

09/05/19

TIP PROJECT: Y4810K

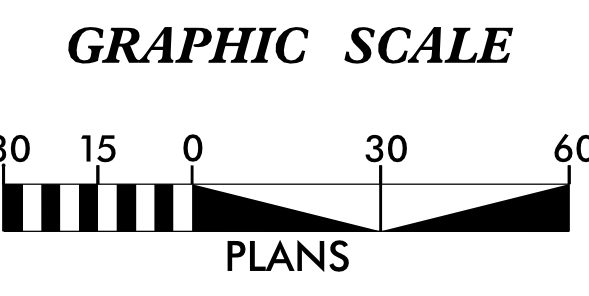
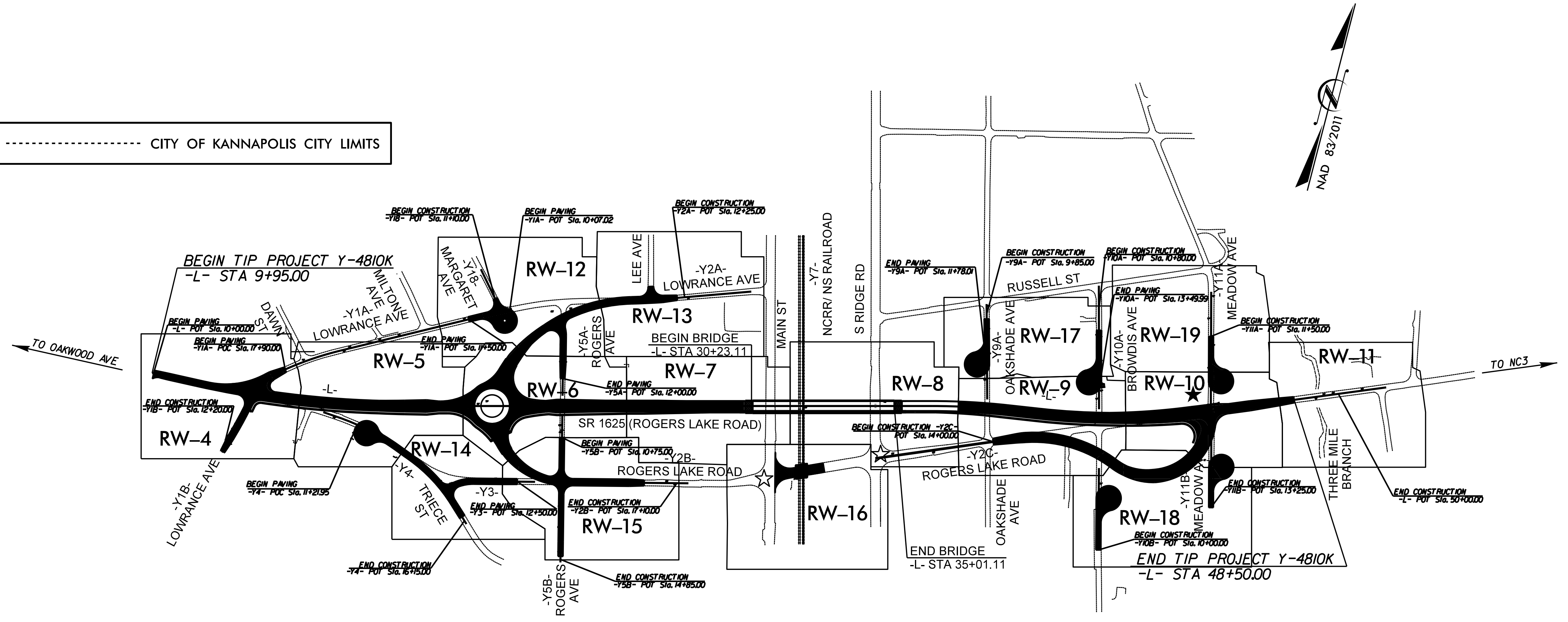
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

CABARRUS COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	Y4810K	RW01	27

----- CITY OF KANNAPOLIS CITY LIMITS



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "Y48105-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 632818.333(ft) EASTING: 1516238.160(ft) ELEVATION: 778.41(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999849000004

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "Y4810K-2" TO -L- STATION 9+95.00 IS S 63°09'04.7" W 2150.589(ft)

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

Prepared in the Office of:



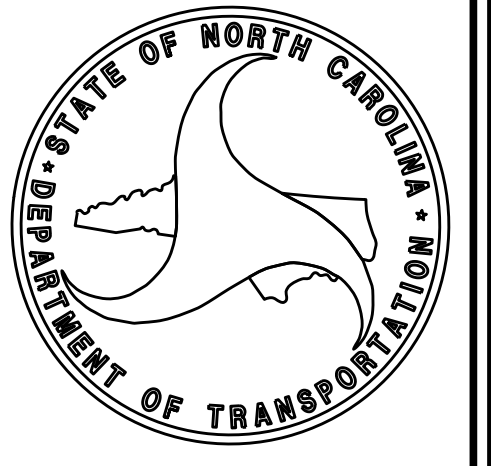
Dewberry Engineers Inc.
8900 Harris Corners Pkwy - Suite 220
Charlotte, NC 28269
Phone: 704.509.9918
Fax: 704.509.9937
www.dewberry.com
NCBELS #F-0929

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
MAY 25, 2018

LETTING DATE:
JUNE 16, 2020

PROFESSIONAL LAND SURVEYOR

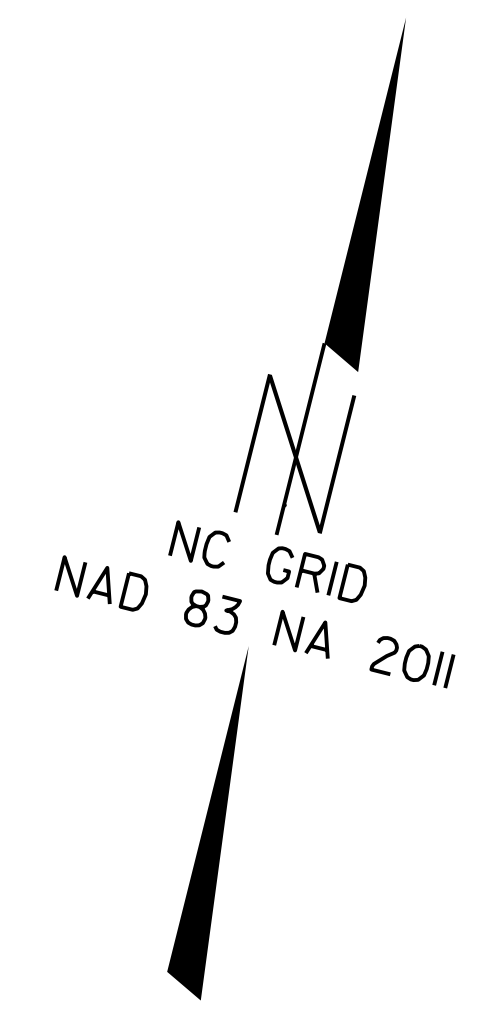


SIGNATURE: [Signature] 07-12-19 Date:

\$\$\$\$\$ SYSTEM \$\$\$\$\$\$
\$\$\$\$\$ DDN \$\$\$\$\$\$
\$\$\$\$\$ USERNAME \$\$\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
Y-4810K	RW02C-1
Location and Surveys	

SURVEY CONTROL SHEET



Y4810K-6

Y4810K-5

DATUM DESCRIPTION

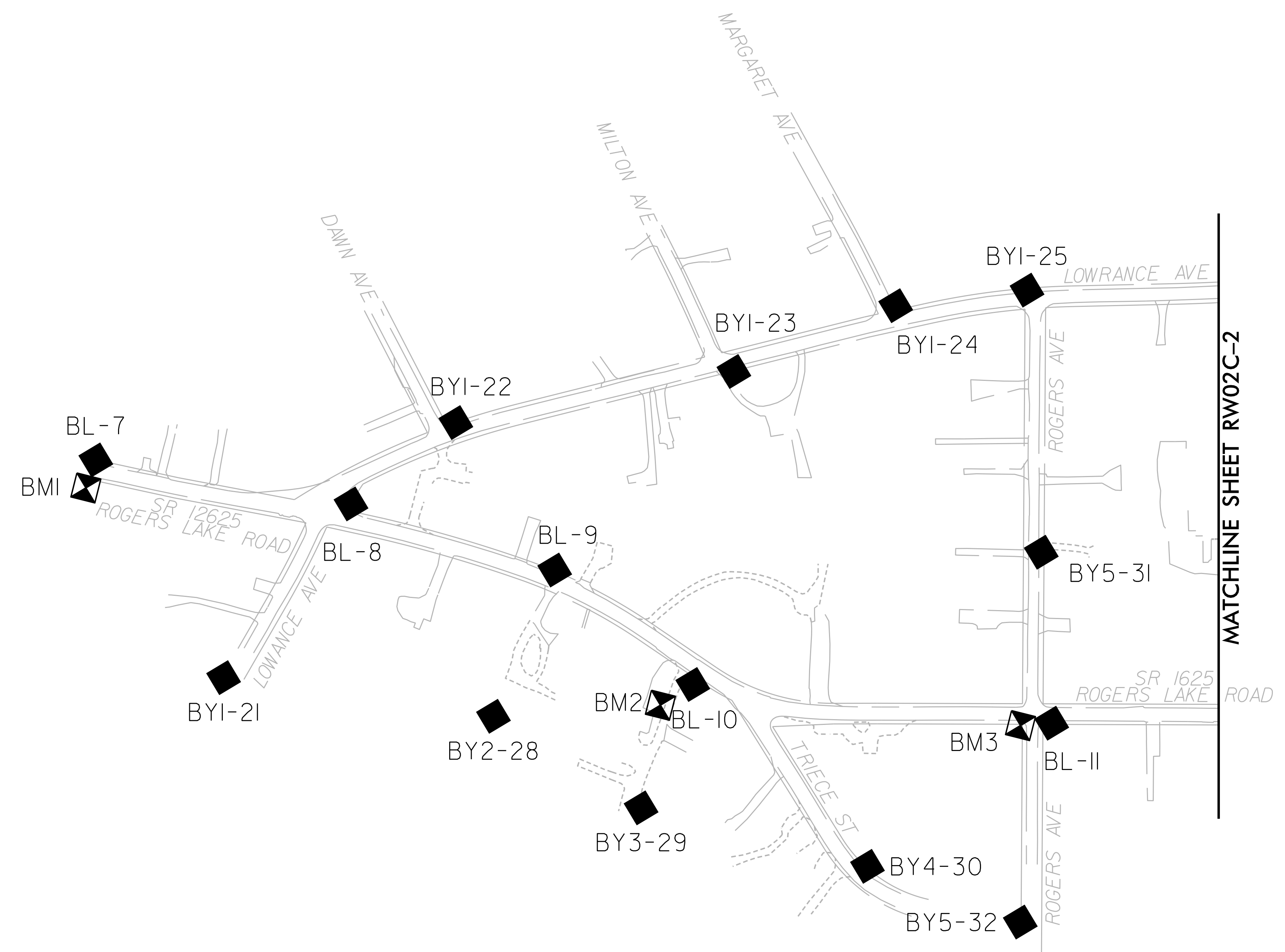
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "Y4810K-2"

WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
 NORTHING: 632818.333(ft) EASTING: 1516238.160(ft)
 ELEVATION: 778.41(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999849

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "Y4810K-2" TO -L- STATION 9+95.00 IS
 S 63°09'04.7" 2150.589

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



MATCHLINE SHEET RW02C-2

- 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

6/2/09

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SURVEY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
Y-4810K	RW02C-10
Location and Surveys	

EY11									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	632366.278	1517862.843							
LINE			N 14°10'06.6" W	217.83					
POT	632577.478	1517809.525							
LINE			N 16°15'40.6" W	60.58					
POT	632635.635	1517792.562							
LINE			N 14°13'12.4" W	374.37					
PC	632998.529	1517700.600							
CURVE			N 25°13'25.3" W	107.98	22°00'25.7"(LT)	20°15'22.1"	108.64	55.00	282.86
PT	633096.212	1517654.584							
LINE			N 36°13'38.1" W	90.54					
POT	633169.246	1517601.078							
LINE			N 37°14'01.7" W	157.95					
POT	633295.003	1517505.506							
LINE			N 36°33'41.3" W	154.44					
POT	633419.050	1517413.510							
LINE			N 34°28'15.1" W	89.27					
POT	633492.643	1517362.986							
LINE			N 32°00'41.2" W	145.57					
POT	633616.079	1517285.821							

EY12				
POINT	N	E	BEARING	DIST
POT	632627.373	1518416.822		
LINE			N 22°46'25.7" W	216.15
POT	632826.673	1518333.151		

EY13				
POINT	N	E	BEARING	DIST
POT	632868.904	1518434.604		
LINE			N 10°45'40.3" W	246.36
POT	633110.932	1518388.604		

EY14				
POINT	N	E	BEARING	DIST
POT	633240.620	1516473.244		
LINE			N 76°26'54.5" E	1072.83
POT	633492.005	1517516.203		

NOTES:

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REVISIONS

6/2/09
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SURVEY CONTROL SHEET

EY15

POINT	N	E	BEARING	DIST
POT	632629.877	1516627.314		
LINE			N 67°14'32.5" E	1133.51
POT	633068.357	1517672.581		

EY16

POINT	N	E	BEARING	DIST
POT	632015.399	1514811.382		
LINE			N 41°23'19.7" W	208.04
POT	632171.482	1514673.831		

EY17

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	632216.800	1515174.364							
CURVE			N 39°02'37.7" W	213.06	04°48'03.4"(LT)	02°15'09.5"	213.13	106.63	2543.51
PT	632382.279	1515040.152							

EY18

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	632339.069	1515405.274							
CURVE			N 40°42'39.2" W	170.67	04°26'04.7"(LT)	02°35'51.8"	170.71	85.40	2205.61
PT	632468.438	1515293.956							
LINE			N 42°55'41.6" W	36.43					
POT	632495.115	1515269.142							

EY19

POINT	N	E	BEARING	DIST
POT	632503.772	1515882.133		
LINE			N 14°17'00.3" W	218.51
POT	632715.529	1515828.222		

NOTES:

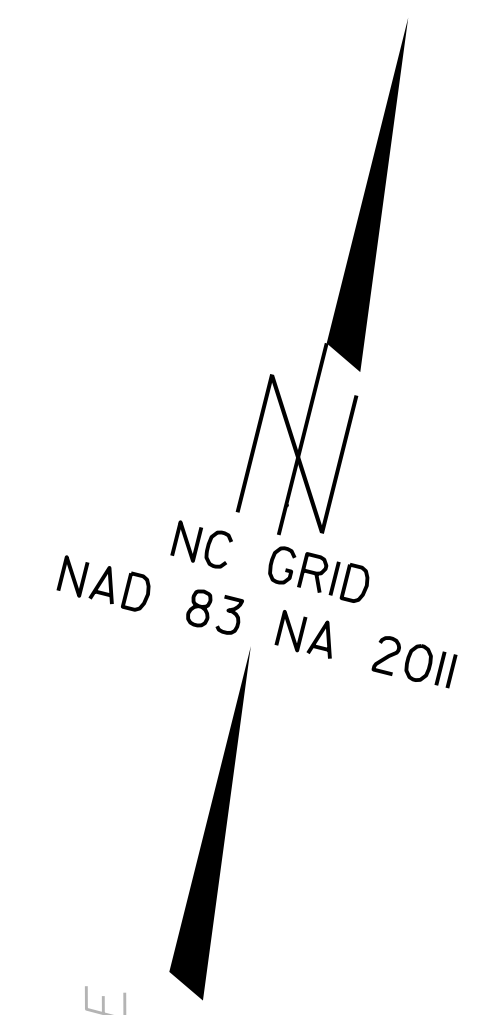
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REVISIONS

