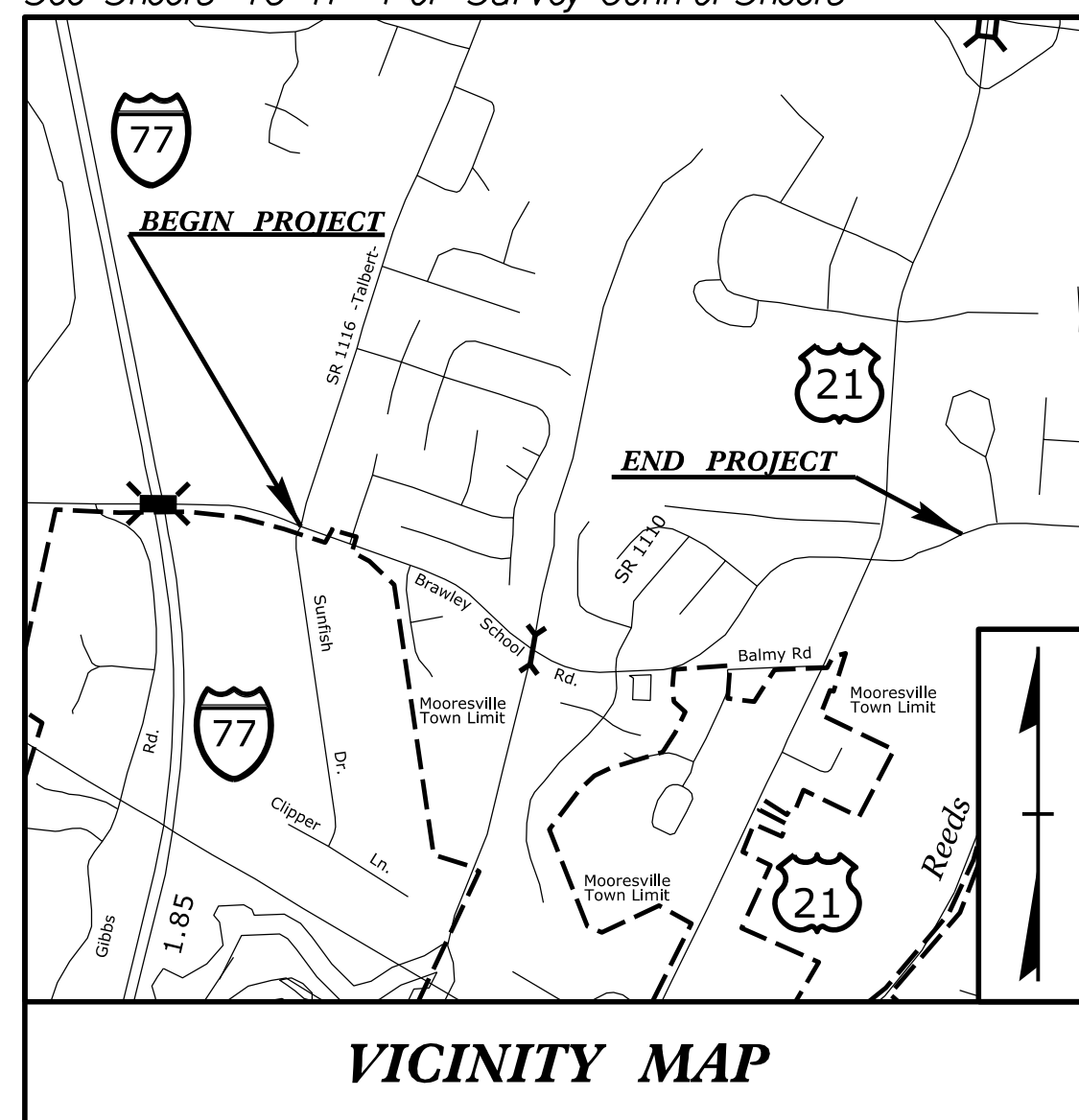


See Sheet 1A For Index of Sheets
 See Sheet 1B For Conventional Symbols
 See Sheets 1C-1F For Survey Control Sheets

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-3833C	RW01	

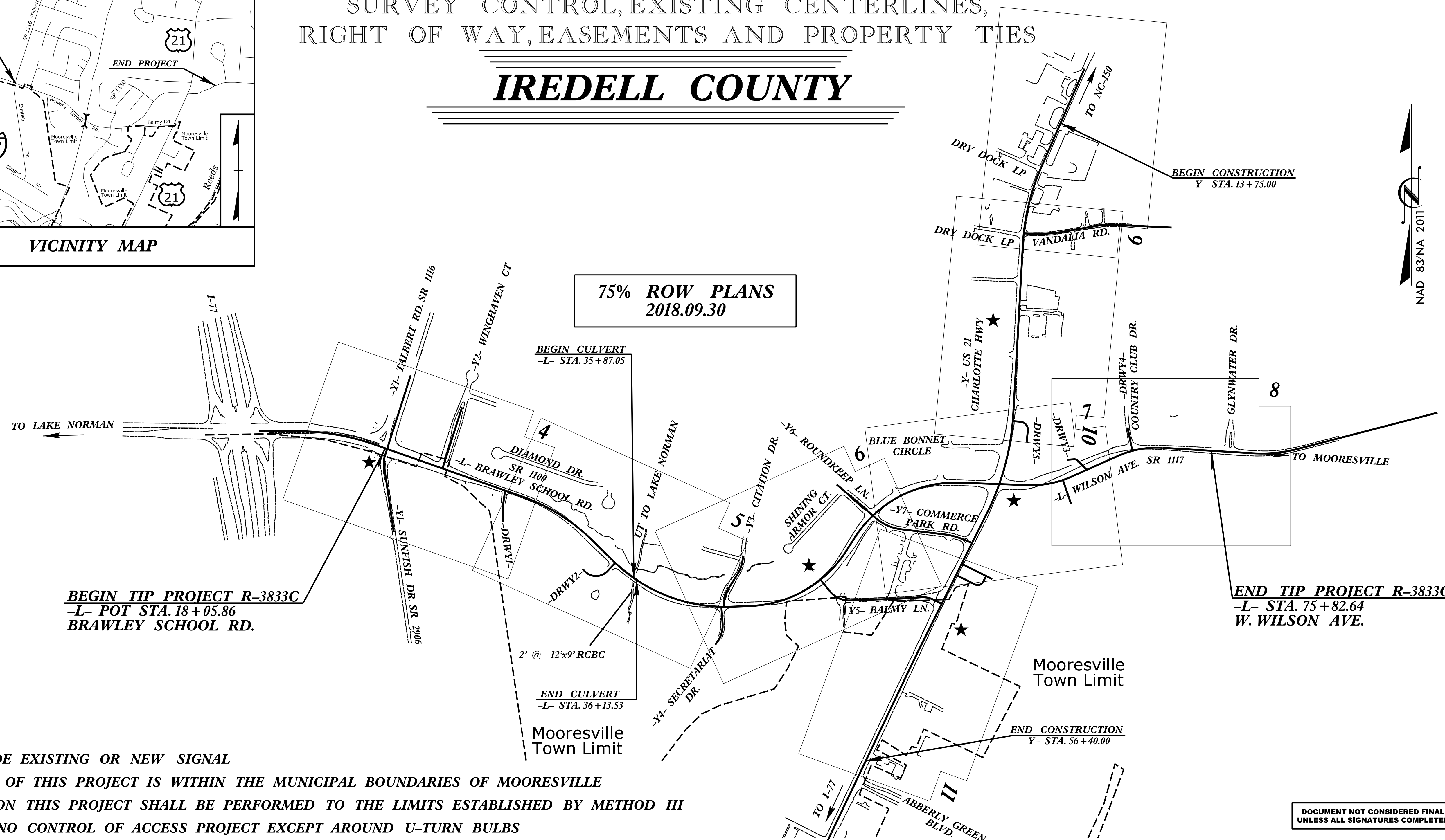
TIP PROJECT: R-3833C



STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

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

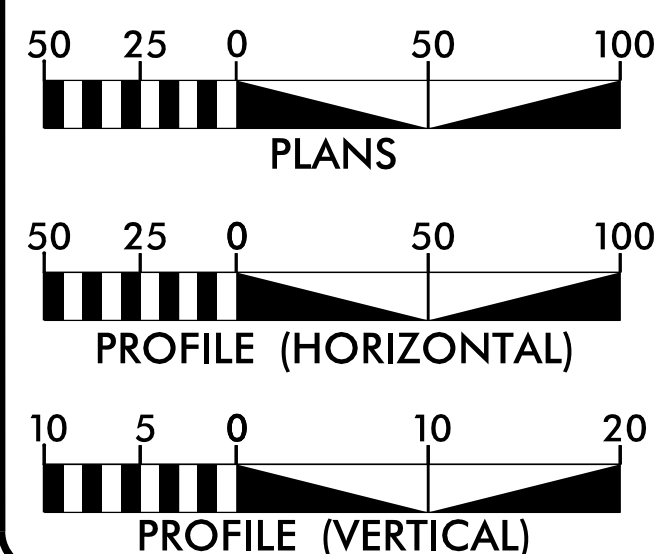
IREDELL COUNTY



★ **UPGRADE EXISTING OR NEW SIGNAL**
 A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF MOOREVILLE
 CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III
 THIS IS A NO CONTROL OF ACCESS PROJECT EXCEPT AROUND U-TURN BULBS

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "R3833C-3" WITH NAD 83/2011 STATE PLANE GRID COORDINATES OF NORTHING: 670700.029(ft) EASTING: 1452869.679(ft) ELEVATION: 847.14(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999855
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R3833C-3" TO L- STATION 10+00.00 IS N 85°15'23" W 4673.27'(ft)
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

Prepared In the Office of:



801 JONES FRANKLIN ROAD, SUITE 300
 RALEIGH, NC 27606
 LICENSE NO.: F-0672
 www.stantec.com

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
 SEPTEMBER 30, 2018

LETTING DATE:
 JULY 18, 2023



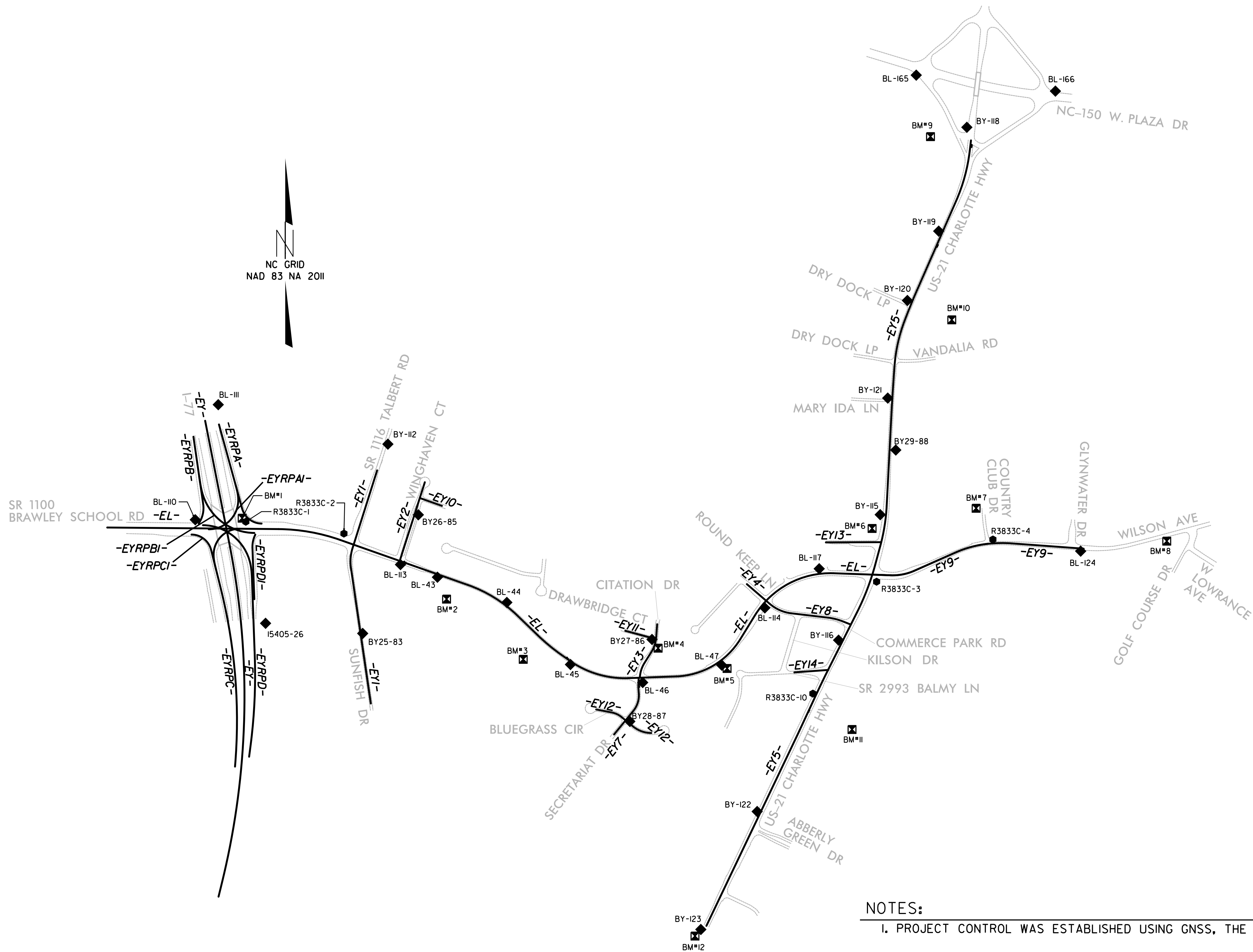
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F. Rex Cooper
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 SIGNATURE: Date:

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PROJECT REFERENCE NO.	SHEET NO.
R-3833C	RW02C-1
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



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

18-OCT-2018 15:47
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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-3833C	RW02C-2
Location and Surveys	

BL POINT	DESC.	NORTH	EAST	ELEVATION
110	BL-110	671155.3340	1447861.5750	837.13
1	R3833C-1	671146.9220	1448233.4720	844.82
2	R3833C-2	671053.7770	1448954.4490	848.98
113	BL-113	670825.8140	1449369.6330	837.45
43	BL-43	670732.9770	1449641.3430	825.19
44	BL-44	670547.4580	1450151.6190	800.85
45	BL-45	670091.8180	1450619.8550	777.24
46	BL-46	669958.8370	1451150.8920	802.96
47	BL-47	670085.7880	1451731.7190	821.18
114	BL-114	670507.3360	1452047.8170	822.77
117	BL-117	670795.1620	1452447.5740	839.41
3	R3833C-3	670706.8290	1452869.6790	847.14
4	R3833C-4	671018.4840	1453724.3930	818.61
124	BL-124	670924.5460	1454369.2980	795.48

BY POINT	DESC.	NORTH	EAST	ELEVATION
111	BY-111	672001.4450	1448038.4240	800.58
E01	R3833C-1	671146.9220	1448233.4720	844.82
26	I5405-26	670394.8110	1448378.1330	835.16

BY1 POINT	DESC.	NORTH	EAST	ELEVATION
112	BY-112	671711.2760	1449277.2610	854.33
E02	R3833C-2	671053.7770	1448954.4490	848.98
83	BY25-83	670319.5460	1449091.9960	839.51

BY2 POINT	DESC.	NORTH	EAST	ELEVATION
85	BY26-85	671191.7850	1449081.8340	822.89
ED113	BL-113	670825.8140	1449369.6330	837.45

BY3 POINT	DESC.	NORTH	EAST	ELEVATION
86	BY27-86	670275.3750	1451218.3880	787.21
ED46	BL-46	669958.8370	1451150.8920	802.96
87	BY28-87	669672.7480	1451895.5220	794.51

BY5 POINT	DESC.	NORTH	EAST	ELEVATION
A165	BL-165	674424.0730	1453168.7160	842.26
118	BY-118	674848.6930	1453532.8820	865.27
119	BY-119	673277.2180	1453325.9370	854.49
120	BY-120	672767.4390	1453895.7140	861.92
121	BY-121	672849.9180	1452901.3830	863.58
88	BY29-88	671667.9960	1453810.3940	858.84
115	BY-115	671192.6730	1452895.9150	850.92
E03	R3833C-3	670706.8290	1452869.6790	847.14
116	BY-116	670278.2820	1452589.9310	844.25
10	R3833-10	669877.3930	1452481.1330	839.35
122	BY-122	669818.3370	1451991.5310	818.18
123	BY-123	668143.8650	1451577.4840	792.58