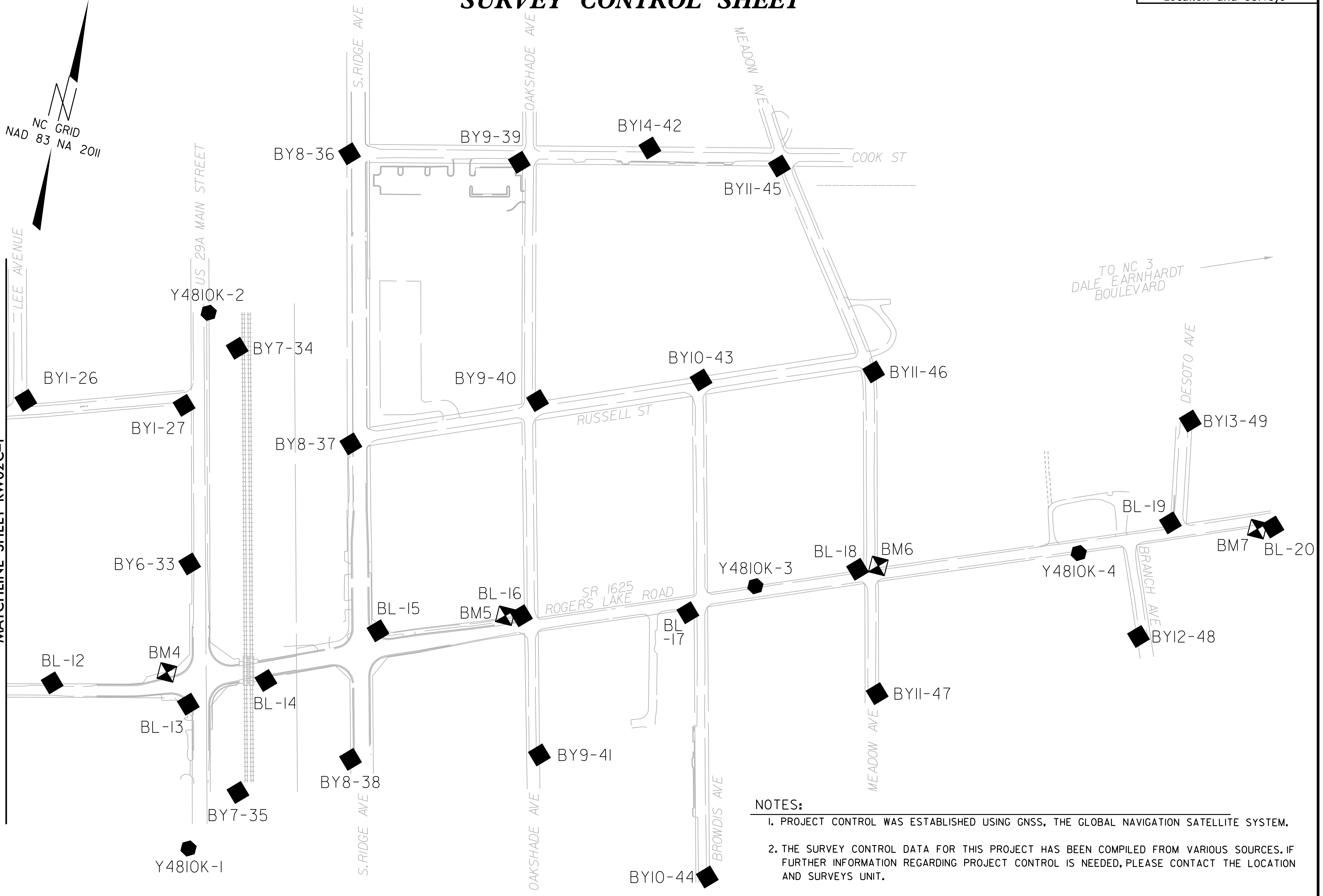
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PROJECT REFERENCE NO.	SHEET NO.
Y4810-K	RW02C-2
Location and Surveys	

SURVEY CONTROL SHEET



MATCHLINE SHEET RW02C-1



TO NC 3
DALE EARNHARDT
BOULEVARD →

NOTES:

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REVISIONS

6/2/09
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SURVEY CONTROL SHEET

BL	POINT	DESC.	NORTH	EAST	ELEVATION
6		Y4810K-6	631897.0060	1513120.5550	723.90
5		Y4810K-5	631838.5080	1514097.0620	762.08
7		BL-7	631862.1080	1514330.0050	768.75
8		BL-8	631890.2190	1514706.1470	769.53
9		BL-9	631868.8760	1515017.3260	768.53
10		BL-10	631755.9690	1515252.8780	761.21
11		BL-11	631828.2630	1515773.7770	760.22
12		BL-12	631940.2460	1516101.1870	772.50
13		BL-13	631967.6800	1516404.5820	772.69
14		BL-14	632060.1150	1516558.3060	777.13
15		BL-15	632226.9480	1516771.9790	781.74
16		BL-16	632336.2840	1517071.5540	781.49
17		BL-17	632432.1300	1517426.9680	778.10
3		Y4810K-3	632525.3620	1517557.4810	772.02
18		BL-18	632616.4570	1517767.4870	756.42
4		Y4810K-4	632770.1320	1518233.1140	730.24
19		BL-19	632884.0010	1518413.5410	744.79
20		BL-20	632930.1510	1518635.5850	753.05

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
27		BY1-27	632606.4760	1516234.9690	776.73
26		BY1-26	632532.1570	1515892.8150	785.28
25		BY1-25	632431.4610	1515585.6970	777.30
24		BY1-24	632363.0050	1515405.6110	778.63
23		BY1-23	632212.8110	1515200.2530	776.24
22		BY1-22	632042.2190	1514825.4840	771.41
8		BL-8	631890.2190	1514706.1470	769.53
21		BY1-21	631599.6820	1514587.5960	764.86

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REVISIONS

6/2/09

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SURVEY CONTROL SHEET

BY2

POINT	DESC.	NORTH	EAST	ELEVATION
9	BL - 9	631868.8760	1515017.3260	768.53
28	BY2 - 28	631640.5250	1514982.5540	764.73

BY3

POINT	DESC.	NORTH	EAST	ELEVATION
10	BL - 10	631755.9690	1515252.8780	761.21
29	BY3 - 29	631563.3910	1515223.5360	758.12

BY4

POINT	DESC.	NORTH	EAST	ELEVATION
30	BY4 - 30	631560.8270	1515564.0780	754.34
32	BY5 - 32	631536.1650	1515799.6870	767.10
1	Y4810K - 1	631658.2890	1516482.6930	766.10

BY5

POINT	DESC.	NORTH	EAST	ELEVATION
25	BY1 - 25	632431.4610	1515585.6970	777.30
31	BY5 - 31	632066.1790	1515698.5080	763.41
11	BL - 11	631828.2630	1515773.7770	760.22
32	BY5 - 32	631536.1650	1515799.6870	767.10

NOTES:

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REVISIONS

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SURVEY CONTROL SHEET

BY6

POINT	DESC.	NORTH	EAST	ELEVATION
2	Y4810K-2	632818.3330	1516238.1600	778.41
27	BY1-27	632606.4760	1516234.9690	776.73
33	BY6-33	632269.1900	1516332.2280	773.36
13	BL-13	631967.6800	1516404.5820	772.69
1	Y4810K-1	631658.2890	1516482.6930	766.10

BY7

POINT	DESC.	NORTH	EAST	ELEVATION
34	BY7-34	632757.4850	1516318.2500	777.56
14	BL-14	632060.1150	1516558.3060	777.13
35	BY7-35	631804.8780	1516558.5250	771.78

BY8

POINT	DESC.	NORTH	EAST	ELEVATION
36	BY8-36	633235.0220	1516454.8160	771.85
37	BY8-37	632613.3080	1516613.3950	779.56
15	BL-15	632226.9480	1516771.9790	781.74
38	BY8-38	631936.3250	1516782.1320	773.93

BY9

POINT	DESC.	NORTH	EAST	ELEVATION
39	BY9-39	633307.9850	1516823.5590	764.79
40	BY9-40	632806.4090	1516990.3820	766.37
16	BL-16	632336.2840	1517071.5540	781.49
41	BY9-41	632047.3210	1517184.8660	765.94

NOTES:

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REVISIONS

6/2/09
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SURVEY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
Y-4810K	RW02C-6
Location and Surveys	

BY10

POINT	DESC.	NORTH	EAST	ELEVATION
42	BY14-42	633408.7040	1517095.8360	765.97
43	BY10-43	632938.4980	1517330.1630	759.81
17	BL-17	632432.1300	1517426.9680	778.10
44	BY10-44	631875.5710	1517610.4430	748.59

 BM1 ELEVATION = 768.77
 N 631819 E 1514326
 RR SPIKE IN BASE OF POWER POLE

BY11

POINT	DESC.	NORTH	EAST	ELEVATION
45	BY11-45	633439.5810	1517383.3100	753.54
46	BY11-46	633048.5430	1517695.9080	749.06
18	BL-18	632616.4570	1517767.4870	756.42
47	BY11-47	632360.1130	1517876.2670	756.26

 BM2 ELEVATION = 765.43
 N 631715 E 1515215
 PUNCH HOLE IN PAINTED BOLT ON TOWER

BY12

POINT	DESC.	NORTH	EAST	ELEVATION
4	Y4810K-4	632770.1320	1518233.1140	730.24
48	BY12-48	632623.1050	1518406.0810	738.34

 BM3 ELEVATION = 758.40
 N 631814 E 1515731
 RR SPIKE IN BASE OF POWER POLE

 BM4 ELEVATION = 774.05
 N 632024 E 1516342
 RR SPIKE IN BASE OF POWER POLE

 BM5 ELEVATION = 783.80
 N 632328 E 1517037
 RR SPIKE IN ROOT OF 36" OAK

BY13

POINT	DESC.	NORTH	EAST	ELEVATION
49	BY13-49	633113.1440	1518401.2770	748.36
19	BL-19	632884.0010	1518413.5410	744.79

 BM6 ELEVATION = 754.19
 N 632635 E 1517810
 RR SPIKE IN BASE OF POWER POLE

 BM7 ELEVATION = 754.03
 N 632917 E 1518603
 RR SPIKE IN BASE OF TELEPHONE POLE

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REVISIONS

6/2/09

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SURVEY CONTROL SHEET

PROJECT REFERENCE NO. Y-4810K	SHEET NO. RW02C-7
Location and Surveys	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	631847.206	1514324.397							
LINE			N 88°12'37.0" E	129.73					
POT	631851.257	1514454.066							
LINE			N 86°37'32.9" E	208.79					
POT	631863.546	1514662.497							
LINE			N 88°20'50.1" E	95.04					
PC	631866.287	1514757.495							
CURVE			S 87°42'20.6" E	221.97	06°14'32.3"(RT)	02°48'38.9"	222.08	111.15	2038.41
PCC	631857.402	1514979.290							
CURVE			S 77°01'36.4" E	190.95	14°16'07.8"(RT)	07°27'11.5"	191.45	96.22	768.74
PT	631814.534	1515165.368							
LINE			S 69°53'32.5" E	116.99					
PC	631774.316	1515275.223							
CURVE			S 87°02'40.8" E	187.28	34°18'16.5"(LT)	18°02'40.7"	190.11	98.00	317.52
PT	631764.660	1515462.257							
LINE			N 75°48'11.0" E	63.55					
POT	631780.245	1515523.863							
LINE			N 76°07'45.9" E	653.48					
POT	631936.903	1516158.285							
LINE			N 76°13'54.0" E	114.12					
PC	631964.063	1516269.126							
CURVE			N 71°08'32.5" E	35.48	10°10'42.9"(LT)	28°38'52.4"	35.53	17.81	200.00
PT	631975.532	1516302.704							
LINE			N 66°03'11.1" E	489.81					
POT	632174.341	1516750.352							
LINE			N 67°13'31.7" E	410.54					
POT	632333.264	1517128.885							
LINE			N 67°41'54.8" E	290.05					
POT	632443.331	1517397.238							
LINE			N 67°31'05.3" E	134.05					
POT	632494.589	1517521.097							
LINE			N 67°29'38.2" E	277.26					
POT	632600.718	1517777.238							
LINE			N 67°52'14.9" E	152.26					
POT	632658.074	1517918.282							
LINE			N 67°53'01.0" E	466.55					
POT	632833.724	1518350.500							
LINE			N 67°18'01.9" E	301.38					
POT	632950.024	1518628.532							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	631646.730	1514613.562							
LINE			N 15°56'05.0" E	83.88					
PC	631727.382	1514636.590							
CURVE			N 12°46'07.8" E	139.76	06°19'54.5"(LT)	04°31'41.0"	139.84	69.99	1265.35
PT	631863.690	1514667.480							

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REVISIONS

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SURVEY CONTROL SHEET

PROJECT REFERENCE NO. Y-4810K	SHEET NO. RW02C-8
Location and Surveys	

EY1A

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	631861.724	1514631.595							
CURVE			N 52°35'17.4" E	354.86	18°33'52.2"(RT)	05°12'31.3"	356.41	179.78	1100.00
PT	632077.313	1514913.453							
LINE			N 61°52'13.5" E	520.35					
POT	632322.644	1515372.345							
LINE			N 63°29'24.3" E	89.71					
PC	632362.685	1515452.621							
CURVE			N 69°04'11.0" E	212.99	11°09'33.4"(RT)	05°13'52.2"	213.32	107.00	1095.28
PT	632438.770	1515651.553							
LINE			N 74°38'57.7" E	142.38					
PC	632476.462	1515788.854							
CURVE			N 72°40'41.4" E	197.88	03°56'32.5"(LT)	01°59'30.8"	197.92	99.00	2876.47
PT	632535.380	1515977.763							
LINE			N 70°42'25.2" E	238.13					
PC	632614.057	1516202.517							
CURVE			N 73°29'51.3" E	65.73	05°34'52.3"(RT)	08°29'17.7"	65.75	32.90	675.00
PT	632632.726	1516265.535							

EY4

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	631761.285	1515321.333							
LINE			S 45°58'19.1" E	259.26					
PC	631581.099	1515507.739							
CURVE			S 62°57'22.9" E	125.61	33°58'07.5"(LT)	26°38'57.1"	127.47	65.67	215.00
PT	631523.989	1515619.612							

EY5

POINT	N	E	BEARING	DIST
POT	631621.683	1515795.692		
LINE			N 13°41'17.5" W	825.14
POT	632423.388	1515600.432		

EY6

POINT	N	E	BEARING	DIST
POT	631803.149	1516475.516		
LINE			N 14°10'13.5" W	454.72
POT	632244.035	1516364.197		
LINE			N 14°14'33.5" W	588.49
POT	632814.436	1516219.411		

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

6/2/09

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SURVEY CONTROL SHEET

EY7

POINT	N	E	BEARING	DIST
POT	631833.987	1516583.665		
LINE			N 14°25'24.9" W	1040.16
POT	632841.357	1516324.574		

EY8

POINT	N	E	BEARING	DIST
POT	631951.064	1516804.761		
LINE			N 14°38'59.1" W	749.14
POT	632675.852	1516615.296		
LINE			N 14°07'06.0" W	718.41
POT	633372.563	1516440.057		

EY9

POINT	N	E	BEARING	DIST
POT	632044.253	1517170.639		
LINE			N 14°37'17.4" W	248.00
POT	632284.220	1517108.036		
LINE			N 14°58'04.7" W	101.06
POT	632381.854	1517081.934		
LINE			N 14°47'51.1" W	351.98
POT	632722.158	1516992.037		
LINE			N 14°25'02.3" W	109.88
POT	632828.579	1516964.678		
LINE			N 13°49'58.6" W	462.03
POT	633277.205	1516854.212		
LINE			N 13°55'37.0" W	178.07
POT	633450.042	1516811.353		

EY10

POINT	N	E	BEARING	DIST
POT	631861.407	1517603.691		
LINE			N 14°26'13.0" W	583.88
POT	632426.855	1517458.121		
LINE			N 14°25'24.6" W	69.39
POT	632494.059	1517440.836		
LINE			N 14°30'16.1" W	444.55
POT	632924.437	1517329.497		