BM1 ELEVATION = 845.80
E 1448286
EAST BOLT ON STEEL UTILITY POLE

BM2 ELEVATION = 838.80
N 670572 E 1449789
RR SPIKE IN 38' OAK

BM3 ELEVATION = 796.17
N 670129 E 1450272
CHISEL SQUARE ON CORNER OF CONC CURB

BM4 ELEVATION = 798.85
N 670212 E 1451264
RR SPIKE IN 12' POPLAR

BM5 ELEVATION = 825.79
N 670062 E 1451771
RR SPIKE IN 15' OAK

BM6 ELEVATION = 851.15
N 671091 E 1452837
RR SPIKE IN 68' OAK

BM7 ELEVATION = 836.45
N 671248 E 1453681
RR SPIKE SET IN BASE OF 12' PINE

BM8 ELEVATION = 788.46
N 670998 E 1450882
RR SPIKE SET IN BASE OF 22' SYCAMORE

BM9 ELEVATION = 867.28
N 673972 E 1453268
RR SPIKE SET IN BASE OF 14' PINE

BM10 ELEVATION = 846.67
N 672825 E 1453422
RR SPIKE SET IN BASE OF 20' WILLOW OAK

BM11 ELEVATION = 848.35
N 669614 E 1452689
RR SPIKE SET IN BASE OF 18' PINE

BM12 ELEVATION = 798.34
N 668895 E 1451535
18" SPIKE NAIL SET VERTICALLY IN ROOT OF 19" DOUBLE WILLOW OAK

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	671095.445	1447214.535	S 89°28'16.5"E	125.39					
PC	671086.835	1448473.874	S 88°01'22.3"E	455.67	18°53'52.5"RT	84°05'33.2"	461.76	233.00	1488.80
PC	671087.194	1448926.595	S 78°34'26.8"E	596.18					
PC	670675.980	1449865.988	S 58°15'21.3"E	426.67	24°38'09.3"RT	85°43'46.5"	425.98	218.36	1088.80
PC	670451.416	1450228.834	S 45°56'16.7"E	284.75					
PC	670389.827	1450375.564	S 58°22'03.6"E	229.32	88°47'33.6"LT	87°49'44.6"	229.85	115.00	1495.80
PC	670162.648	1450552.493	S 94°43'58.0"E	73.93					
PC	670115.962	1450612.245	S 73°23'12.4"E	451.84	37°18'43.9"LT	88°07'37.4"	455.11	238.83	785.80
PC	669991.885	1451045.862	N 87°57'26.6"E	361.64					
PC	670003.548	1451396.476	N 59°45'38.1"E	546.41	56°23'51.8"LT	87°54'36.8"	565.11	318.00	578.18
PC	670278.741	1451888.528	N 31°53'34.5"E	283.42					
PC	670452.871	1451974.393	N 61°48'24.2"E	656.53	88°24'39.3"RT	88°47'31.6"	688.85	388.00	651.67
PC	670762.249	1452553.635	S 87°58'46.1"E	268.47					
PT	670751.382	1452839.318							

EY POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
PC	671883.193	1447934.244	S 11°08'51.5"E	837.79									
PC	671861.287	1448096.221	S 10°48'51.6"E	288.80						88°59'59.7"RT	288.80	133.34	66.67
PC	670864.762	1448133.746	S 81°21'35.1"E	2286.44	23°01'01.9"RT	88°59'59.7"	2381.89	1166.68	5738.88				
PC	668878.966	1448075.445	S 11°32'09.9"E	288.80						88°59'59.7"RT	288.80	133.34	66.67
PT	668878.966	1448075.445											

EYRPA POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	671886.890	1448096.824	S 15°23'11.4"E	641.41					
PC	671237.672	1448286.888	S 52°29'44.7"E	188.72	74°05'06.7"LT	38°11'49.9"	193.95	113.21	158.80
PT	671237.672	1448286.888							

EYRPA1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
PC	8.800	8.800	S 89°58'16.8"E	124.53						16°39'20.7"RT	125.00	83.71	42.88
PC	671295.795	1448177.526	S 45°53'55.4"E	382.88	89°15'32.1"RT	26°38'57.1"	334.94	212.24	215.00				
PC	671085.567	1447968.597	S 15°22'18.2"E	8.88									
PT	671085.566	1447968.597											

EYRPA2 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	671785.383	1447848.218	S 88°13'48.3"E	581.33					
PC	671265.739	1447915.983	S 13°08'55.6"E	145.81	42°45'27.7"RT	28°38'52.4"	145.25	78.29	288.80
PT	671265.739	1447915.983							

EYRPA3 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
PC	8.800	8.800	S 11°48'38.8"E	149.77						18°34'34.7"LT	150.00	188.18	58.17
PC	671328.411	1447928.945	S 94°13'28.7"E	461.71	78°29'55.6"LT	14°19'26.2"	492.17	282.69	488.80				
PC	671328.411	1447928.945											

EYRPA4 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
PC	669448.656	1448153.764	N 84°19'58.9"E	1279.98	18°24'48.4"LT	81°25'56.6"	1285.58	648.34	4888.80				
PC	670616.977	1448857.187	N 13°53'44.3"E	158.80									
PC	670762.587	1448821.884	N 14°04'26.8"E	27.38	88°35'26.7"LT	88°23'37.8"	158.80	75.00	14546.11				
PC	670785.859	1448814.445	N 14°04'26.8"E	125.33						348°23'55.7"RT	138.80	87.28	43.82
PC	670917.274	1447997.459	N 48°01'38.5"E	256.73	85°08'06.8"RT	38°09'28.4"	261.88	174.11	198.80				
PT	670917.274	1447997.459											

EYRPA5 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	670789.859	1448814.445	N 14°04'26.8"E	148.61					
PC	670933.214	1447978.386	N 51°46'23.7"E	183.45	75°23'49.7"LT	38°11'49.9"	197.39	115.93	158.80
PT	670933.214	1447978.386							

EYRPA6 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
PC	669413.347	1448257.473	N 87°24'57.9"E	41.79									
PC	669454.788	1448262.868	N 87°13'38.4"E	88.88						88°34'22.6"LT	88.88	53.33	26.67
PC	669534.152	1448272.525	N 82°39'53.4"E	582.88	88°21'23.7"LT	81°25'56.6"	583.48	292.22	4888.80				
PC	670116.485	1448388.829	N 81°53'43.5"E	88.88						88°34'22.6"LT	88.88	53.33	26.67
PC	670196.381	1448297.383	N 82°09'11.1"E	587.74									
PC	670783.766	1448278.898	N 85°32'01.7"E	125.81						18°28'42.3"LT	138.88	86.82	43.47
PC	670832.972	1448266.388	N 58°57'06.9"E	448.41	77°02'26.2"LT	15°54'56.8"	484.86	286.56	368.80				
PT	670832.972	1448266.388											

EYRPA7 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	670949.334	1448281.968	N 12°17'42.9"E	99.95	28°45'47.8"RT	28°38'52.4"	188.48	51.28	288.80
PT	670949.334	1448281.968							

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

18-OCT-2018 15:48
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10/18/19
11/15/19

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-3833C	RW02C-3
Location and Surveys	

EY1				
POINT	N	E	BEARING	DIST
POT	671018.565	1449158.439		
LINE			S 17°32'34.4" W	572.98
POT	670972.232	1449025.731		

EY2				
POINT	N	E	BEARING	DIST
POT	671431.383	1449548.389		
LINE			S 17°41'28.6" W	607.25
POT	670852.776	1449384.454		

EY3									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	670387.417	1491266.751							
LINE			S 04°24'51.5" W	98.29					
PC	670289.422	1491249.186							
CURVE			S 18°14'28.5" W	118.58	27°38'58.0" RT	24°45'47.2"	111.66	56.94	231.38
PT	670184.482	1491214.578							
LINE			S 32°03'49.5" W	96.35					
PC	670102.744	1491163.429							
CURVE			S 17°23'44.6" W	113.96	29°20'09.7" LT	25°27'53.2"	115.28	58.89	225.00
PT	670102.744	1491163.429							

EY4				
POINT	N	E	BEARING	DIST
POT	670668.215	1491915.992		
LINE			S 49°17'08.3" E	187.27
POT	670659.955	1492057.933		

EY5									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	671638.838	1452983.798							
LINE			S 09°14'38.6" W	432.91					
PC	671284.618	1452939.389							
CURVE			S 08°57'16.4" W	199.81	11°25'31.6" RT	05°43'54.2"	199.34	180.00	999.62
PT	671088.828	1452988.333							
LINE			S 14°40'02.2" W	281.79					
PC	670812.812	1452897.238							
CURVE			S 28°27'44.9" W	298.47	11°38'25.4" RT	03°52'36.1"	298.98	150.00	1477.56
PT	670633.178	1452752.896							
LINE			S 26°15'27.6" W	765.59					
POT	669846.589	1452414.194							