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

6/2/09

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SURVEY CONTROL SHEET

EY11									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	632366.278	1517862.843							
LINE			N 14°10'06.6" W	217.83					
POT	632577.478	1517809.525							
LINE			N 16°15'40.6" W	60.58					
POT	632635.635	1517792.562							
LINE			N 14°13'12.4" W	374.37					
PC	632998.529	1517700.600							
CURVE			N 25°13'25.3" W	107.98	22°00'25.7"(LT)	20°15'22.1"	108.64	55.00	282.86
PT	633096.212	1517654.584							
LINE			N 36°13'38.1" W	90.54					
POT	633169.246	1517601.078							
LINE			N 37°14'01.7" W	157.95					
POT	633295.003	1517505.506							
LINE			N 36°33'41.3" W	154.44					
POT	633419.050	1517413.510							
LINE			N 34°28'15.1" W	89.27					
POT	633492.643	1517362.986							
LINE			N 32°00'41.2" W	145.57					
POT	633616.079	1517285.821							

EY12				
POINT	N	E	BEARING	DIST
POT	632627.373	1518416.822		
LINE			N 22°46'25.7" W	216.15
POT	632826.673	1518333.151		

EY13				
POINT	N	E	BEARING	DIST
POT	632868.904	1518434.604		
LINE			N 10°45'40.3" W	246.36
POT	633110.932	1518388.604		

EY14				
POINT	N	E	BEARING	DIST
POT	633240.620	1516473.244		
LINE			N 76°26'54.5" E	1072.83
POT	633492.005	1517516.203		

- NOTES:
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
 - 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

6/2/09
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SURVEY CONTROL SHEET

EY15

POINT	N	E	BEARING	DIST
POT	632629.877	1516627.314		
LINE			N 67°14'32.5" E	1133.51
POT	633068.357	1517672.581		

EY16

POINT	N	E	BEARING	DIST
POT	632015.399	1514811.382		
LINE			N 41°23'19.7" W	208.04
POT	632171.482	1514673.831		

EY17

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	632216.800	1515174.364							
CURVE			N 39°02'37.7" W	213.06	04°48'03.4"(LT)	02°15'09.5"	213.13	106.63	2543.51
PT	632382.279	1515040.152							

EY18

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	632339.069	1515405.274							
CURVE			N 40°42'39.2" W	170.67	04°26'04.7"(LT)	02°35'51.8"	170.71	85.40	2205.61
PT	632468.438	1515293.956							
LINE			N 42°55'41.6" W	36.43					
POT	632495.115	1515269.142							

EY19

POINT	N	E	BEARING	DIST
POT	632503.772	1515882.133		
LINE			N 14°17'00.3" W	218.51
POT	632715.529	1515828.222		

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

6/2/09
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PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. Y-4810K	SHEET NO. RW02D-1
Location and Surveys	

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	631847.2058	1514324.3970
PC	11+48.98	631851.8586	1514473.3028
PT	18+54.59	631951.1594	1515170.4451
PC	36+27.71	632392.8241	1516887.6803
PT	38+79.53	632442.0867	1517134.5063
PC	39+91.40	632457.9465	1517245.2437
PT	45+52.02	632603.9464	1517785.0912
POT	51+62.34	632833.7237	1518350.5002

Y2B

TYPE	STATION	NORTH	EAST
PC	10+00.00	631967.7926	1515474.8430
PT	13+36.05	631838.0149	1515757.8142
POT	17+48.54	631936.9032	1516158.2848

Y2C

TYPE	STATION	NORTH	EAST
POT	10+00.00	632296.3295	1517040.9123
PC	11+51.93	632355.1425	1517180.9974
PT	15+81.01	632186.9623	1517519.8794
POT	18+11.60	631963.6555	1517577.3684

Y1A

TYPE	STATION	NORTH	EAST
POT	10+00.00	632357.4137	1515437.3826
PC	15+94.10	632077.3135	1514913.4530
PT	19+51.99	631860.6525	1514630.5860

Y3

TYPE	STATION	NORTH	EAST
POT	10+00.00	631708.8321	1515372.0070
PC	10+16.92	631721.1225	1515383.6387
PT	11+02.55	631763.6422	1515456.6246
POT	13+09.72	631813.3065	1515657.7518

Y1B

TYPE	STATION	NORTH	EAST
PC	10+00.00	631863.8452	1514667.5062
PT	11+39.99	631727.3823	1514636.5896
POT	12+23.87	631646.7299	1514613.5622

Y4

TYPE	STATION	NORTH	EAST
POT	10+00.00	631862.8040	1514909.6040
PC	10+51.13	631858.8516	1514960.5858
PT	12+76.46	631809.0464	1515179.5150
PC	13+34.59	631788.0242	1515233.7145
PT	15+46.78	631674.4421	1515411.2874
POT	16+27.81	631618.1508	1515469.5597

Y2A

TYPE	STATION	NORTH	EAST
POT	10+00.00	632614.0566	1516202.5170
PC	12+38.13	632535.3796	1515977.7628
PRC	14+05.42	632484.7263	1515818.3424
PT	19+82.44	632083.1987	1515443.5756

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.

REVISIONS

6/2/09

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PROPOSED ALIGNMENT CONTROL SHEET

Y5A

TYPE	STATION	NORTH	EAST
POT	10+00.00	632360.5732	1515599.7860
PC	10+05.04	632356.9018	1515603.2382
PT	10+56.61	632312.0630	1515627.5462
POT	12+57.70	632116.6875	1515675.1309

Y11B

TYPE	STATION	NORTH	EAST
POT	10+00.00	632610.4894	1517801.1914
POT	12+51.87	632366.2782	1517862.8434

Y5B

TYPE	STATION	NORTH	EAST
POT	10+00.00	632052.8873	1515690.6698
POT	14+95.00	631571.9463	1515807.8056

Y18

TYPE	STATION	NORTH	EAST
POT	10+00.00	632460.4710	1515303.1160
POT	11+57.60	632339.8863	1515404.5975

Y9A

TYPE	STATION	NORTH	EAST
POT	9+50.00	632770.5002	1516979.2667
POT	12+70.76	632460.3785	1517061.1901

Y10A

TYPE	STATION	NORTH	EAST
POT	10+00.00	632924.4365	1517329.4972
POT	14+15.65	632522.0351	1517433.5987

Y11A

TYPE	STATION	NORTH	EAST
POT	10+00.00	632998.5295	1517700.5995
POT	14+01.16	632609.6576	1517799.1446

REVISIONS

6/2/09
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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 INFORMATINO REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
Y-4810K	1E-1
Location and Surveys	
Dewberry Engineers Inc. 9500 Harris Corner Pkwy - Suite 200 Charlotte, NC 28268 Phone: 704.506.8918 Fax: 704.506.8927 www.dewberry.com NCEES #P-5029	

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1A	10+05.00	13.06	632366.5755	1515426.8149
Y1A	10+80.00	15.00	632332.9245	1515359.7599
Y1A	10+80.20	-70.37	632257.5447	1515399.8308
Y1A	11+10.00	-15.00	632292.3240	1515347.4474
Y1A	17+90.00	30.00	631993.6318	1514731.2017
Y1A	17+90.00	15.00	631981.8656	1514740.5052
Y1A	17+90.00	-15.00	631958.3331	1514759.1123
Y1A	18+50.00	30.00	631954.1035	1514683.9194

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1B	10+90.00	18.00	631779.9668	1514631.8715
Y1B	11+23.82	-15.00	631739.0283	1514655.4053
Y1B	11+50.00	15.00	631721.8776	1514619.4185

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1B	11+10.00	-13.31	632384.8760	1515384.1248
Y1B	11+10.00	11.70	632368.7783	1515364.9967

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2A	12+50.00	-30.00	632503.1240	1515976.3436
Y2A	12+50.00	-15.00	632517.3020	1515971.4461
Y2A	12+50.00	30.00	632559.8358	1515956.7536
Y2A	12+50.00	15.00	632545.6579	1515961.6511
Y2A	13+15.79	50.09	632558.4176	1515888.8593
Y2A	13+56.44	52.44	632548.7639	1515850.0410
Y2A	14+05.42	-35.00	632451.0755	1515827.9666
Y2A	14+05.42	35.00	632518.3771	1515808.7182
Y2A	15+42.30	35.00	632460.7993	1515675.1362
Y2A	16+00.00	-35.00	632370.6367	1515666.0568
Y2A	17+15.00	-35.00	632297.4199	1515587.7003
Y2A	18+00.00	-50.00	632225.5290	1515553.6261
Y2A	18+30.00	45.00	632247.1739	1515456.4629
Y2A	18+75.00	-60.00	632161.3471	1515531.3385
Y2A	19+51.64	45.00	632125.0114	1515407.4511

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2B	10+60.00	50.00	631885.4701	1515470.1196
Y2B	10+80.00	-60.00	631945.9314	1515563.9761
Y2B	11+25.00	50.00	631833.4794	1515527.9709
Y2B	11+80.00	-42.00	631887.7246	1515620.3260
Y2B	13+50.00	-40.00	631880.1938	1515761.7727
Y2B	13+60.00	35.00	631809.7782	1515789.4608
Y2B	14+23.00	-35.00	631892.8399	1515833.8427
Y2B	14+23.00	-40.00	631897.6941	1515832.6440
Y2B	15+10.00	-40.00	631918.5506	1515917.1071
Y2B	15+10.00	-35.00	631913.6964	1515918.3057
Y2B	16+00.00	35.00	631867.3133	1516022.4624
Y2B	16+00.00	15.34	631886.4023	1516017.7487
Y2B	16+00.00	-15.00	631915.8552	1516010.4759
Y2B	16+00.00	-40.00	631940.1262	1516004.4827

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	9+97.06	-15.00	631862.1068	1514320.9916
L	9+97.65	-25.00	631872.1202	1514321.2669
L	10+01.24	25.00	631822.2567	1514326.4187
L	10+04.33	15.00	631832.3484	1514329.1910
L	11+00.00	-25.00	631875.3167	1514423.5674
L	11+35.00	-35.00	631886.4050	1514458.2380
L	11+48.98	25.00	631826.8708	1514474.0836
L	12+00.00	-35.00	631888.8196	1514522.6338
L	12+80.00	25.00	631833.6952	1514605.9430
L	13+00.00	-60.00	631919.9503	1514619.3823
L	13+05.00	40.00	631820.6583	1514632.2640
L	14+00.00	50.00	631819.8266	1514729.1103
L	14+55.82	-50.00	631925.7158	1514772.7221
L	15+50.00	55.00	631835.1058	1514880.8720
L	16+00.00	51.99	631846.3965	1514930.5291
L	18+10.00	60.00	631882.0432	1515141.3226
L	18+54.59	60.00	631893.0505	1515185.3905
L	19+00.00	-50.00	632010.8955	1515201.9732
L	20+40.00	60.00	631939.2350	1515364.9602
L	20+47.76	-70.70	632067.7487	1515339.9147
L	22+50.00	65.00	631986.7012	1515569.5866
L	23+00.00	-75.00	632134.7430	1515583.1382
L	23+70.11	-75.00	632152.2073	1515651.0414
L	23+98.24	71.17	632017.6494	1515714.6907
L	24+00.07	-71.15	632155.9364	1515681.0101
L	24+61.84	71.20	632033.4665	1515776.2955
L	25+26.84	71.22	632049.6310	1515839.2535
L	25+51.91	71.24	632055.8654	1515863.5357
L	25+53.09	-73.17	632196.0145	1515828.7024
L	25+97.14	71.25	632067.1140	1515907.3470
L	26+96.91	71.30	632091.9253	1516003.9827
L	27+26.91	71.31	632099.3858	1516033.0402
L	27+50.00	-70.00	632241.9904	1516020.2000
L	30+58.28	100.00	632154.1375	1516361.1071
L	30+64.02	-100.00	632349.2644	1516316.8522
L	30+94.08	100.00	632163.0542	1516395.7760
L	30+94.08	-100.00	632356.7503	1516345.9582
L	34+09.36	-100.00	632435.2849	1516651.3083
L	34+10.15	100.00	632241.7854	1516701.8906
L	34+60.69	-100.00	632448.0692	1516701.0149
L	34+62.13	95.00	632259.5756	1516750.9874
L	34+62.18	106.41	632248.5370	1516753.8730
L	35+03.16	135.82	632230.2625	1516800.8847
L	35+59.28	127.58	632252.2192	1516853.1826
L	36+27.71	-100.00	632489.6722	1516862.7715
L	37+00.00	-100.00	632507.3109	1516936.1112
L	37+12.86	109.97	632305.0616	1516993.9520
L	37+90.29	95.00	632334.2777	1517063.5436
L	38+05.78	91.68	632340.1730	1517077.5860
L	40+65.00	-80.00	632548.3340	1517304.0549
L	43+00.00	-50.00	632570.1326	1517533.2379
L	45+52.02	-50.00	632650.2658	1517766.2625
L	45+58.99	-50.00	632652.8881	1517772.7153
L	46+15.00	55.00	632576.7028	1517864.1398
L	47+00.00	50.00	632613.3365	1517941.0032
L	47+00.00	-55.00	632710.6107	1517901.4718
L	48+50.00	30.00	632688.3383	1518072.4365
L	48+50.00	15.00	632702.2347	1518066.7892
L	48+50.00	-15.00	632730.0273	1518055.4945
L	48+50.00	-40.00	632753.1878	1518046.0823

I, Timothy Rudolph, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, 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 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.

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 12th day of July, 2019.

Timothy Rudolph
Professional Land Surveyor

L-2666
PLS #



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.

6/2/19

REVISIONS

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RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. Y-4810K	SHEET NO. 1E-2
Location and Surveys	
Dewberry Engineers Inc. 9500 Harris Corner Pkwy • Suite 200 Charlotte, NC 28268 Phone: 704.506.8918 Fax: 704.506.8927 www.dewberry.com NCELES #F-5029	

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2C	13+92.86	25.00	632301.8662	151718.8451
Y2C	15+15.00	40.00	632331.8148	1517234.6794
Y2C	17+72.56	40.00	632335.6011	1517466.1242
Y2C	19+00.00	40.00	632300.8491	1517597.7210
Y2C	21+00.00	40.00	632403.9719	1517803.4463
Y2C	22+00.00	50.00	632514.2146	1517854.7944
Y2C	22+40.00	50.00	632564.1304	1517855.1007

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y5B	10+34.13	15.00	632016.1724	1515684.1734
Y5B	10+75.00	-15.00	631983.5670	1515722.9916
Y5B	10+75.00	15.00	631976.4679	1515693.8437
Y5B	11+70.82	34.62	631878.7253	1515697.4588
Y5B	12+80.00	45.00	631770.1912	1515713.2065
Y5B	13+40.00	30.00	631715.4449	1515741.9788
Y5B	14+10.00	20.00	631649.7994	1515768.2594
Y5B	14+10.00	15.00	631650.9826	1515773.1174
Y5B	14+75.00	-20.00	631596.1111	1515822.5048
Y5B	14+75.00	-15.00	631594.9279	1515817.6468

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	10+50.00	30.00	631717.5681	1515425.5810
Y3	10+72.98	-20.23	631772.0900	1515420.1985
Y3	11+00.00	25.00	631738.8447	1515460.5610
Y3	12+50.00	15.00	631784.4282	1515603.3729
Y3	12+72.16	15.00	631789.7407	1515624.8871
Y3	13+08.18	41.82	631772.3390	1515666.2876

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y9A	10+00.00	20.00	632717.0504	1516972.7002
Y9A	10+00.00	15.00	632718.3273	1516977.5340
Y9A	10+70.00	30.00	632646.8180	1516980.9101
Y9A	11+45.00	105.00	632555.1501	1516927.5528
Y9A	12+05.00	-15.00	632527.7885	1517058.8972

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y4	10+95.00	14.78	631839.5739	1515002.2205
Y4	11+20.00	60.00	631791.3003	1515018.9536
Y4	11+50.00	90.00	631756.8101	1515040.0060
Y4	12+20.00	-40.00	631865.7689	1515137.8678
Y4	12+50.00	24.00	631795.5286	1515146.7804
Y4	12+76.46	-40.00	631846.3395	1515193.9797
Y4	13+34.59	-40.00	631825.3173	1515248.1792
Y4	13+50.00	24.00	631760.1309	1515238.6731
Y4	14+00.00	25.00	631738.6687	1515281.2660
Y4	14+44.50	-40.00	631771.5772	1515353.1663
Y4	15+00.00	25.00	631685.9951	1515360.5301
Y4	15+35.00	-30.00	631704.5676	1515423.0831
Y4	15+50.00	35.00	631647.0350	1515389.2830
Y4	16+00.00	15.10	631626.6115	1515439.0730
Y4	16+00.00	-14.90	631648.1883	1515459.9162

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y10A	11+50.00	20.00	632774.2082	1517347.7029
Y10A	11+50.00	15.00	632775.4605	1517352.5436
Y10A	12+40.00	30.00	632684.5721	1517360.5626
Y10A	12+90.00	90.00	632621.1384	1517314.9977
Y10A	13+79.27	-15.00	632561.0110	1517439.0094

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y5A	10+56.61	-30.00	632319.1621	1515656.6941
Y5A	10+70.00	35.00	632290.7740	1515596.7081
Y5A	11+50.00	-30.00	632228.4276	1515678.7930
Y5A	11+50.00	30.00	632214.2293	1515620.4971
Y5A	11+89.00	15.00	632179.8866	1515644.3000
Y5A	12+00.00	-15.00	632176.2981	1515676.0509

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y10B	10+52.97	17.13	632118.4889	1517552.9966
Y10B	10+53.07	24.50	632120.3685	1517560.1311
Y10B	10+95.00	30.00	632162.3838	1517555.3337
Y10B	11+40.00	80.00	632218.1315	1517592.9794

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y11A	11+83.00	-15.00	632824.8214	1517760.0935

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y11B	11+50.00	-100.00	632489.5298	1517934.8655
Y11B	12+10.00	-100.00	632431.3550	1517949.5520
Y11B	12+60.00	-40.00	632368.1895	1517903.6159
Y11B	12+75.00	15.00	632340.1832	1517853.9606
Y11B	13+25.00	-15.00	632299.0475	1517895.2867

I, Timothy Rudolph, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, 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 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.