EY5A									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	673944.586	1453953.385							
LINE			S 06°49'14.8" W	88.18					
PC	673864.978	1453953.863							
CURVE			S 15°14'01.1" W	377.48	16°49'34.2" RT	04°26'25.5"	378.84	198.79	1298.00
PT	673688.765	1453494.679							
LINE			S 23°38'48.1" W	719.11					
PC	672842.835	1453166.247							
CURVE			S 22°17'38.3" W	212.82	02°42'35.7" LT	01°16'23.7"	212.84	186.44	4588.00
PT	672645.124	1453085.521							
LINE			S 28°58'12.3" W	77.36					
PC	672619.568	1453075.744							
CURVE			S 12°28'17.6" W	345.94	16°55'49.7" LT	04°52'34.5"	347.28	174.88	1175.00
PT	672281.789	1453081.836							
LINE			S 04°00'22.8" W	128.51					
PC	672153.597	1452992.858							
CURVE			S 03°29'17.9" W	287.28	01°02'05.7" LT	00°38'08.8"	287.21	183.61	11459.16
PT	671946.777	1452979.458							
LINE			S 02°58'13.1" W	698.84					
PC	671256.861	1452493.852							
CURVE			S 09°02'44.3" W	296.34	12°09'02.4" RT	04°05'33.2"	296.98	149.01	1488.00
PT	670964.286	1452097.861							
LINE			S 15°07'15.5" W	144.99					
PC	670824.248	1452059.248							
CURVE			S 28°53'45.9" W	372.38	11°33'08.7" RT	03°05'45.4"	373.81	187.14	1858.00
PT	670476.355	1452226.415							
LINE			S 26°40'24.2" W	488.88					
PC	670046.718	1452210.588							
CURVE			S 25°47'52.4" W	175.89	01°45'03.7" LT	01°08'08.8"	175.18	87.56	5729.58
PT	669889.874	1452434.388							
LINE			S 24°58'28.5" W	313.56					
PC	669684.713	1452382.249							
CURVE			S 25°12'15.8" W	56.48	08°33'58.5" RT	01°08'08.8"	56.48	28.28	5729.58
PT	669553.688	1452278.238							
LINE			S 25°29'11.1" W	1532.83					
POT	668178.818	1451618.659							

EY6				
POINT	N	E	BEARING	DIST
POT	670972.232	1449025.731		
LINE			S 17°32'34.4" W	26.34
PC	670946.545	1449017.611		
CURVE			S 04°36'17.7" W	145.63
PT	670801.483	1449005.927		
LINE			S 08°19'59.1" E	1887.46
POT	669884.661	1449181.935		

EY7									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	669993.713	1451128.576							
LINE			S 03°16'53.7" W	43.88					
PC	669958.779	1451118.515							
CURVE			S 08°28'07.6" E	32.78	07°30'02.6" LT	22°55'05.9"	32.73	16.39	258.00
PT	669918.076	1451118.782							
LINE			S 04°13'08.8" E	48.38					
PC	669877.888	1451121.748							
CURVE			S 17°38'56.8" W	133.76	43°28'03.6" RT	31°43'24.8"	137.83	72.88	188.61
PT	669758.328	1451081.498							
LINE			S 39°15'08.7" W	223.82					
POT	669676.992	1450939.874							

EY8									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	670593.995	1452887.933							
LINE			S 49°17'08.9" E	35.13					
PC	670537.842	1452884.556							
CURVE			S 66°15'11.8" E	172.15	33°58'21.8" LT	19°26'48.7"	174.78	98.88	294.63
PT	670467.785	1452242.149							
LINE			S 8°15'22.7" E	272.24					
PC	670435.796	1452512.589							
CURVE			S 75°46'25.8" E	113.83	14°57'55.4" RT	13°12'09.7"	113.85	57.88	433.97
PT	670408.819	1452622.872							
LINE			S 68°17'27.3" E	62.15					
POT	670385.838	1452679.813							

EY9									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	670751.982	1452839.918							
LINE			S 87°56'46.1" E	134.48					
PC	670747.166	1452974.232							
CURVE			N 79°04'56.4" E	175.41	25°56'34.9" LT	14°39'51.1"	175.91	98.88	398.72
PT	670768.387	1453146.464							
LINE			N 66°06'39.8" E	332.89					
PC	670944.874	1453458.186							
CURVE			N 75°05'24.8" E	249.76	17°57'40.8" RT	07°04'43.1"	258.78	126.43	888.88
PT	670975.132	1453691.457							
LINE			N 84°04'15.8" E	8.87					
PC	670979.139	1453691.523							
CURVE			N 89°08'33.9" E	171.47	18°08'29.9" RT	05°54'24.4"	171.78	86.87	978.88
PT	670981.184	1453882.975							
LINE			S 88°42'11.1" E	538.27					
POT	670942.742	1454391.815							

EY10				
POINT	N	E	BEARING	DIST
POT	671315.317	1449511.992		
LINE			S 70°28'58.4" E	172.58
POT	671257.688	1449674.579		

EY11				
POINT	N	E	BEARING	DIST
POT	670386.996	1451822.337		
LINE			S 74°52'46.3" E	233.78
POT	670276.816	1451248.821		

EY12									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	669768.785	1450888.425							
LINE			S 79°06'09.8" E	117.73					
PC	669738.452	1450924.832							
CURVE			S 64°53'43.8" E	77.55	28°24'52.0" RT	36°15'15.7"	78.35	48.88	157.99
PT	669705.549	1450994.299							
LINE			S 58°41'17.8" E	118.45					
PC	669635.572	1451079.719							
CURVE			S 78°19'0						

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. R-3833C SHEET NO. RW03E-2

Location and Surveys



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	12-35.50	55.00	673168.6244	1453249.2068
Y	12-69.77	-53.00	673093.9118	1453334.3923
Y	16-77.31	-53.00	672720.5918	1453170.9303
Y	16-77.31	55.00	672763.9102	1453071.9984
Y	19-72.67	-53.00	672450.2223	1453085.1493
Y	21-75.89	55.00	672262.5967	1452952.1593
Y	23-93.25	-57.00	672039.2506	1453051.6882
Y	24-75.00	55.00	671963.9681	1452935.2446
Y	25-90.00	55.00	671849.1521	1452928.7412
Y	25-91.00	-57.00	671841.8201	1453040.5055
Y	26-00.00	84.00	671840.8081	1452899.2221
Y	26-40.00	-66.00	671792.3895	1453046.7201
Y	26-47.00	107.00	671795.1840	1452873.6011
Y	27-78.00	67.00	671662.1316	1452906.1289
Y	28-45.00	54.00	671594.5037	1452915.3192
Y	30-52.79	54.00	671387.0495	1452903.5688
Y	31-25.00	-55.00	671308.7877	1453088.3106
Y	31-75.00	66.00	671265.7103	1452884.6767
Y	32-44.71	-60.00	671188.9865	1453006.5330
Y	32-44.76	66.00	671196.0596	1452880.7316
Y	33-20.00	-60.00	671111.1308	1453000.2825
Y	34-00.00	-83.00	671025.3053	1453012.3652
Y	34-25.00	66.00	671024.4507	1452861.2673
Y	35-30.00	72.00	670927.2445	1452835.2311
Y	35-45.00	-88.00	670874.6340	1452987.0825
Y	36-00.00	70.00	670862.0411	1452820.1787
Y	36-38.00	79.00	670829.9073	1452801.1786
Y	38-15.00	-115.00	670594.5112	1452919.9846
Y	38-50.00	-66.00	670580.9616	1452860.1133
Y	38-72.00	66.57	670617.7524	1452730.8727
Y	38-93.27	-66.00	670540.3657	1452840.5828
Y	42-15.00	61.17	670309.0304	1452583.3475
Y	42-15.00	85.00	670319.6487	1452562.0194
Y	42-50.00	75.00	670283.8601	1452555.3726
Y	43-42.61	-66.00	670138.1188	1452640.3223
Y	43-65.00	58.75	670173.6711	1452518.6657
Y	43-65.00	74.00	670180.4671	1452505.0150
Y	44-63.00	57.17	670085.2396	1452476.4085
Y	44-80.00	-66.00	670015.1251	1452579.0894
Y	46-15.00	75.00	669957.1143	1452392.7007
Y	46-38.00	-108.00	669854.9660	1452546.2706
Y	46-62.00	-90.00	669841.5035	1452519.4609
Y	47-40.00	-90.00	669771.6784	1452484.6981
Y	48-05.60	75.00	669786.4878	1452307.7535
Y	48-05.60	-90.00	669712.9512	1452455.4605
Y	50-00.00	-80.00	669543.7956	1452362.1421
Y	52-60.00	-65.00	669315.5514	1452236.7246
Y	55-00.00	75.00	669159.1480	1452007.0771
Y	56-60.20	-50.00	668960.7546	1452050.9815
Y	56-60.20	-65.00	668954.3002	1452064.5218
Y	57-33.50	100.00	668959.1306	1451884.0368
Y	57-33.51	50.00	668937.6053	1451929.1662

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	10-85.00	-25.01	669898.0196	1451145.3362
Y4	11-00.00	25.86	669879.3183	1451095.7161

12' SPIKE
12' SPIKE

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y5	11-60.00	-36.29	670069.3698	1451862.6742
Y5	16-89.40	-26.71	670067.7396	1452371.8171
Y5	17-00.00	32.00	670009.0831	1452382.3583

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y6	12-00.00	32.74	670593.9070	1451968.2890

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
DRWY2	11-00.00	53.00	670233.0071	1450349.9139
DRWY2	11-05.00	-30.00	670158.0404	1450385.7464

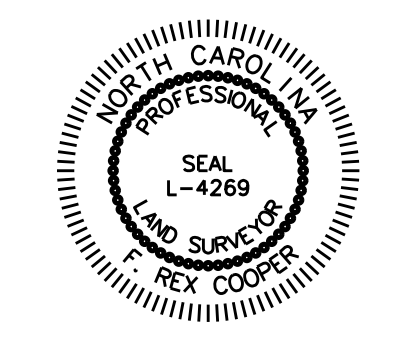
12' SPIKE
12' SPIKE

I, F. Rex Cooper, 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) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 24th day of June, 2022.