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 12th day of July, 2019.

Timothy Rudolph
Professional Land Surveyor

L-2666
PLS #



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.

6/2/19

REVISIONS

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RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. Y-4810K	SHEET NO. 1E-3
Location and Surveys	
Dewberry Engineers Inc. 9500 Harris Corner Pkwy • Suite 200 Charlotte, NC 28268 Phone: 704.506.8918 Fax: 704.506.8927 www.dewberry.com NCEES #P-5029	

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1A	17-33.68	47.96	632042.9809	1514767.0817
Y1A	17-90.43	47.67	632007.2146	1514719.8896
Y1A	18-07.43	45.87	631994.7058	1514707.2087
Y1A	18-07.45	49.54	631997.5362	1514704.8700
Y1A	18-29.62	48.73	631982.0797	1514687.6015
Y1A	18-29.66	45.97	631979.9550	1514689.3572
Y1A	18-75.55	46.48	631948.5963	1514653.2595
Y1A	18-84.67	55.40	631948.5963	1514640.1953
Y1A	18-85.98	63.51	631953.5546	1514633.6291
Y1A	18-93.47	48.02	631936.9093	1514638.5962
Y1A	18-95.59	61.83	631945.3426	1514627.4281
Y1A	18-97.98	43.12	631930.1184	1514638.5962

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y1B	10-54.65	35.79	631817.6607	1514622.2346
Y1B	10-65.28	23.42	631804.8816	1514632.1118
Y1B	10-67.81	33.11	631804.5793	1514622.1084

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2B	13-67.16	-40.00	631884.3070	1515778.4300
Y2B	13-96.96	-49.18	631900.3601	1515805.1586
Y2B	13-96.96	-60.24	631911.1058	1515802.5116
Y2B	14-06.96	-60.24	631913.4977	1515812.2213
Y2B	14-06.96	-49.58	631903.1462	1515814.7712
Y2B	14-22.30	-40.00	631897.5255	1515831.9613
Y2B	14-96.75	35.00	631842.5602	1515922.2193
Y2B	15-01.58	57.62	631821.7596	1515932.3307
Y2B	15-11.28	60.02	631821.7596	1515942.3307
Y2B	15-13.86	49.57	631832.5218	1515942.3307
Y2B	15-30.59	48.11	631837.9432	1515958.2153
Y2B	15-43.54	35.00	631853.7770	1515967.6441
Y2B	15-63.67	35.00	631858.6027	1515987.1869
Y2B	15-73.19	44.40	631851.7556	1515998.6853
Y2B	16-20.46	40.29	631867.0828	1516043.5936
Y2B	16-20.48	27.50	631879.5044	1516040.5480
Y2B	16-39.00	37.75	631873.9965	1516060.9835
Y2B	16-39.00	27.50	631883.9440	1516058.5271
Y2B	16-48.86	37.82	631876.2920	1516070.5762
Y2B	16-85.36	43.90	631879.1306	1516107.4646
Y2B	16-85.39	34.64	631888.1335	1516105.2714
Y2B	16-95.36	43.94	631881.4975	1516117.1804
Y2B	17-08.79	15.00	631912.8112	1516123.2894

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	11-32.03	25.00	631826.3414	1514457.1404
L	11-32.16	38.74	631812.6164	1514457.7020
L	12-65.44	40.73	631816.9718	1514592.3635
L	13-97.50	52.24	631817.3254	1514726.8288
L	14-84.96	63.05	631817.4794	1514816.5140
L	14-84.96	59.94	631820.5621	1514816.0935
L	14-99.66	65.11	631817.5054	1514831.6493
L	14-99.68	61.04	631821.5457	1514831.0982
L	15-50.53	72.81	631817.5956	1514884.1848
L	15-51.00	70.76	631819.6944	1514884.3423
L	30-45.58	153.15	632099.5030	1516362.0441
L	30-45.82	98.92	632152.0794	1516348.7754
L	30-49.02	-98.57	632344.1386	1516302.6776
L	30-49.08	-119.32	632364.2532	1516297.5719
L	30-58.04	153.20	632102.5521	1516374.1257
L	30-64.08	-119.27	632367.9436	1516312.1108
L	34-60.40	-117.86	632465.2929	1516696.2894
L	34-73.97	-118.08	632468.8828	1516709.3739
L	34-73.97	-100.00	632451.3771	1516713.8763
L	37-32.53	148.42	632271.3397	1517020.1390
L	38-61.07	-93.08	632531.4268	1517102.3112
L	38-61.62	-101.63	632539.9640	1517101.5957
L	43-01.10	-68.06	632587.8030	1517529.3352
L	43-01.23	-66.46	632586.2953	1517529.8929
L	43-50.22	-61.57	632595.1190	1517576.9492
L	43-50.54	-68.28	632601.6237	1517575.2774
L	43-79.81	-60.04	632602.2996	1517604.8882
L	43-80.61	-77.96	632619.5930	1517600.1402
L	43-88.24	-68.04	632612.4332	1517610.2222
L	43-88.78	-77.54	632621.6256	1517607.7750
L	44-73.40	-62.79	632634.5424	1517690.1260
L	44-73.91	-69.06	632640.5916	1517688.4268
L	44-96.17	-61.30	632640.8859	1517711.4039
L	44-96.97	-70.06	632649.3477	1517709.0269
L	45-44.12	-71.41	632667.2339	1517751.1073
L	46-90.02	-74.00	632724.4601	1517885.0739
L	46-96.92	-73.07	632726.1934	1517891.8133
L	46-97.81	-82.80	632735.5458	1517888.9768
L	47-06.84	-71.73	632728.6866	1517901.5070
L	47-07.77	-81.89	632738.4482	1517898.5463
L	47-35.96	-62.96	632731.5255	1517931.7843
L	47-36.31	-67.75	632736.0908	1517930.3123
L	47-50.02	-61.93	632735.8629	1517945.1974
L	47-50.31	-65.85	632739.6067	1517943.9903
L	47-65.53	58.59	632630.0509	1518004.9472
L	47-67.27	41.03	632646.9718	1517999.9457
L	47-75.48	59.57	632632.8855	1518014.5370
L	47-77.46	39.67	632652.0673	1518008.8750
L	48-16.41	-56.92	632756.2137	1518008.5973
L	48-18.16	-66.94	632766.1599	1518006.4371
L	48-26.33	-55.57	632758.6993	1518018.2905
L	48-28.01	-65.23	632768.2822	1518016.2093
L	49-10.00	55.00	632687.7672	1518137.4340
L	49-30.70	15.00	632732.6186	1518141.5545
L	49-31.97	50.00	632700.6722	1518155.9086
L	49-35.00	-15.00	632762.0289	1518134.2403
L	49-35.00	-40.00	632785.1894	1518124.8280
L	49-92.82	-15.00	632783.7987	1518187.8088
L	49-93.73	-32.75	632800.5890	1518181.9669

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

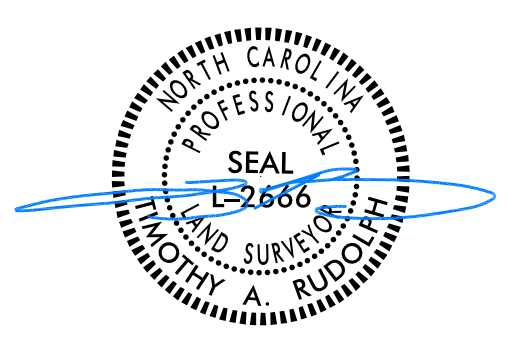
I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

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 12th day of July, 2019.

Timothy Rudolph
Professional Land Surveyor

L-2666
PLS *



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

6/22/19

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RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. Y-4810K	SHEET NO. 1E-4
Location and Surveys	
Dewberry Engineers Inc. 9500 Harris Corners Pkwy • Suite 200 Charlotte, NC 28268 Phone: 704.509.8918 Fax: 704.509.8927 www.dewberry.com NCELES #F-5029	

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2A	12+22.91	-15.00	632526.2503	1515997.0830
Y2A	12+22.91	-29.96	632512.1327	1516002.0250
Y2A	12+25.00	30.00	632568.0320	1515980.2407
Y2A	12+25.00	15.00	632553.8744	1515985.1967
Y2A	12+35.79	-29.97	632507.8697	1515989.8724
Y2A	12+38.52	-42.12	632495.4928	1515991.3036
Y2A	12+45.96	-29.98	632504.4761	1515980.1981
Y2A	12+48.14	-39.94	632494.3441	1515981.3698
Y2A	12+48.64	30.00	632560.2794	1515958.0247
Y2A	12+49.34	43.14	632572.4698	1515953.0767
Y2A	12+58.92	32.83	632559.6424	1515947.4909
Y2A	12+59.48	42.60	632568.7088	1515943.8109
Y2A	12+97.38	-47.73	632471.0183	1515936.4757
Y2A	13+03.65	-30.76	632485.1777	1515925.1833
Y2A	13+03.74	-41.61	632474.8385	1515928.4446
Y2A	13+04.14	-54.98	632461.9879	1515932.1802
Y2A	13+10.33	-49.03	632465.7101	1515924.3550
Y2A	13+33.29	-48.98	632458.6849	1515902.0828
Y2A	13+33.33	-31.62	632475.2424	1515896.8601
Y2A	13+55.06	81.51	632576.9614	1515842.8623
Y2A	13+75.67	82.37	632572.0173	1515823.4425
Y2A	13+75.97	74.93	632564.7940	1515825.2815
Y2A	14+01.92	57.45	632540.9039	1515805.8465
Y2A	14+02.29	62.05	632545.2324	1515804.2319
Y2A	14+11.01	51.48	632532.5023	1515798.3075
Y2A	14+11.61	61.31	632541.7374	1515794.8626
Y2A	15+13.23	68.35	632505.4355	1515686.7681
Y2A	15+13.67	57.91	632495.9600	1515691.1696
Y2A	15+17.31	-35.00	632412.0317	1515731.2038
Y2A	15+22.08	68.89	632501.2226	1515677.6988
Y2A	15+22.61	59.53	632492.7136	1515681.6514
Y2A	15+23.30	-56.88	632390.1708	1515736.7570
Y2A	15+28.35	-35.00	632407.0941	1515722.1405
Y2A	15+34.09	-54.30	632387.7087	1515727.0649
Y2A	16+21.68	100.40	632463.0704	1515564.5205
Y2A	16+24.52	91.24	632453.8590	1515567.7343
Y2A	16+29.57	103.87	632459.7447	1515555.0556
Y2A	16+49.48	76.27	632423.6544	1515555.6827

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2C	13+47.77	46.75	632264.5111	1517085.5068
Y2C	13+49.09	36.10	632274.8587	1517082.6492
Y2C	13+59.45	48.20	632267.6457	1517096.8578
Y2C	13+91.07	38.61	632288.6061	1517122.3938
Y2C	14+07.56	39.10	632294.4673	1517137.8200
Y2C	14+08.15	35.02	632298.4597	1517136.7990
Y2C	14+29.57	39.75	632302.2870	1517158.4012
Y2C	14+29.80	38.12	632303.8795	1517157.9940

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y5A	12+20.57	-30.00	632159.8661	1515695.4915

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	10+31.51	-62.14	631778.1084	1515353.3978
Y3	10+46.68	-52.52	631783.4889	1515375.8181
Y3	10+84.46	-21.77	631778.6105	1515431.6457
Y3	11+09.01	-61.60	631824.9933	1515448.1287
Y3	11+09.10	-28.22	631792.6109	1515456.2241
Y3	11+26.95	-61.65	631829.3441	1515465.5321
Y3	11+27.29	-41.72	631810.0782	1515470.6424
Y3	11+38.02	22.50	631750.3033	1515496.4604
Y3	11+38.25	43.06	631730.3970	1515501.6071
Y3	11+43.60	-41.73	631813.9960	1515486.4798
Y3	11+43.63	-37.99	631810.3680	1515487.3976
Y3	11+58.01	21.16	631756.3942	1515515.5433
Y3	11+58.26	43.65	631734.6166	1515521.1738
Y3	12+25.00	16.67	631776.8094	1515579.5034
Y3	12+35.00	45.00	631751.7071	1515596.0022

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y4	10+04.54	44.87	631817.7192	1514910.6662
Y4	11+06.38	36.16	631816.8499	1515010.0973
Y4	13+54.34	31.06	631752.0206	1515239.6895
Y4	13+63.27	24.70	631754.4231	1515250.0006
Y4	13+74.21	54.86	631722.8032	1515246.4970
Y4	14+00.09	35.00	631729.8191	1515276.6087
Y4	14+11.86	25.00	631733.2106	1515291.1652
Y4	14+50.00	25.00	631714.1922	1515322.1343
Y4	14+65.00	65.00	631673.4344	1515310.8610
Y4	14+75.00	25.00	631700.5440	1515341.6629
Y4	14+79.84	25.00	631697.7976	1515345.3658
Y4	14+91.88	48.92	631671.9925	1515339.7136
Y4	15+05.00	180.00	631563.4086	1515265.5915
Y4	15+17.23	28.98	631672.4516	1515370.5253
Y4	15+20.82	35.16	631655.5736	1515369.0188
Y4	15+25.00	205.00	631536.1151	1515259.0290
Y4	15+55.00	195.00	631528.4849	1515281.7151

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y9A	11+96.61	-82.55	632553.1480	1517122.0619

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y10A	10+81.69	31.89	632837.3590	1517319.0827
Y10A	10+81.69	15.00	632841.5896	1517335.4359
Y10A	11+11.69	15.00	632812.5458	1517342.9496
Y10A	11+11.69	31.89	632808.3152	1517326.5963
Y10A	11+46.09	-15.00	632786.7641	1517380.6070
Y10A	11+46.09	-21.83	632788.4752	1517387.2215
Y10A	11+67.44	-32.93	632770.5771	1517403.3156
Y10A	13+38.61	110.69	632568.8968	1517307.1456
Y10A	13+63.08	-33.36	632581.2843	1517452.7254

I, Timothy Rudolph, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, 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 12th day of July, 2019.

Timothy Rudolph
Professional Land Surveyor

L-2666
PLS *



NOTES:

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6/22/19

REVISIONS

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RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. Y-4810K	SHEET NO. 1E-5
Location and Surveys	
Dewberry Engineers Inc. 9500 Harris Corner Pkwy • Suite 200 Charlotte, NC 28269 Phone: 704.509.8918 Fax: 704.509.8927 www.dewberry.com NCELES #F-5029	

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y10B	11+10.55	-41.36	632160.2295	1517482.3339
Y10B	11+15.41	-50.09	632162.8387	1517472.6803
Y10B	11+18.52	-48.37	632166.2706	1517473.6079
Y10B	11+19.70	-36.26	632170.3400	1517485.0666
Y10B	11+19.88	-13.41	632176.0388	1517507.2025
Y10B	11+49.60	-48.61	632196.3731	1517465.8582
Y10B	11+49.66	-41.84	632198.0623	1517472.4194
Y10B	11+49.74	-31.65	632200.6027	1517482.2871
Y10B	11+49.88	-13.64	632205.0914	1517499.7231
Y10B	11+57.84	-43.51	632205.6024	1517468.8228
Y10B	11+59.84	-33.71	632209.9077	1517477.8486

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y11A	11+50.00	-15.00	632856.8103	1517751.9871
Y11A	11+50.00	-34.59	632861.6217	1517770.9734
Y11A	12+10.64	-36.41	632803.2864	1517787.6423

REVISIONS

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Professional Land Surveyor

L-2666
PLS #

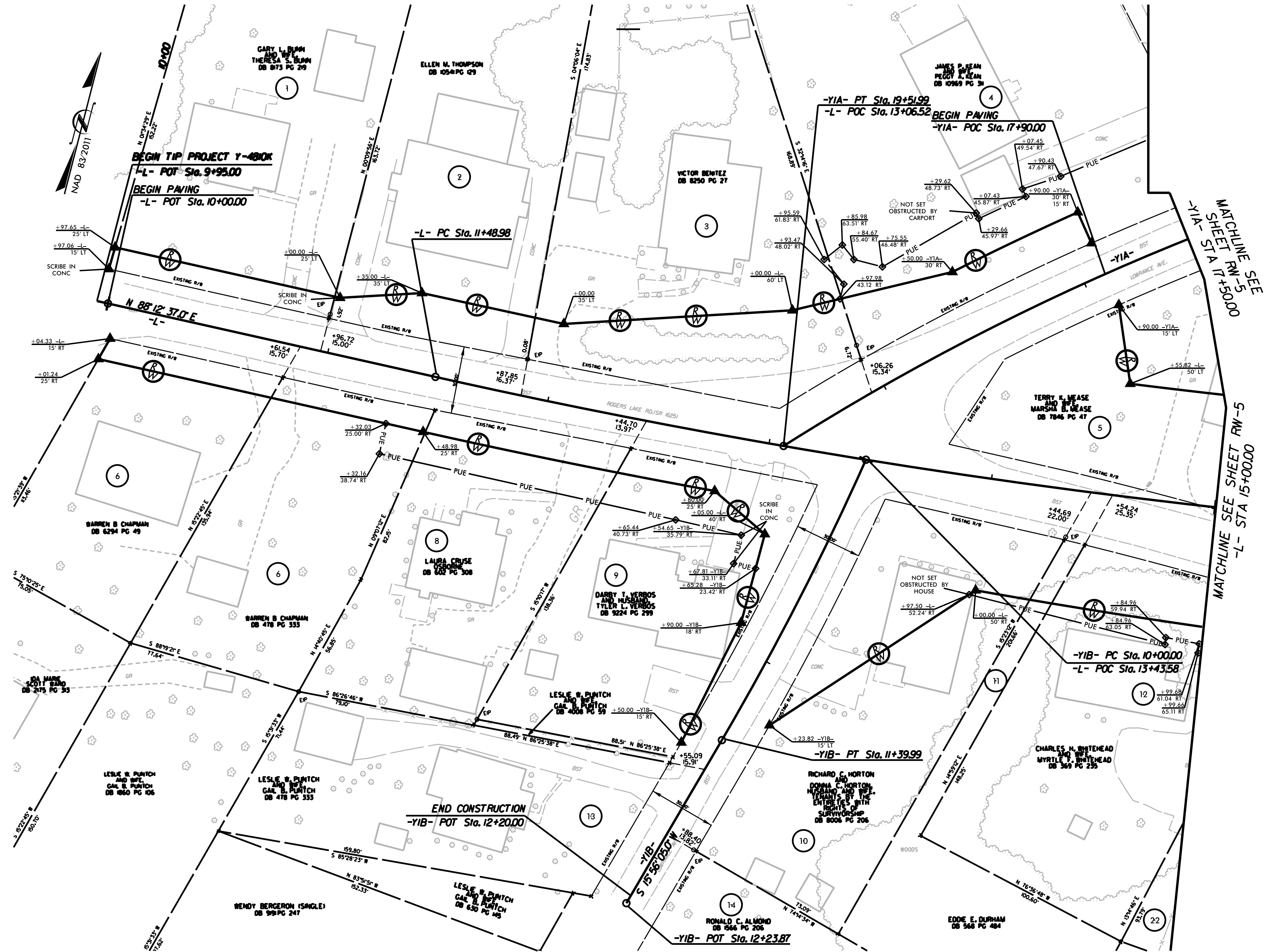


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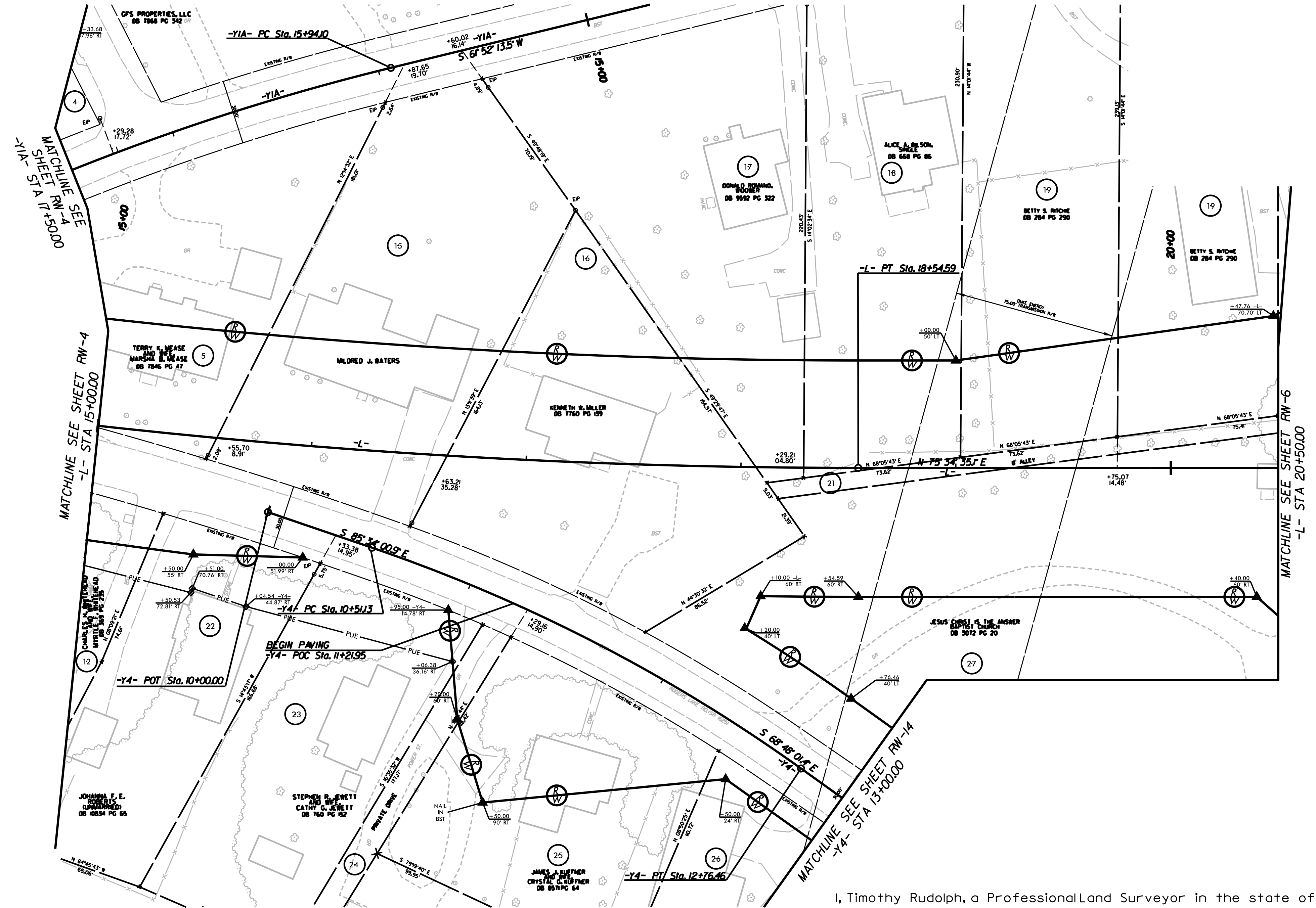
TIMOTHY A. RUDOLPH
Professional Land Surveyor

PLS#
L-2666



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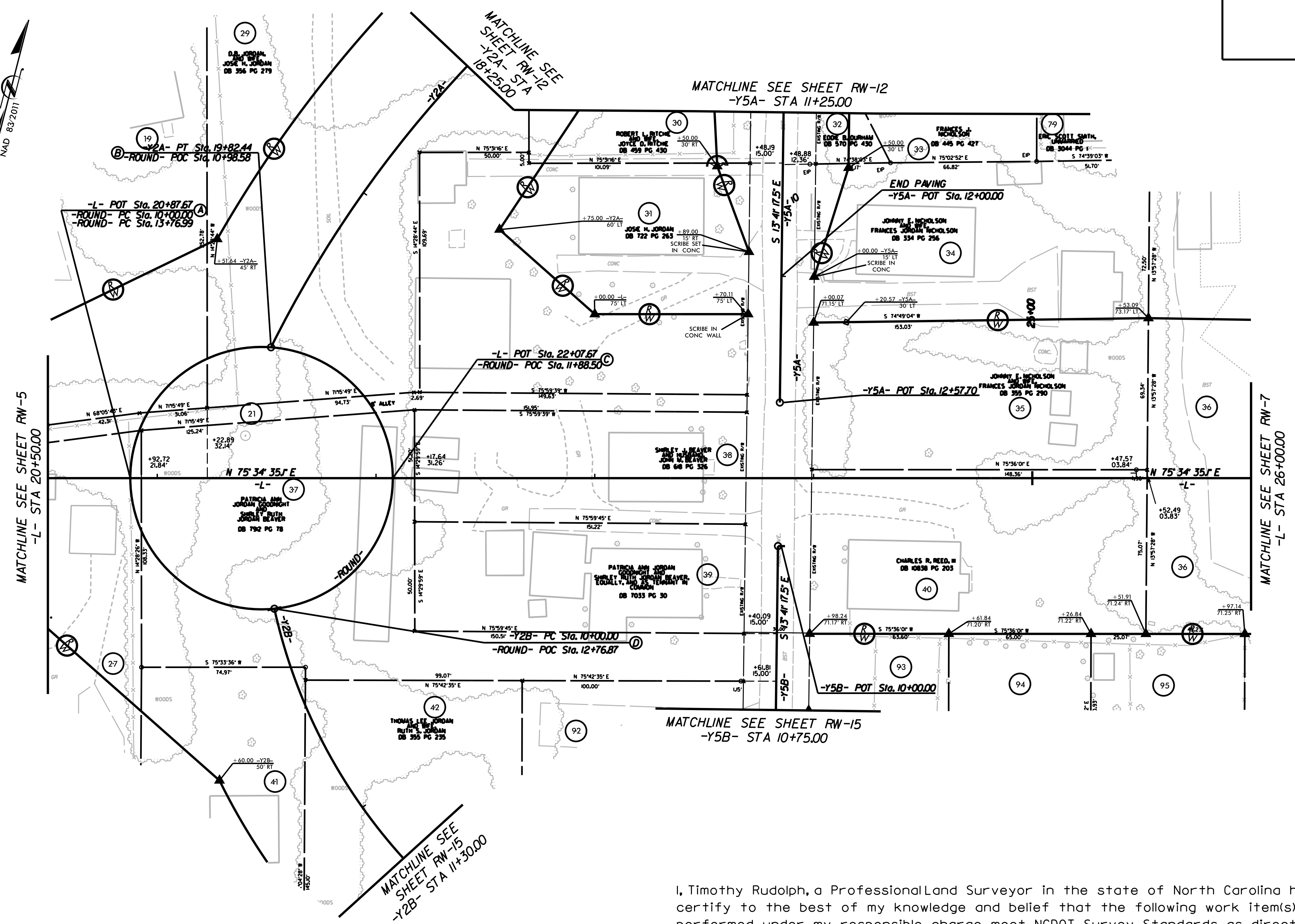
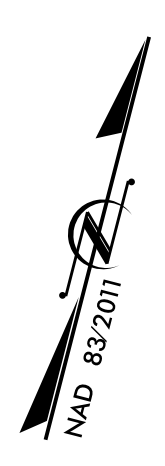
TIMOTHY A. RUDOLPH
Professional Land Surveyor