DocuSigned by:
F. Rex Cooper
61DD1950E8574DD
Professional Land Surveyor L-4269



ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	13-60.00	-38.53	671079.5997	1449090.3689
Y1	16-59.45	-30.23	670805.8224	1449035.8465

12' SPIKE
12' SPIKE

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	13-15.00	39.39	670945.7257	1449352.7570
Y2	13-40.00	-40.60	670897.6000	1449421.3669

X-SCRIBE
12' SPIKE

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	12-77.00	32.46	670062.5484	1451109.1491

NOTES:

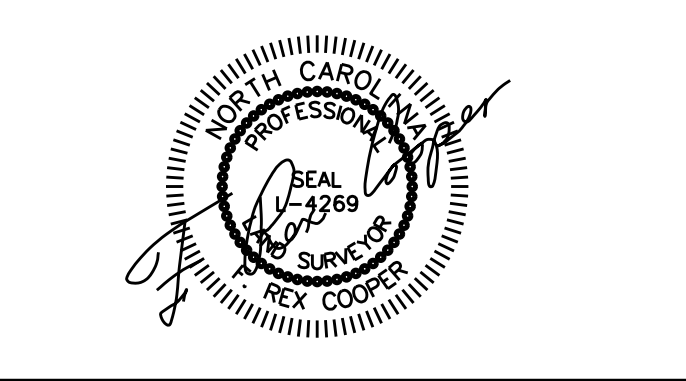
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

6/2/22
REVISIONS
TIME TO BE ADDED TO THE PROJECT

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. R-3833C	SHEET NO. RW03E-4
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Location and Surveys



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PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	12+95.00	-38.42	671141.5332	1449110.0986
Y1	13+90.00	-75.78	671039.6667	1449116.6798

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	13+00.00	39.40	670960.0191	1449357.3065

12' SPIKE

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	12+20.00	-27.85	670089.2187	1451187.8209

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y5	12+94.00	-30.89	670053.6618	1451976.7349
Y5	12+94.00	-50.00	670072.7591	1451976.0427
Y5	13+11.00	-50.00	670073.3749	1451993.0315
Y5	13+11.00	-30.93	670054.3136	1451993.7224
Y5	13+18.00	29.40	669994.2835	1452002.9029
Y5	13+26.00	46.00	669977.9812	1452011.4991
Y5	13+29.00	29.37	669994.7127	1452013.8946
Y5	13+35.00	42.00	669982.3046	1452020.3483
Y5	15+65.00	29.01	670003.9369	1452250.1263
Y5	15+65.00	46.00	669986.9698	1452250.9828
Y5	17+04.34	46.00	669994.9490	1452384.9499

12' SPIKE

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y7	15+38.00	25.96	670398.1228	1452570.1513

I, F. Rex Cooper, 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) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

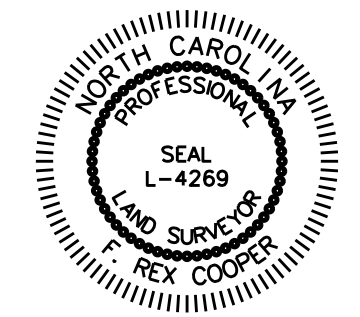
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Witness my original signature, registration number and seal this 24th day of June, 2022.

DocuSigned by:

 61DD1950E8574DD...
 Professional Land Surveyor

L-4269



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
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REVISIONS

6/2/22

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Witness my original signature, registration number and seal this 5th day of November, 2021.

DocuSigned by: F. Rex Cooper 61DD1950E8574DD... Professional Land Surveyor L-4269



PROJECT REFERENCE NO. R-3833C SHEET NO. RW04 Location and Surveys Stantec DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

FOR -L- PROFILE SEE SHEET 12 FOR -Y1- PROFILE SEE SHEET 17 FOR -Y2- PROFILE SEE SHEET 17 FOR -DRWY- PROFILE SEE SHEET 19

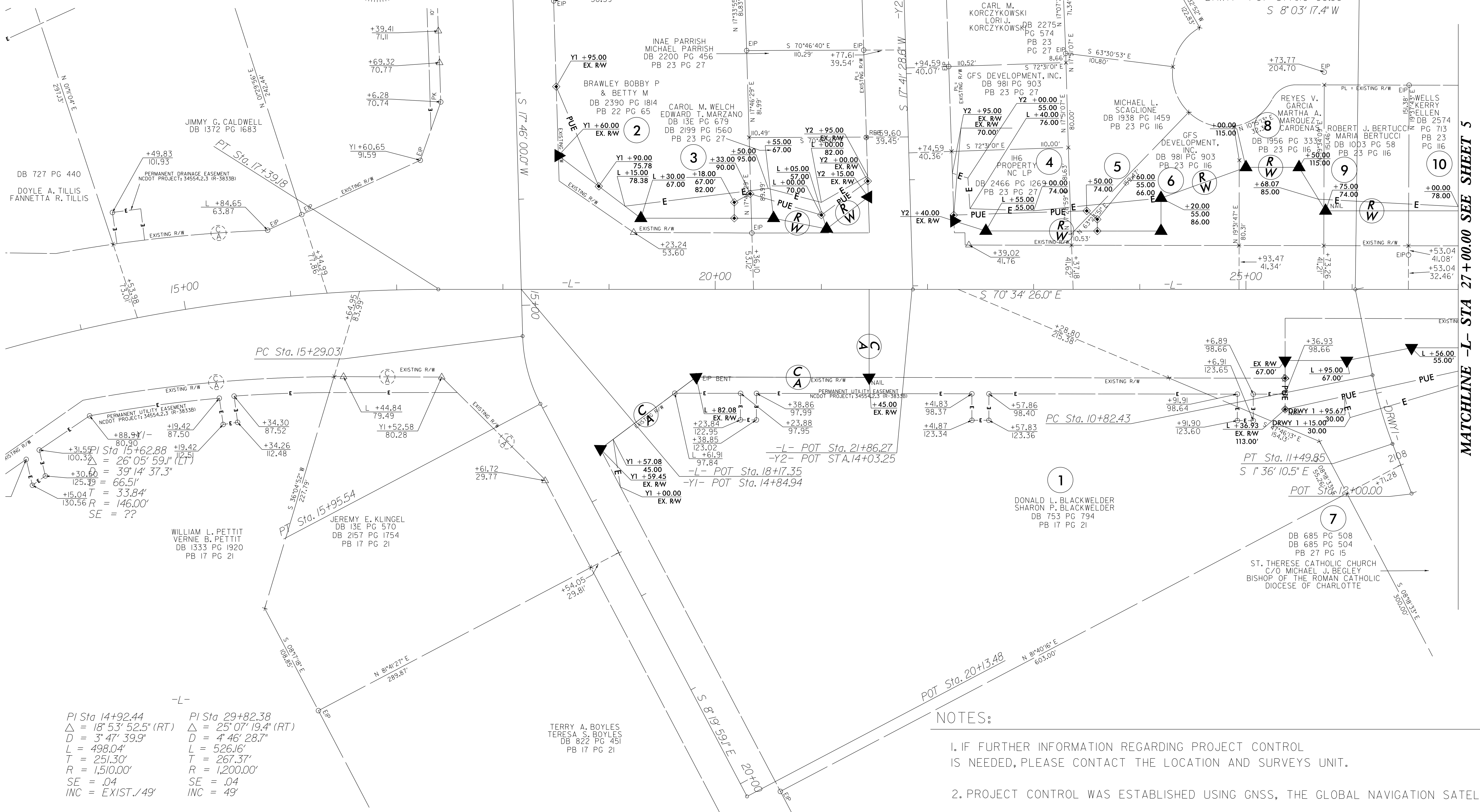
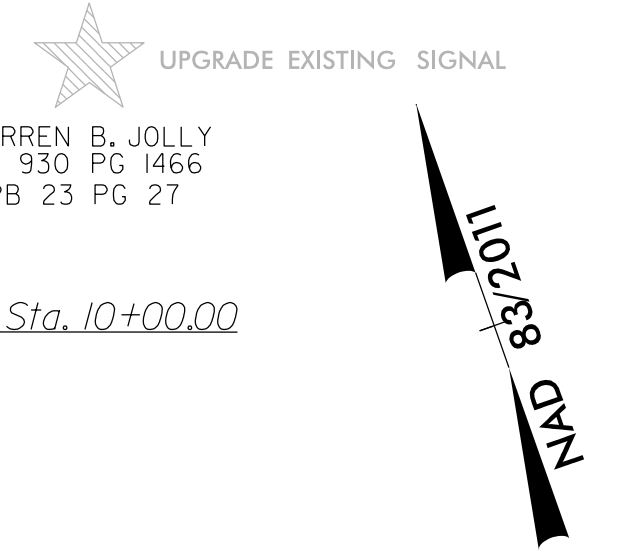


Table with 2 columns: Station, Curve Data. Includes PI Sta 14+92.44, PI Sta 29+82.38, and associated curve parameters like D, L, T, R, SE, INC.

TERRY A. BOYLES TERESA S. BOYLES DB 822 PG 451 PB 17 PG 21

- 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

MATCHLINE -L- STA 27+00.00 SEE SHEET 5

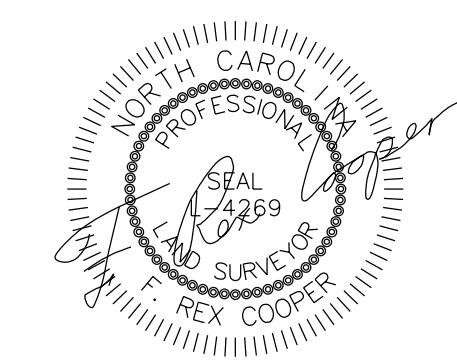
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Location and Surveys

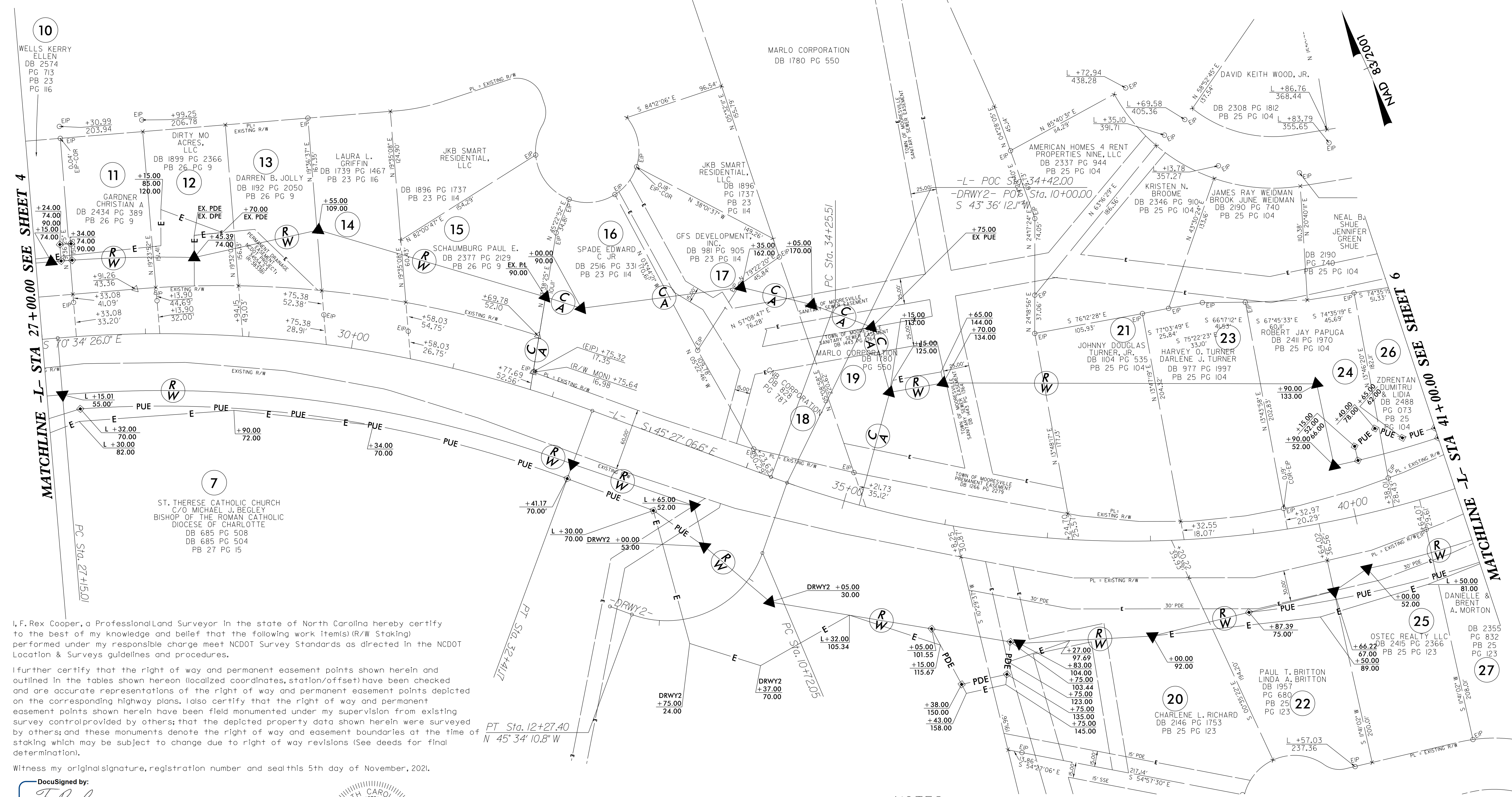


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REVISIONS



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F. Rex Cooper
61DD1950E8574DD...
Professional Land Surveyor



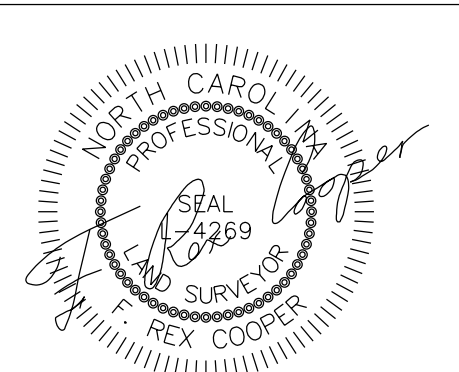
L-4269

NOTES:

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Location and Surveys



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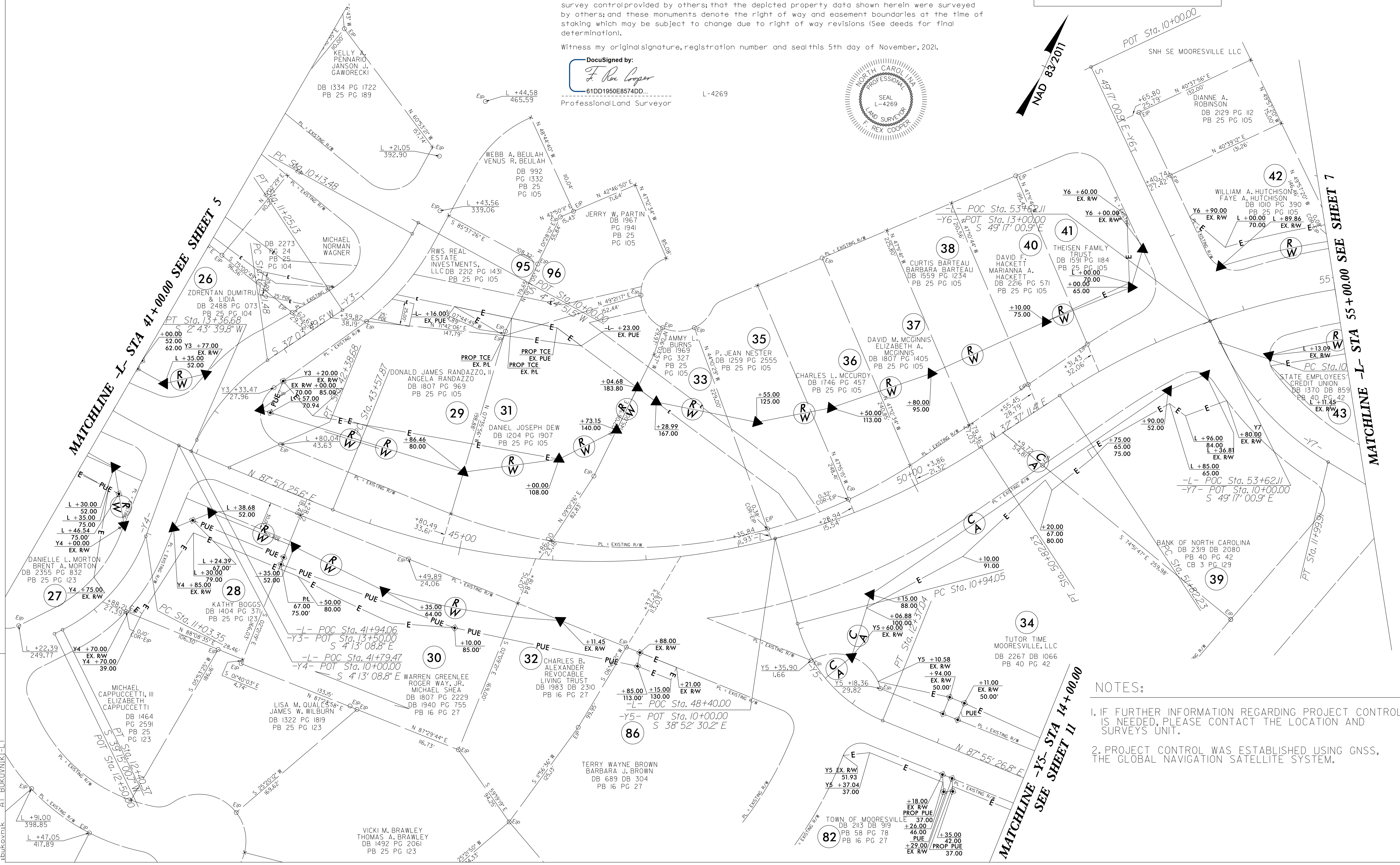
Witness my original signature, registration number and seal this 5th day of November, 2011.