PLS#
L-2666



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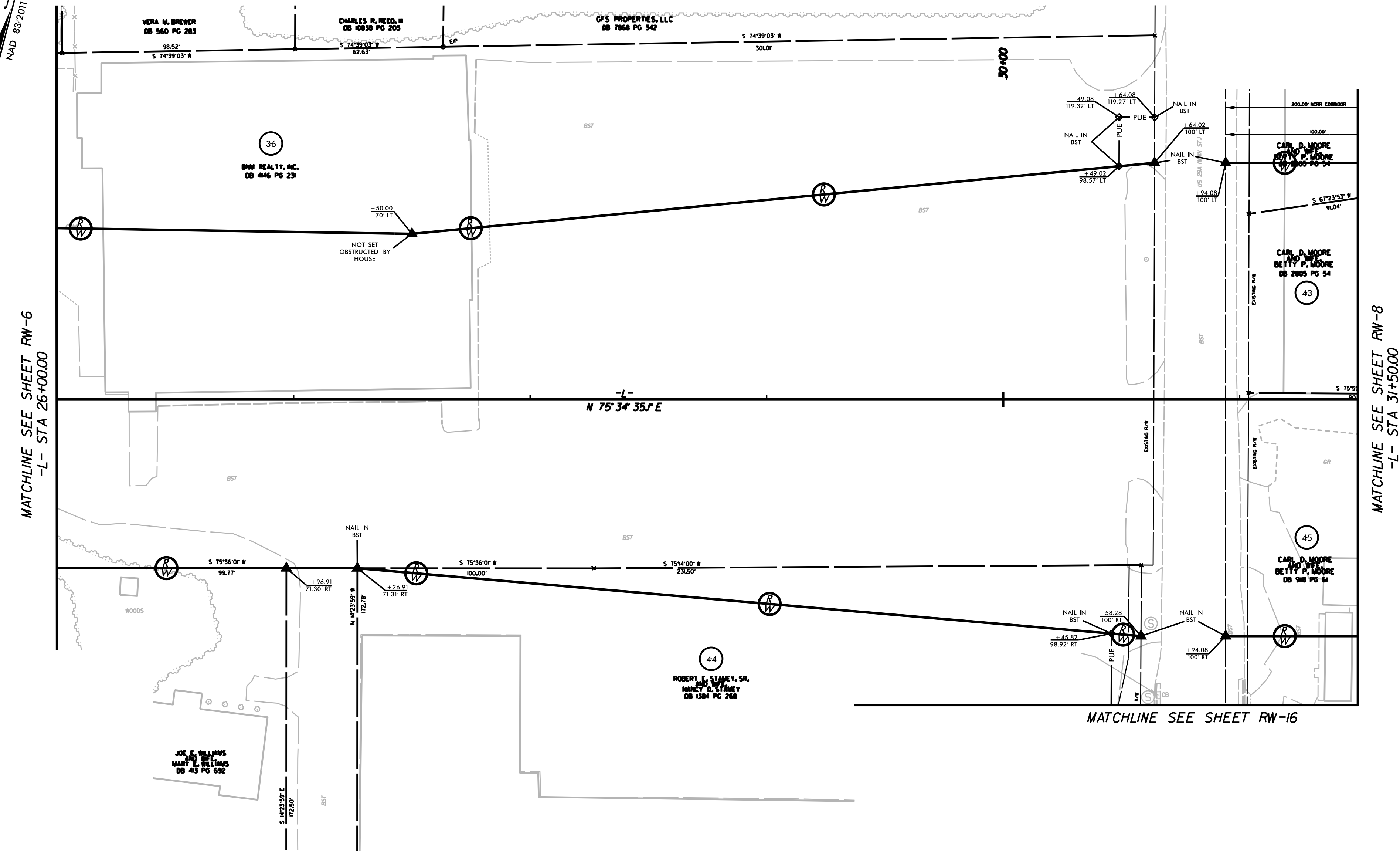
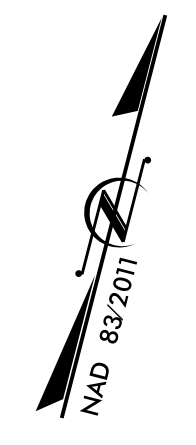
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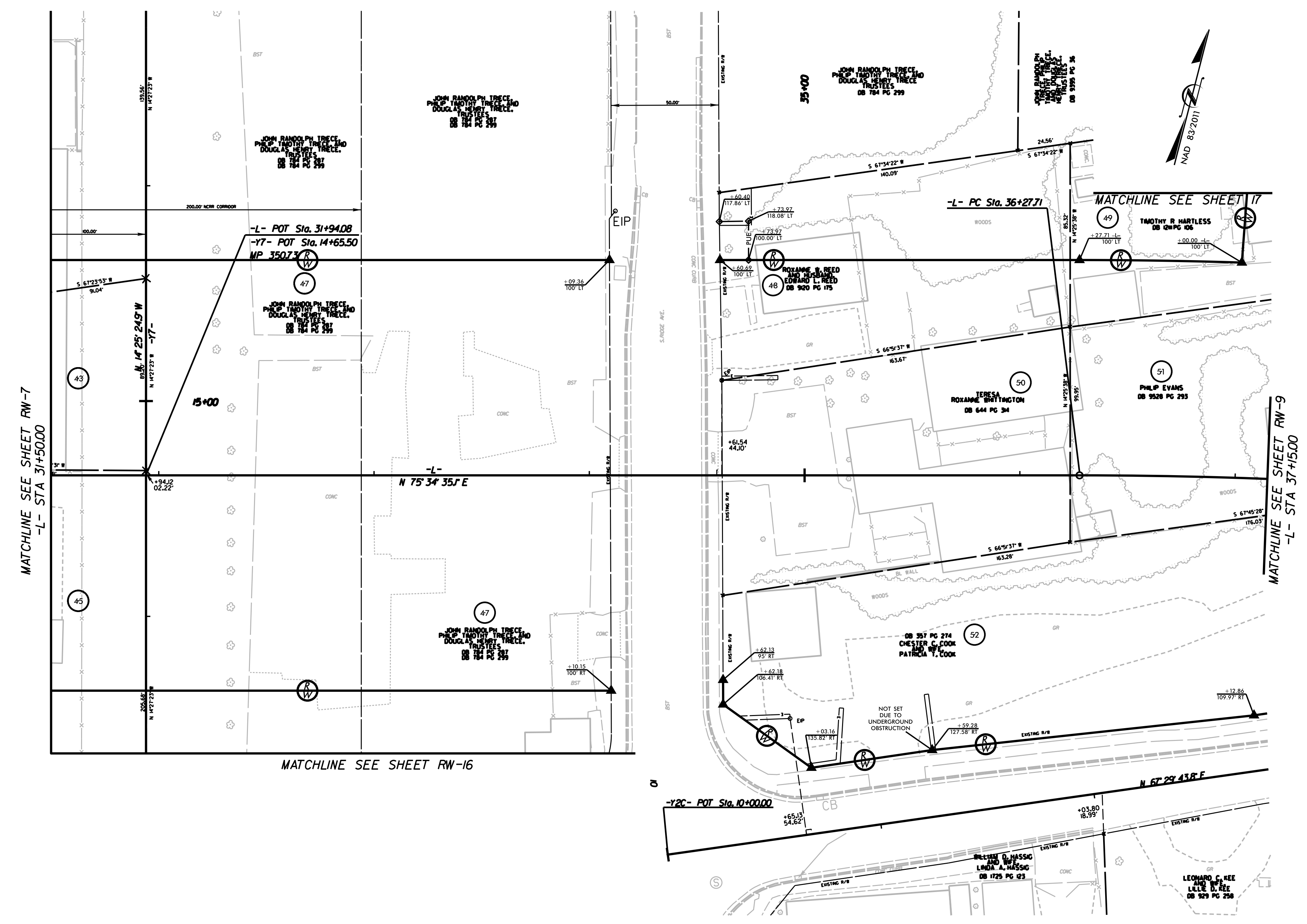
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TIMOTHY A. RUDOLPH
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PLS#
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REVISIONS

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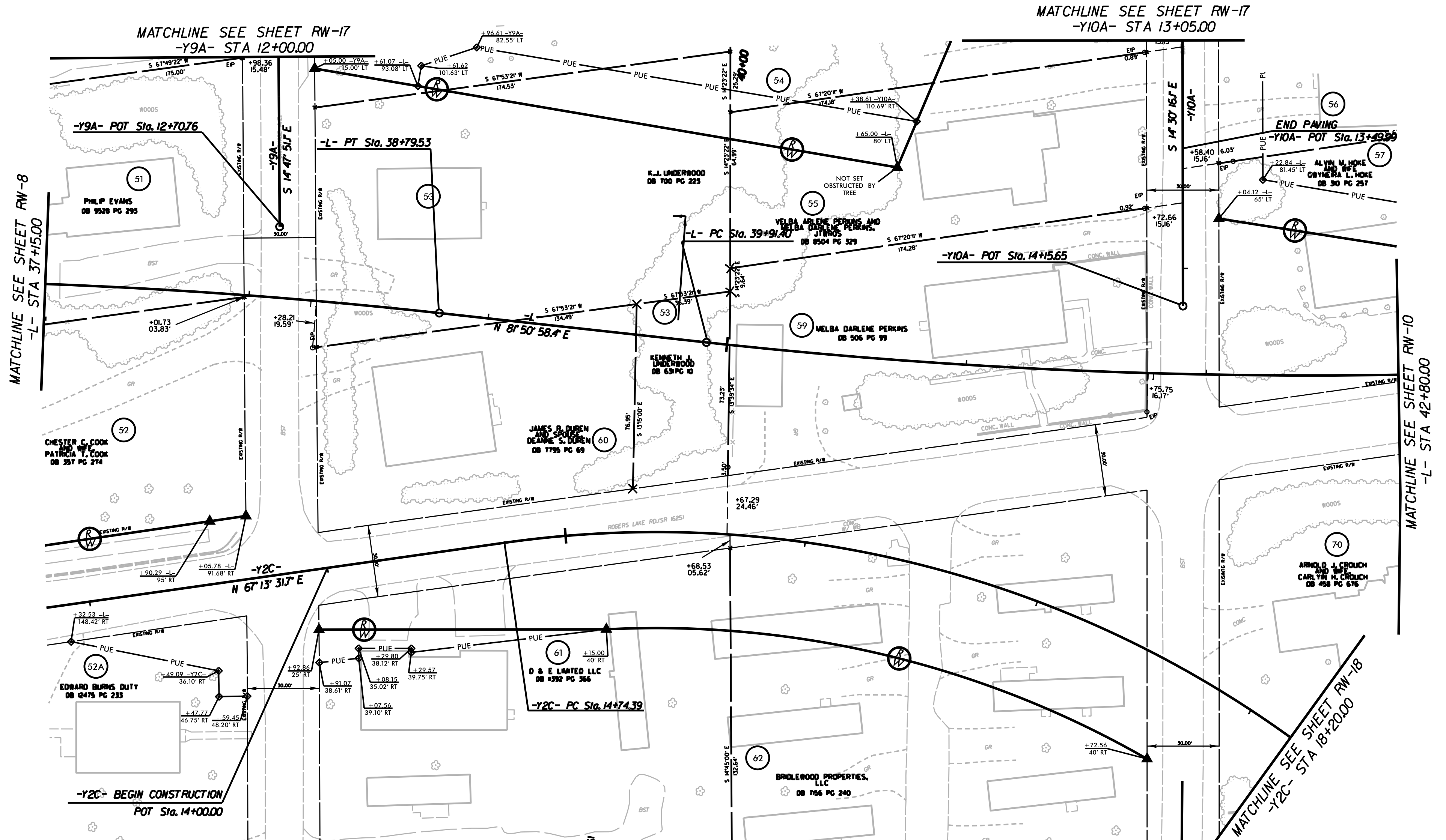
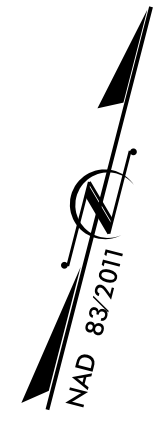
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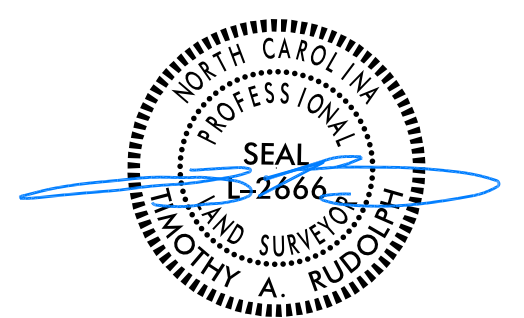
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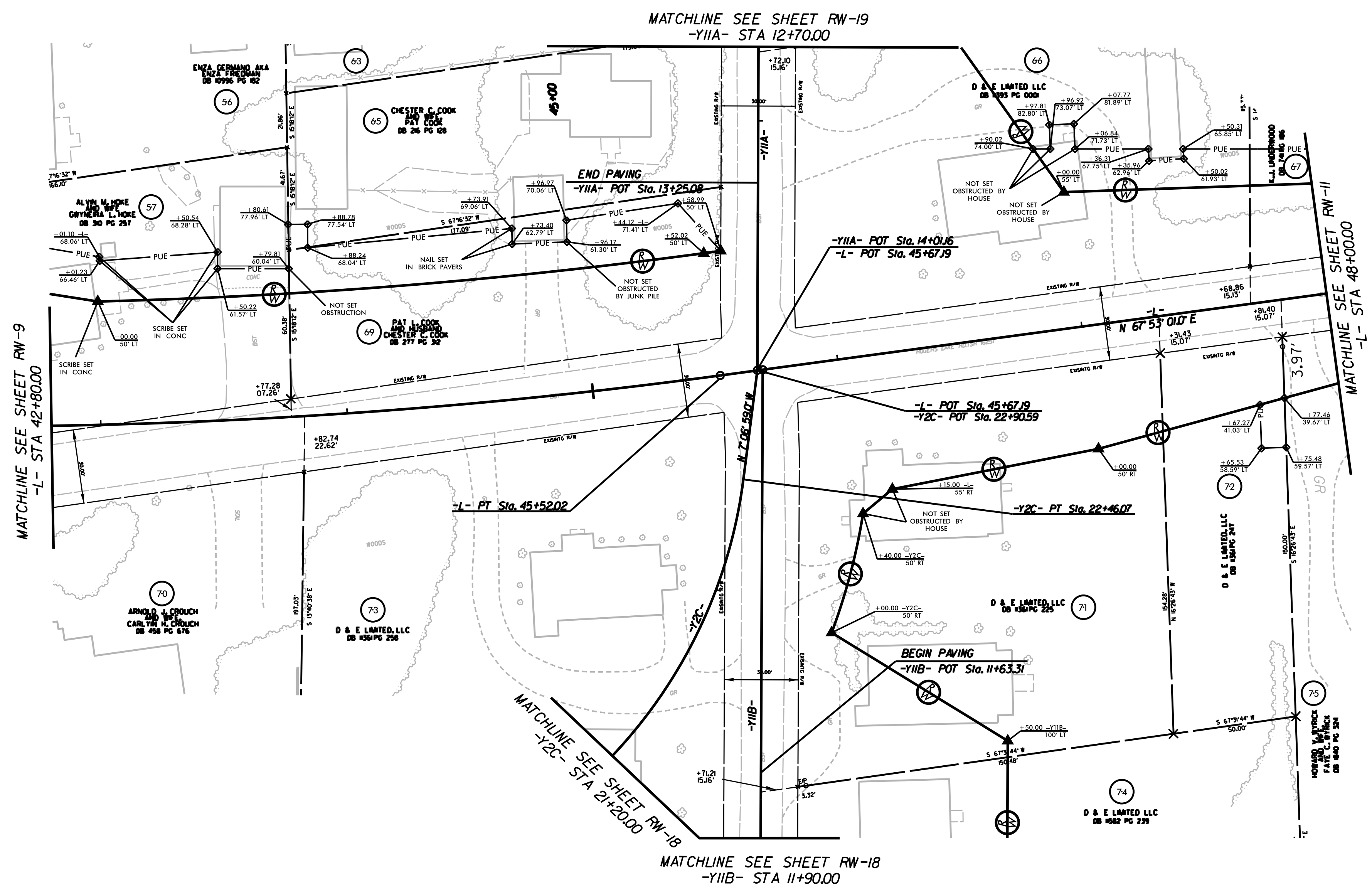
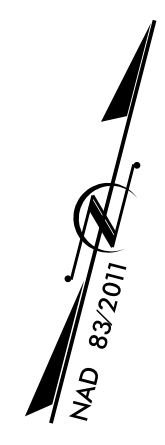
TIMOTHY A. RUDOLPH
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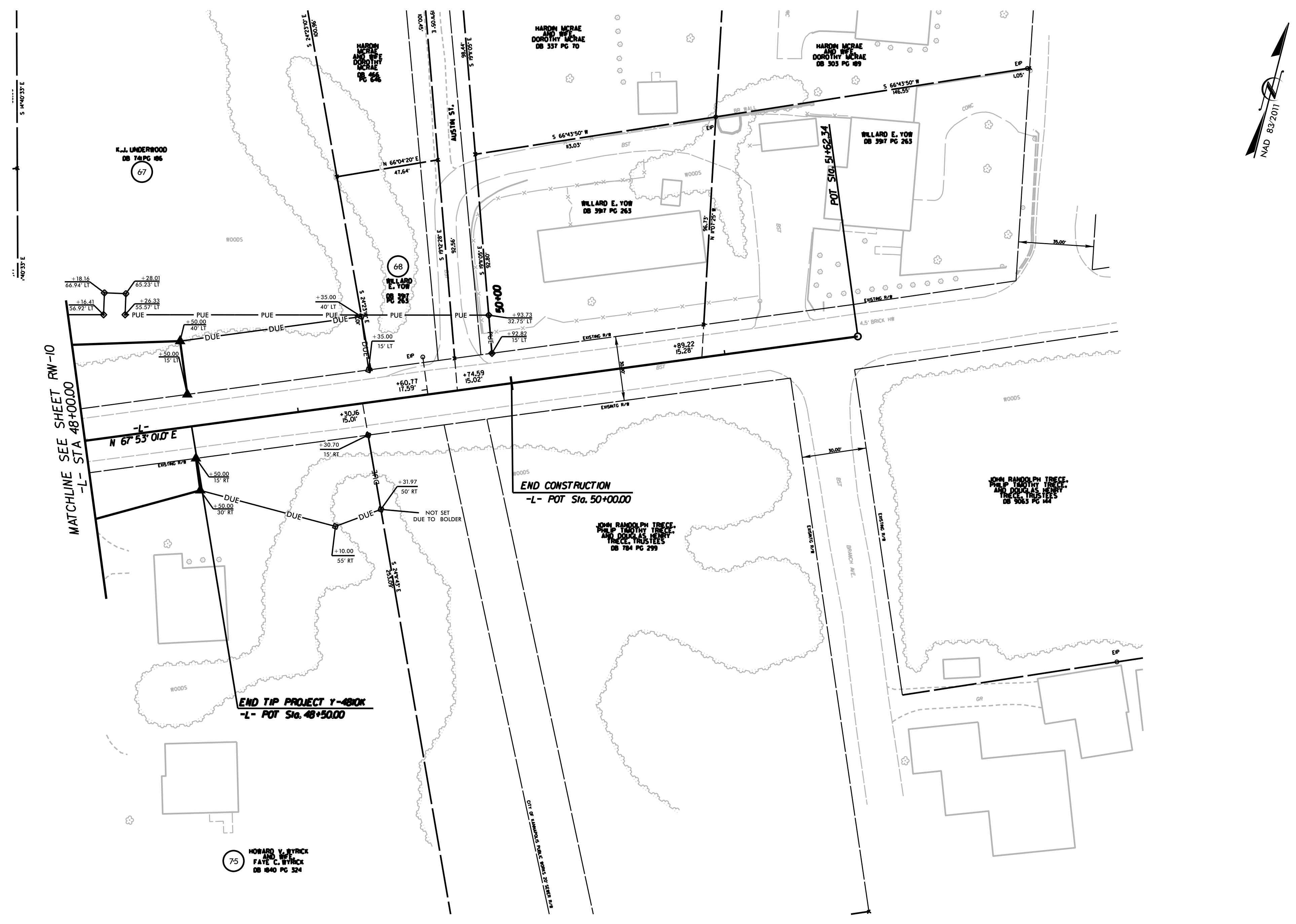
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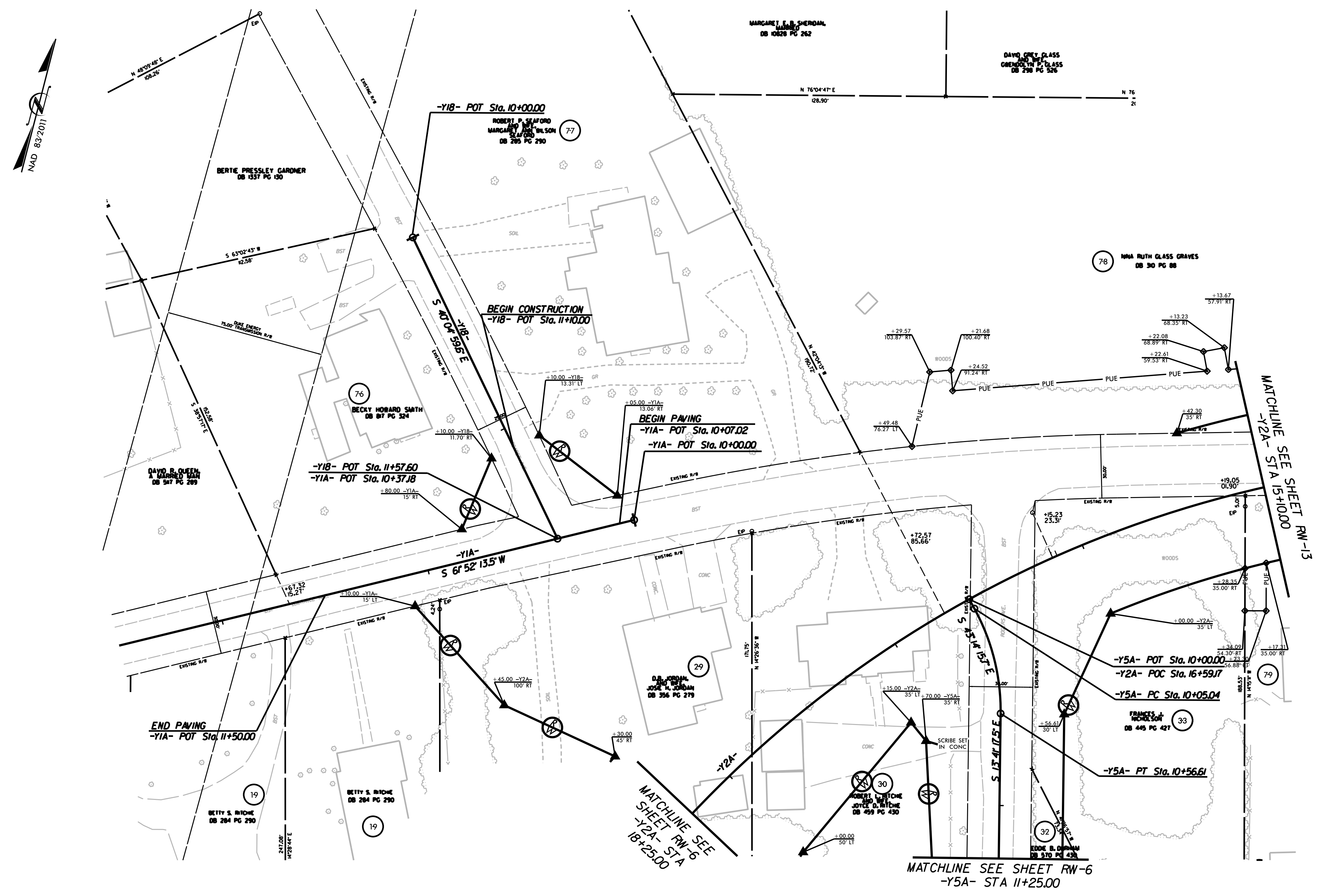
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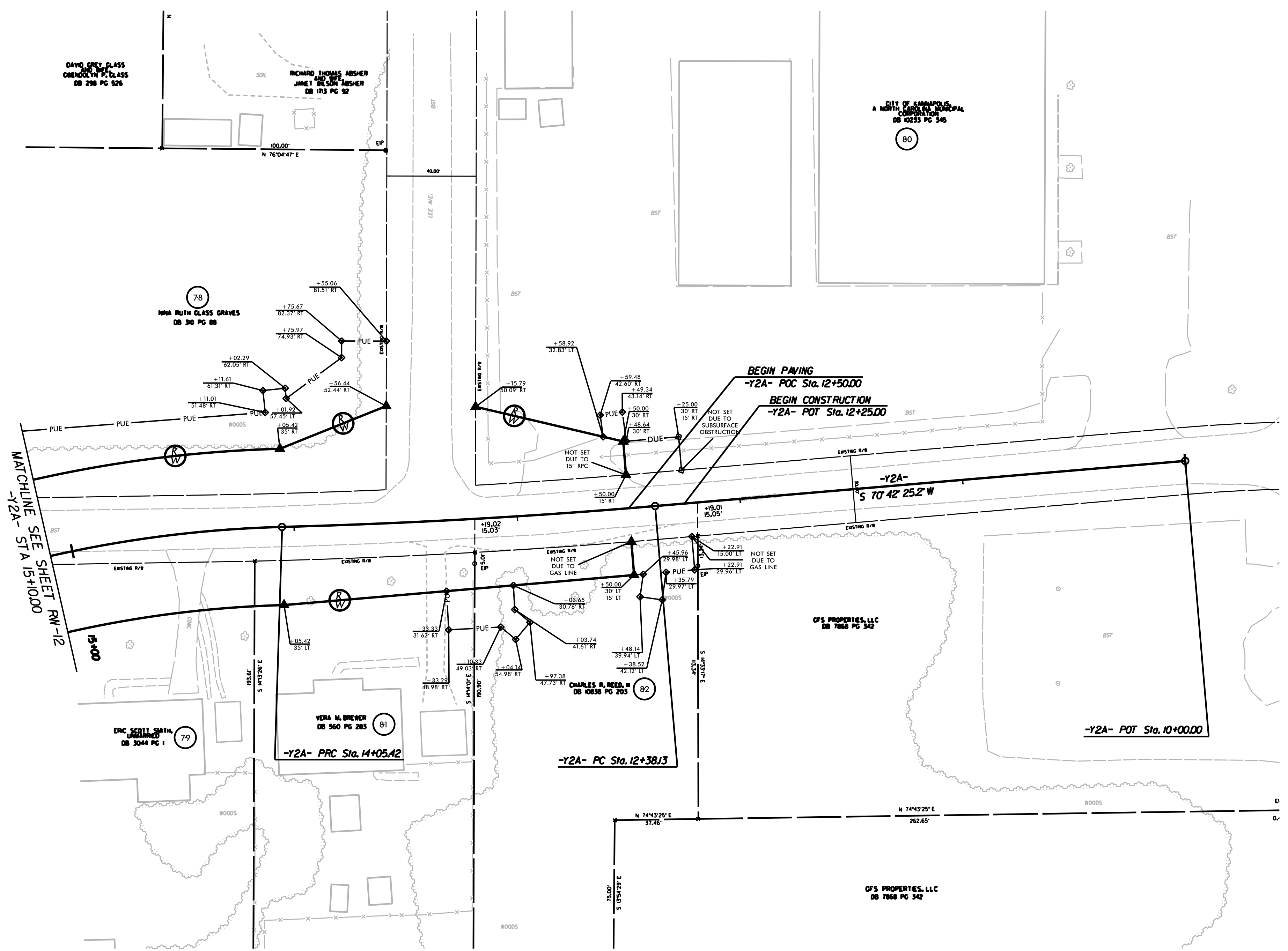
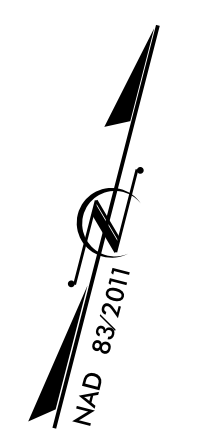
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6/22/19
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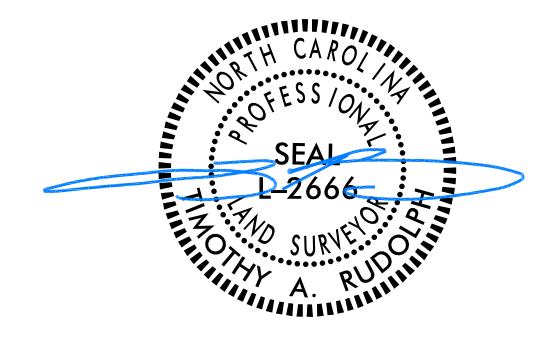
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Witness my original signature, registration number and seal this 12th day of July, 2019.

TIMOTHY A. RUDOLPH
Professional Land Surveyor

PLS#
L-2666

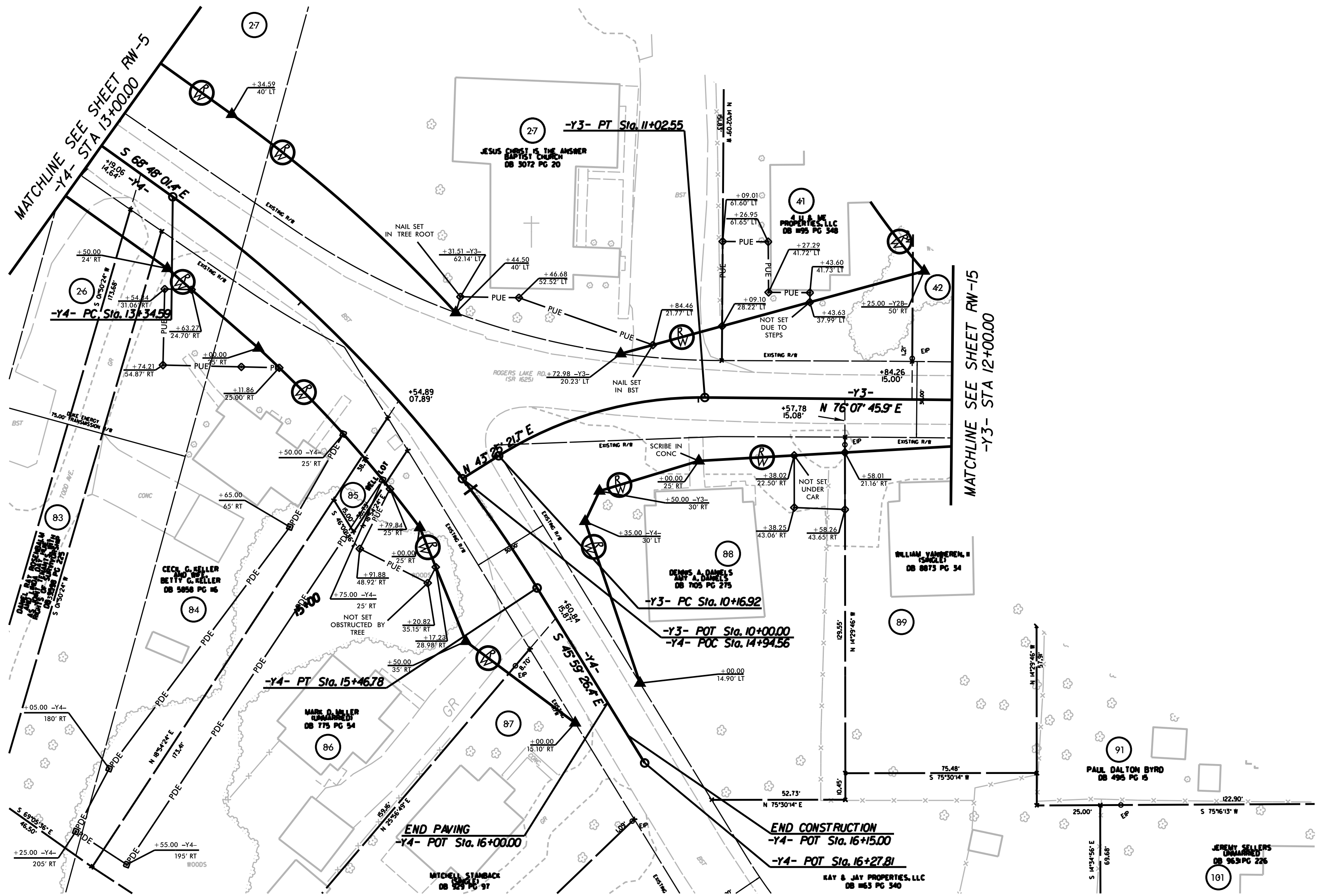
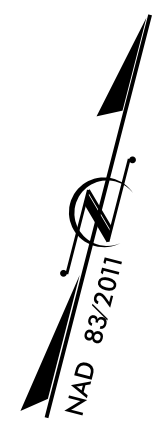


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Location and Surveys



Dewberry Engineers Inc.
 9200 Harris Corner Plaza - Suite 200
 Charlotte, NC 28269
 Phone: 704.366.8999
 Fax: 704.366.8997
 www.dewberry.com



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NOTES:

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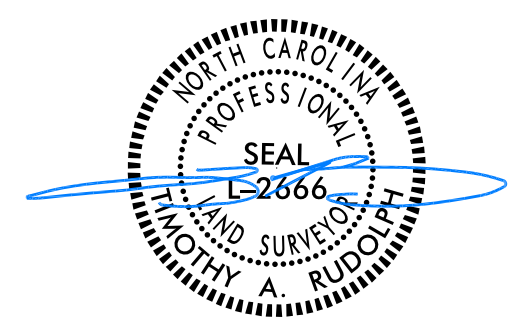
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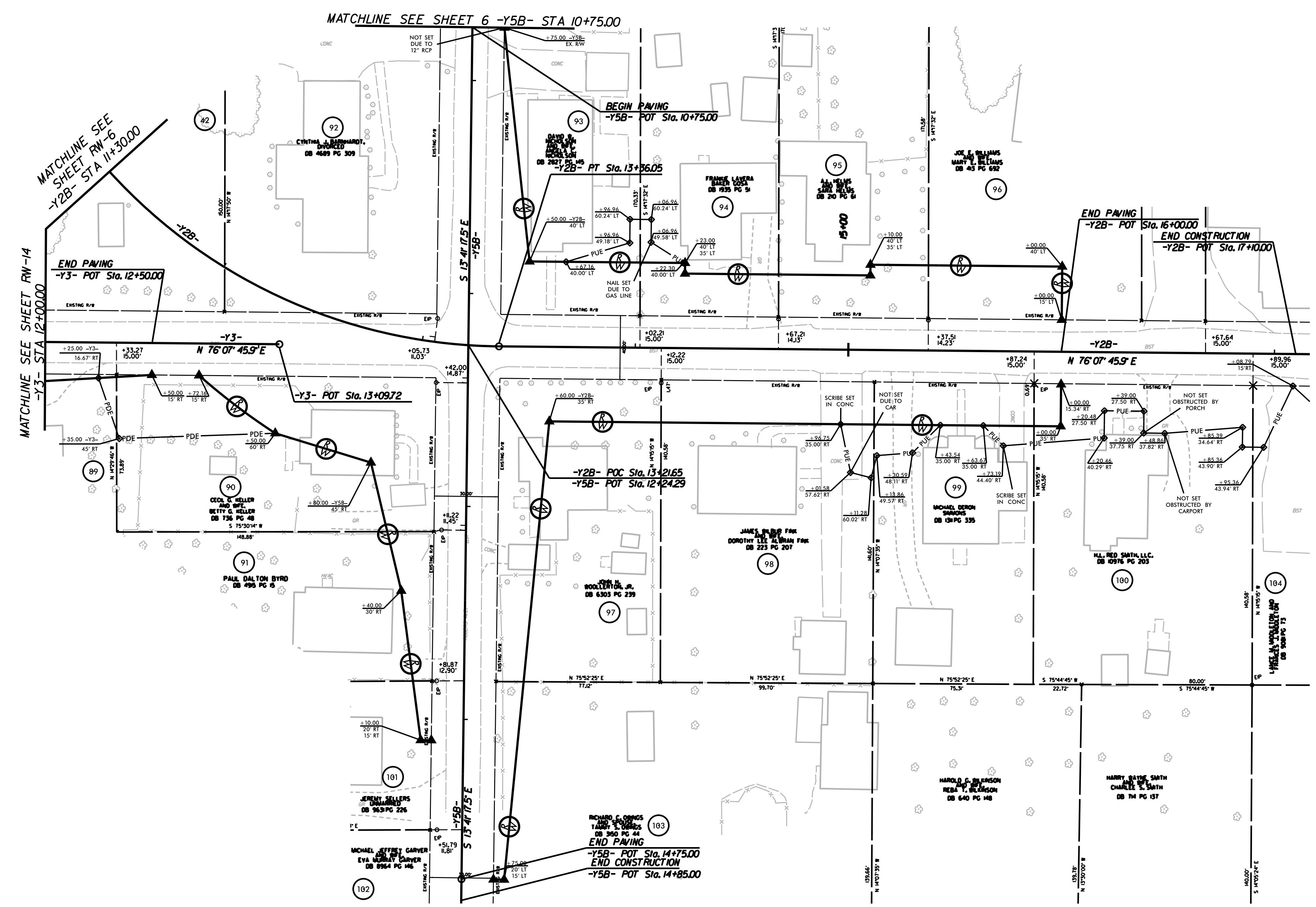
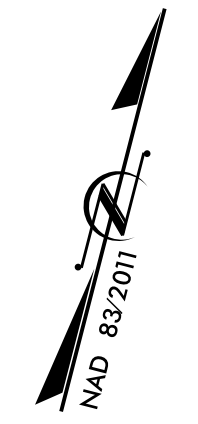
TIMOTHY A. RUDOLPH
 Professional Land Surveyor