DocuSigned by: F. Rex Cooper 61DD1950E8574DD... L-4269 Professional Land Surveyor

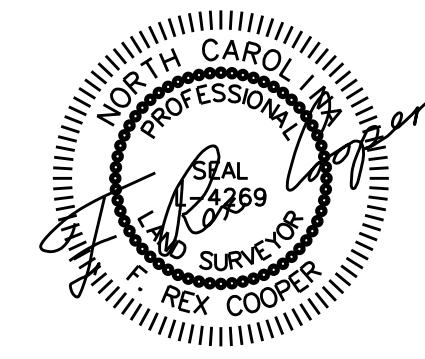


REVISIONS

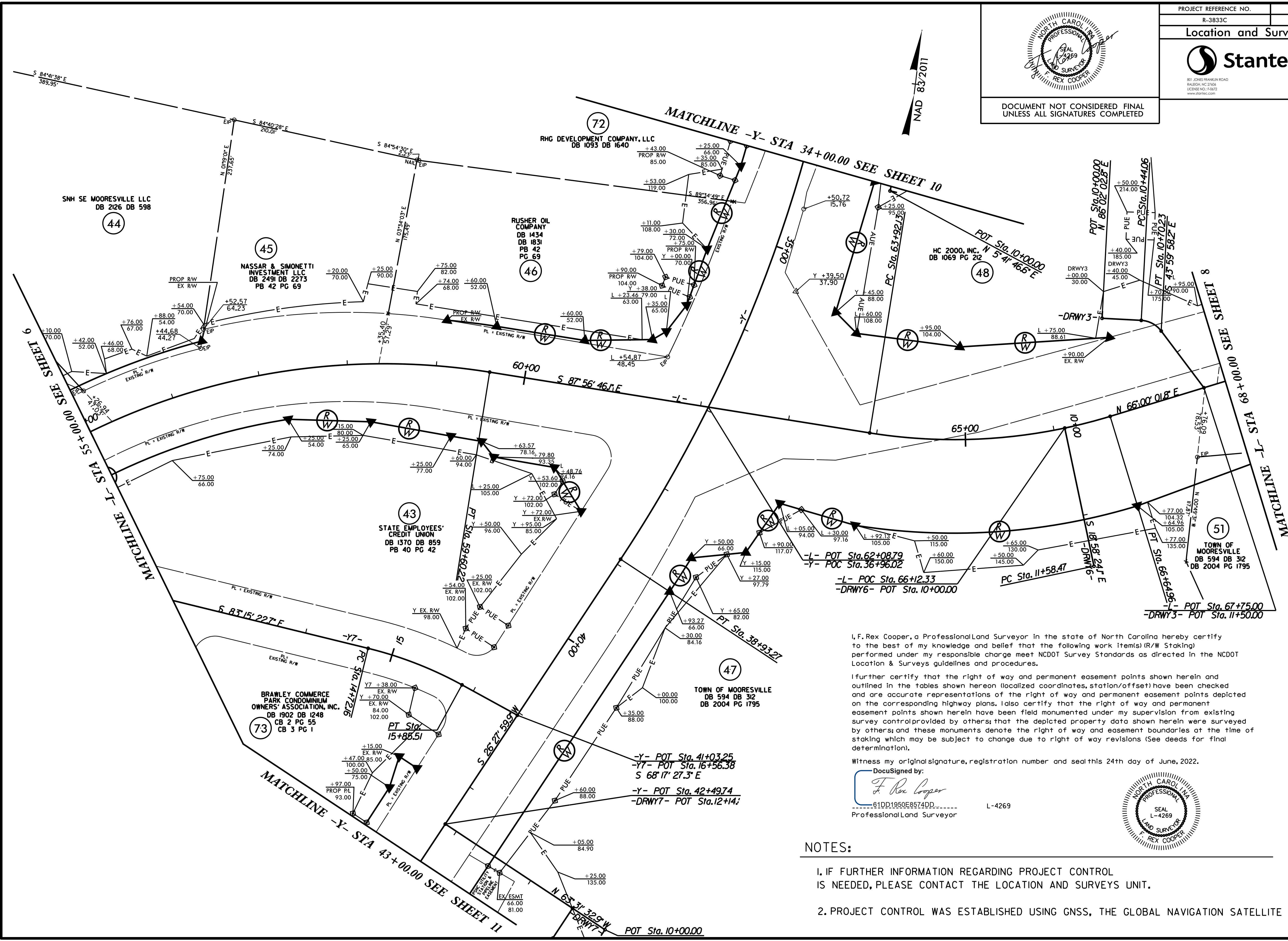
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- NOTES: 1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT. 2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.



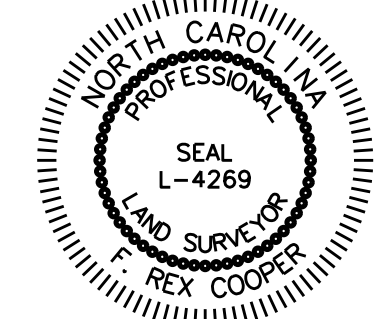
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Witness my original signature, registration number and seal this 24th day of June, 2022.

DocuSigned by:
Rex Cooper
 61DD1950E8574DD
 Professional Land Surveyor



NOTES:

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REVISIONS

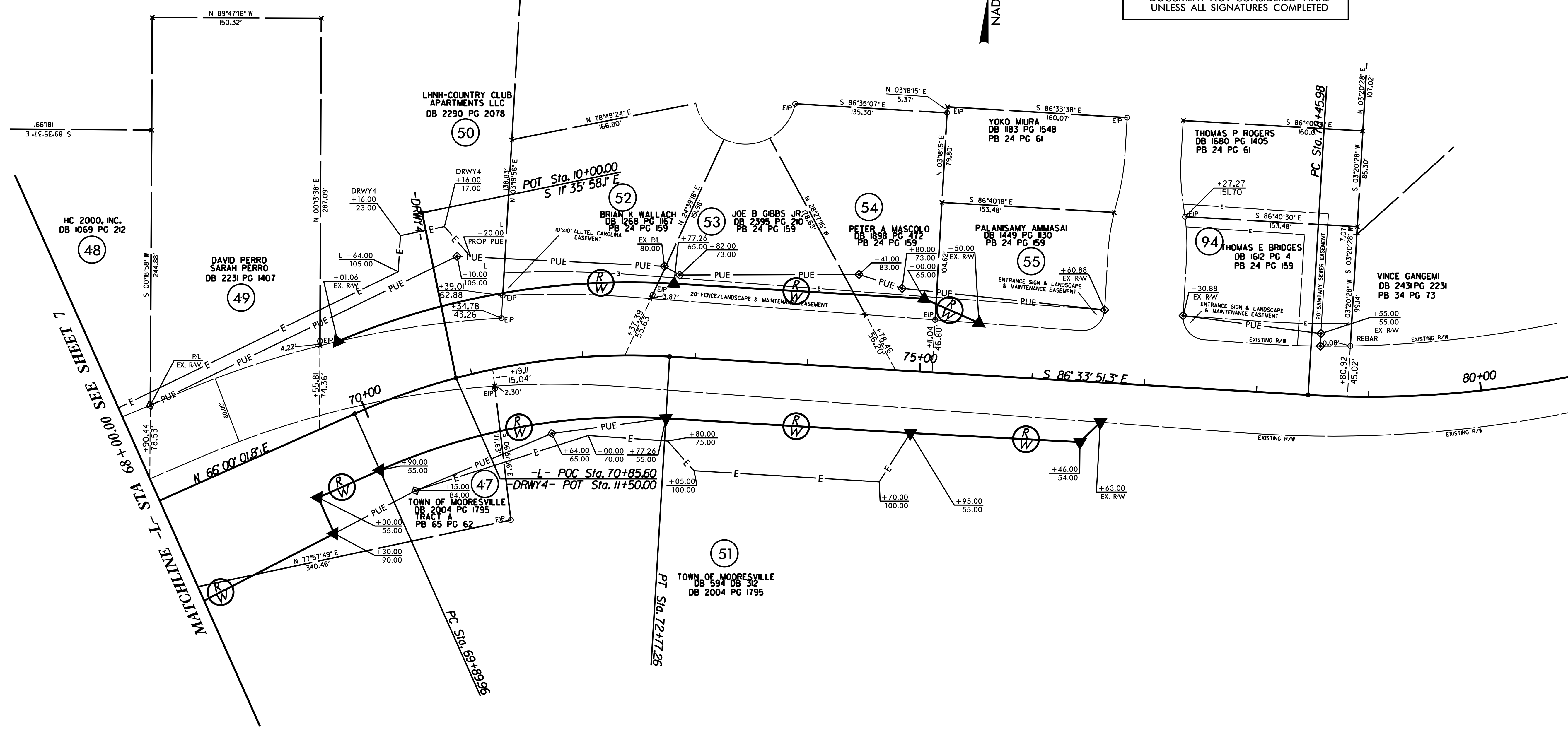
6/2/22

6/2/22

Location and Surveys



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REVISIONS

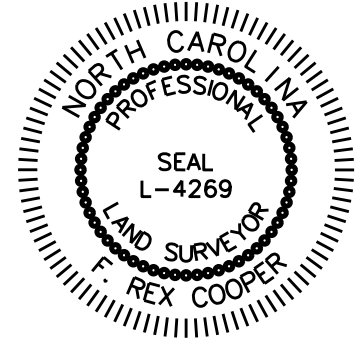
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DocuSigned by:
F. Rex Cooper
61DD1950E8574DD...
Professional Land Surveyor

L-4269



NOTES:

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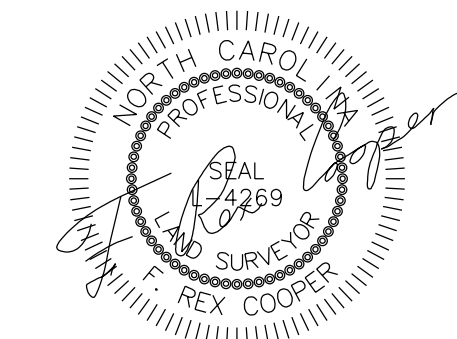
SYTIME DESIGN

Location and Surveys



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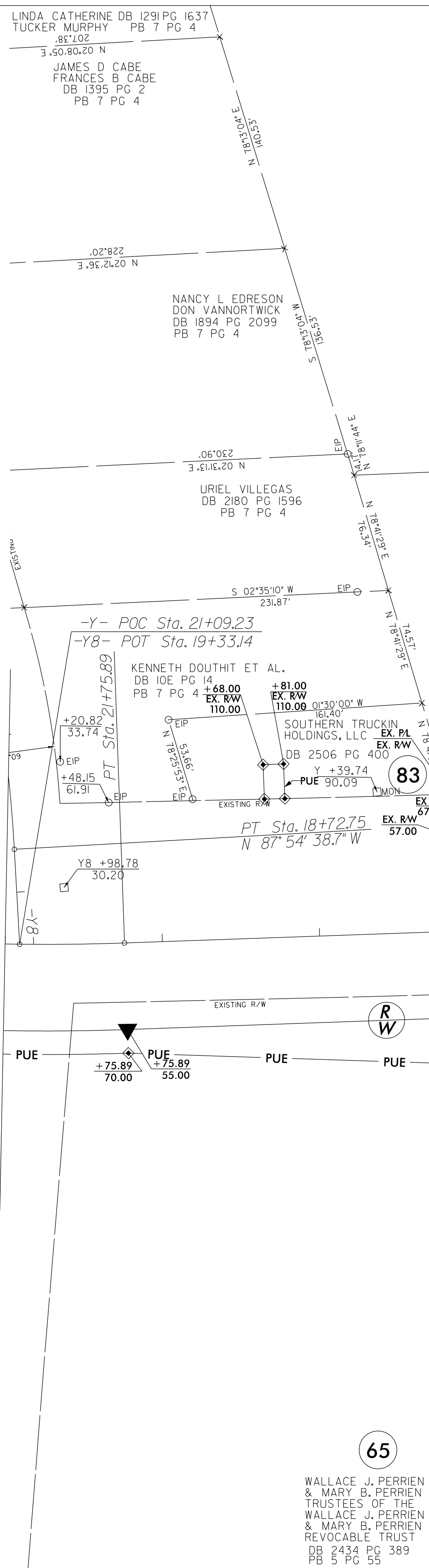
NAD 83/NA 2011

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DocuSigned by:
F. Rex Cooper
61DD1950E8574DD... L-4269
Professional Land Surveyor



MATCHLINE -Y- STA 21+00.00 SEE SHEET 9

MATCHLINE -Y- STA 34+00.00 SEE SHEET 7

REVISIONS

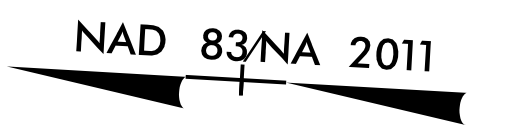
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NOTES:

- 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.

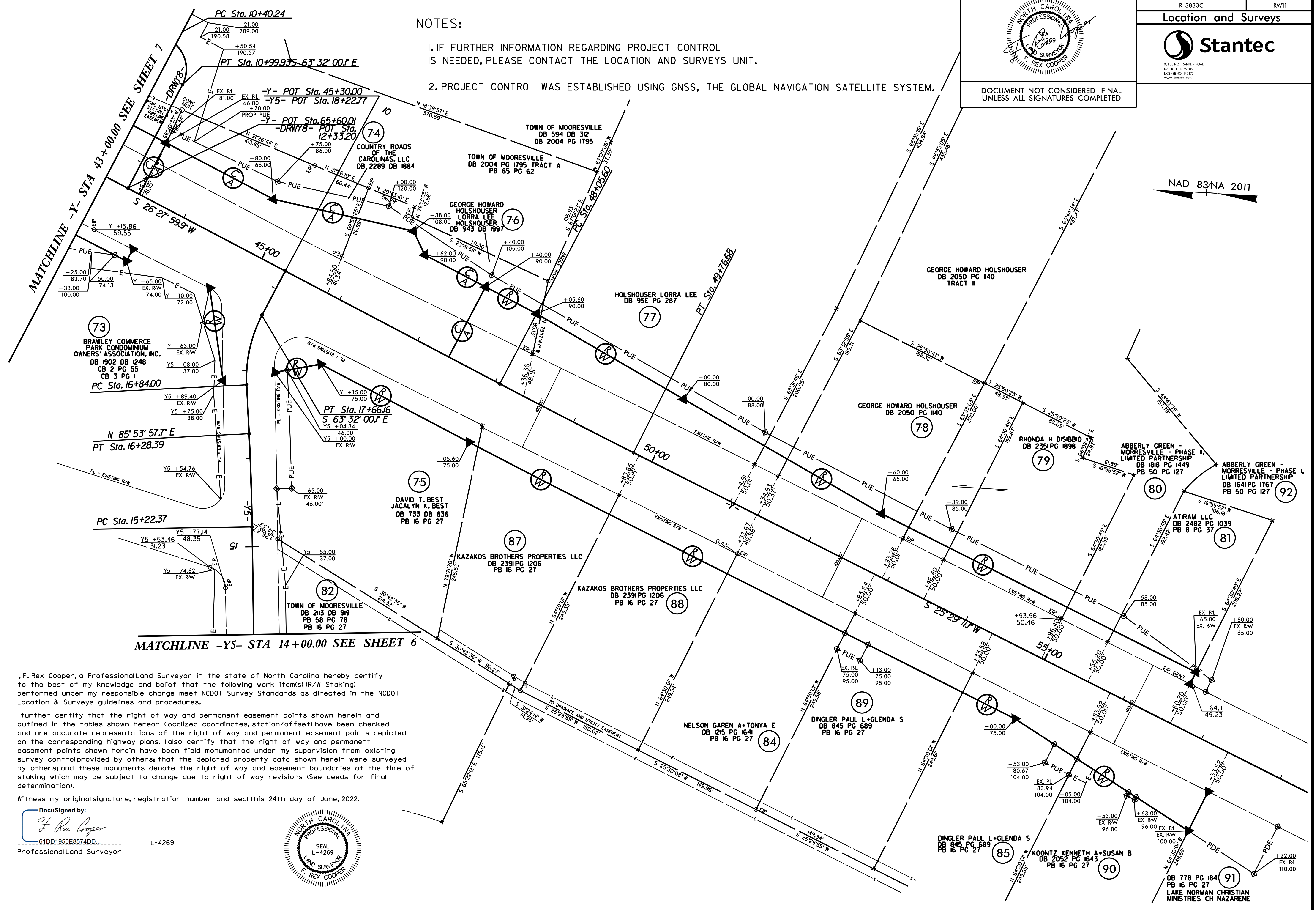


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



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.



I, F. Rex Cooper, 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) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 24th day of June, 2022.

DocuSigned by:

 61DD1950E8574DD L-4269
 Professional Land Surveyor



REVISIONS

6/2/22