PLS#
 L-2666



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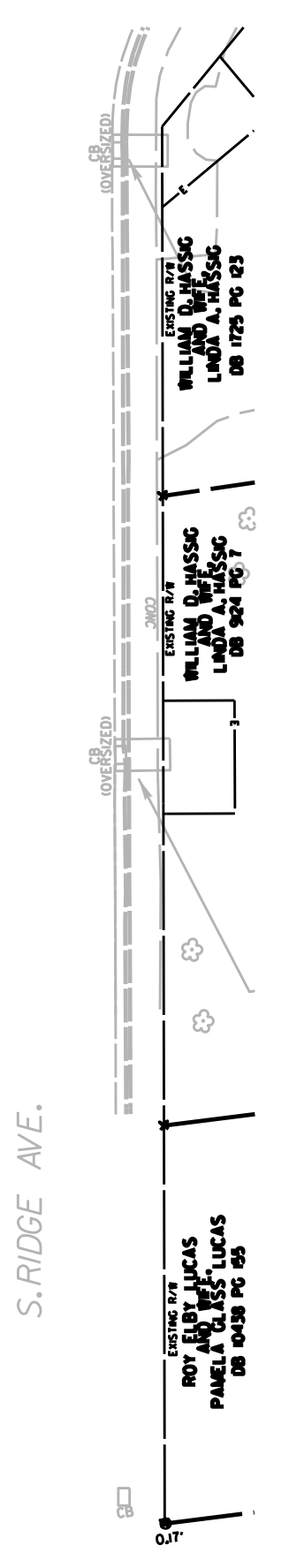
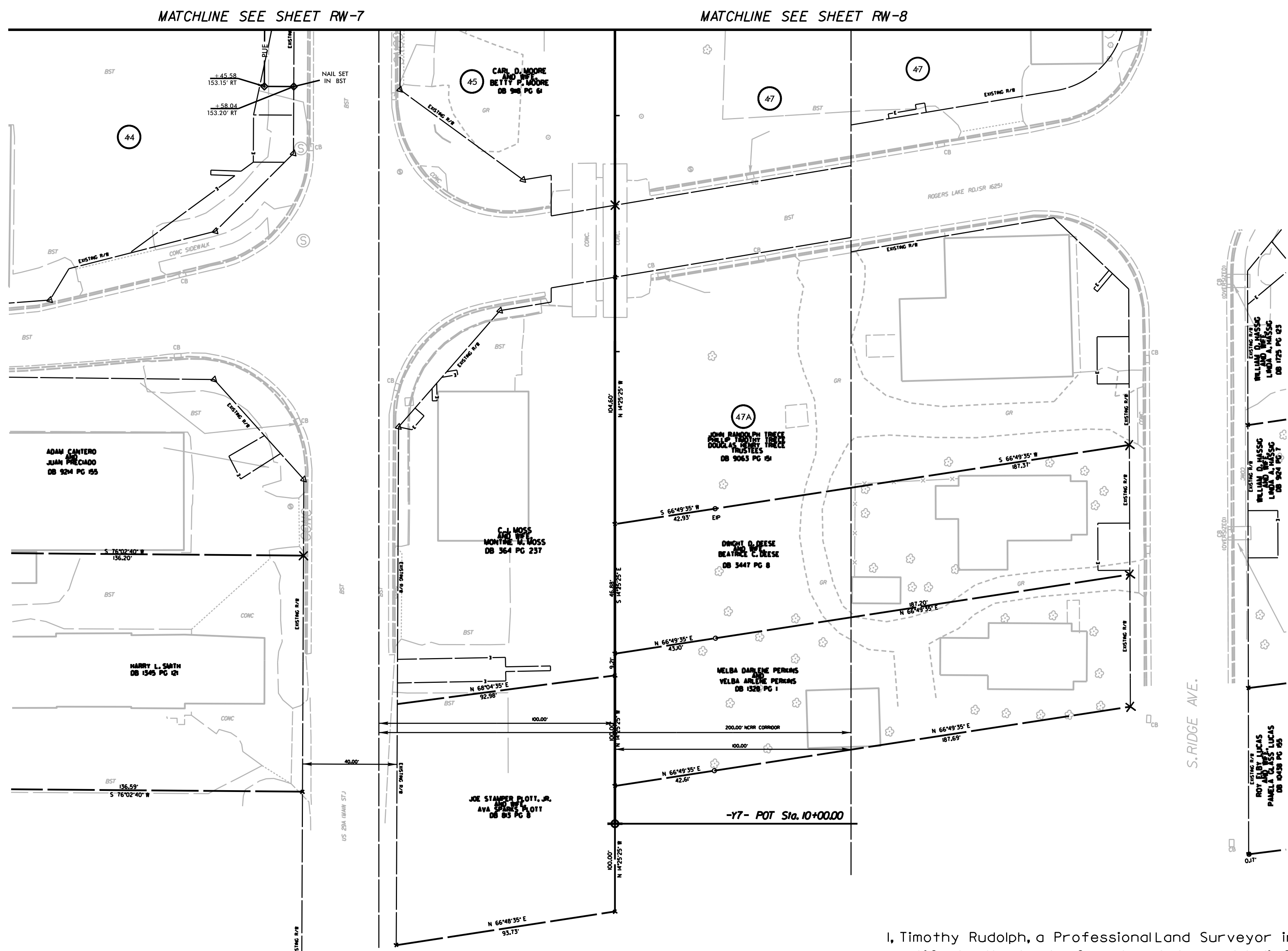
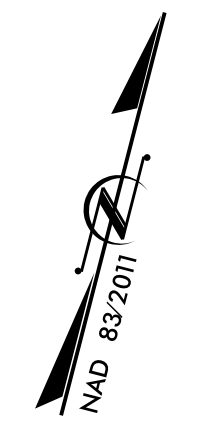


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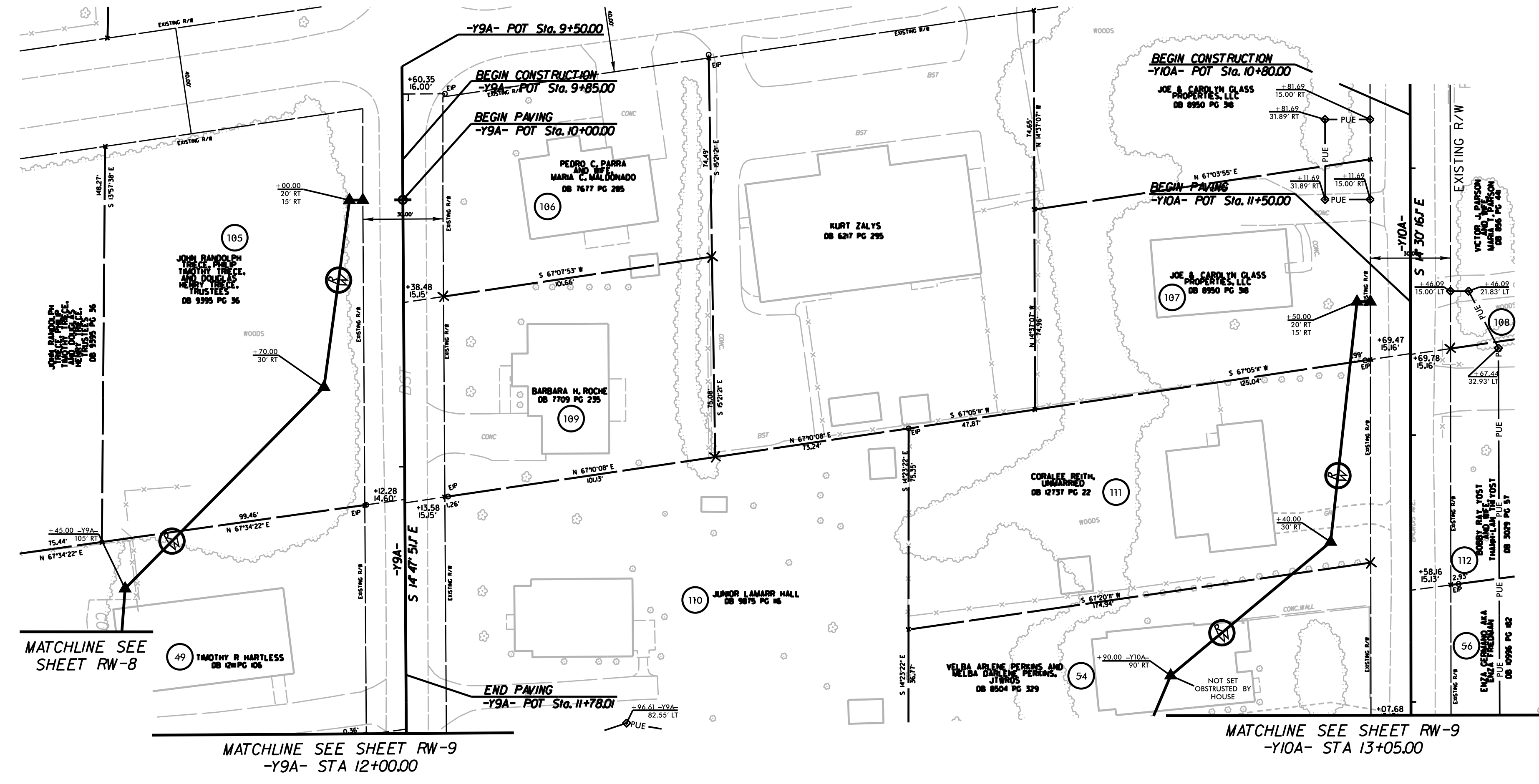
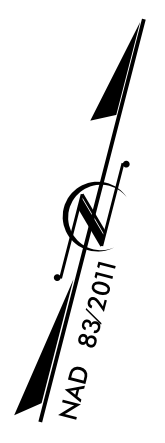
TIMOTHY A. RUDOLPH
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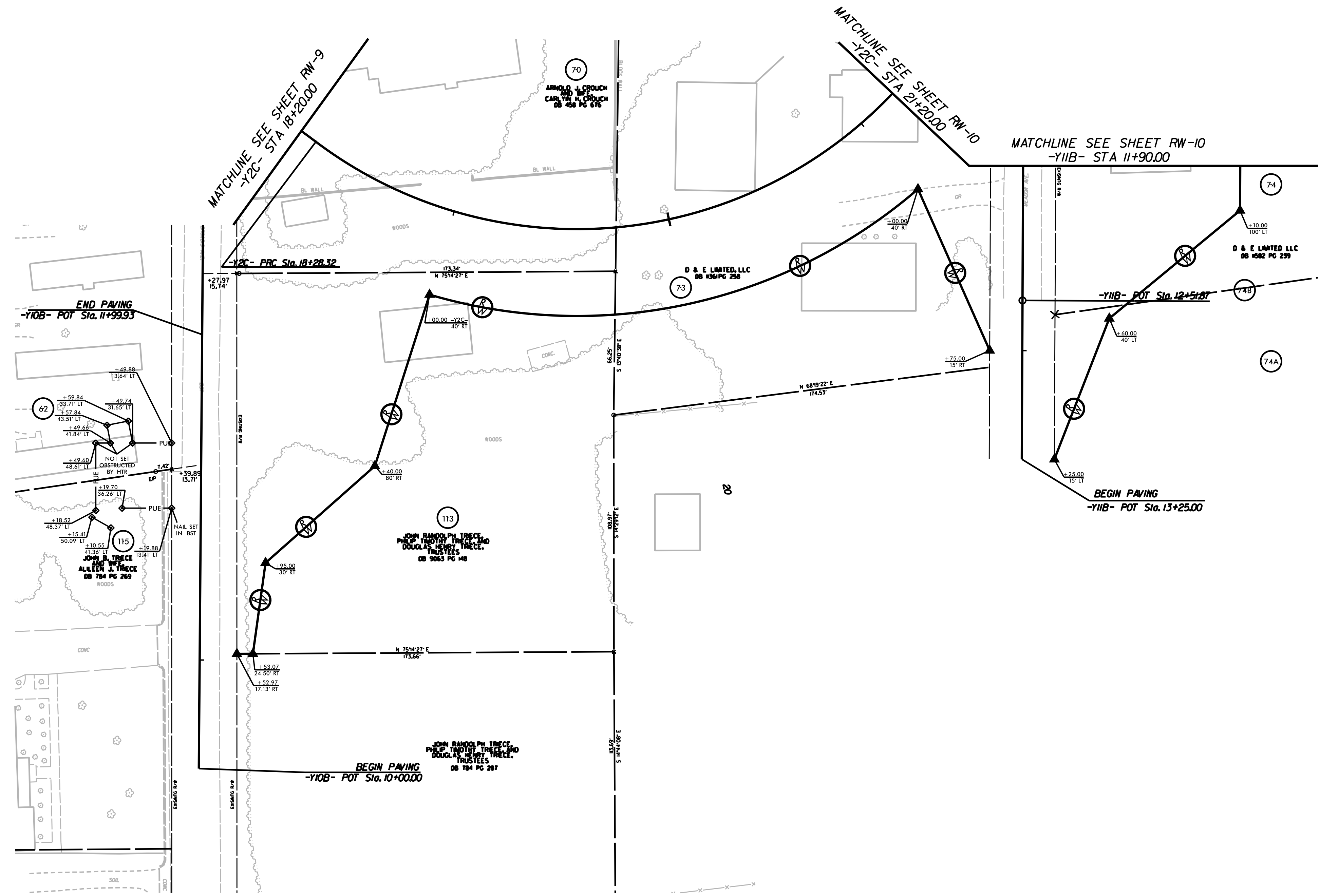
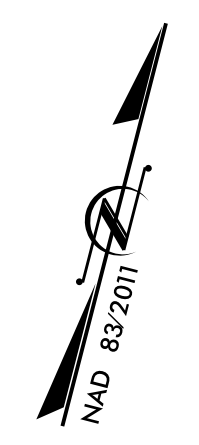
TIMOTHY A. RUDOLPH
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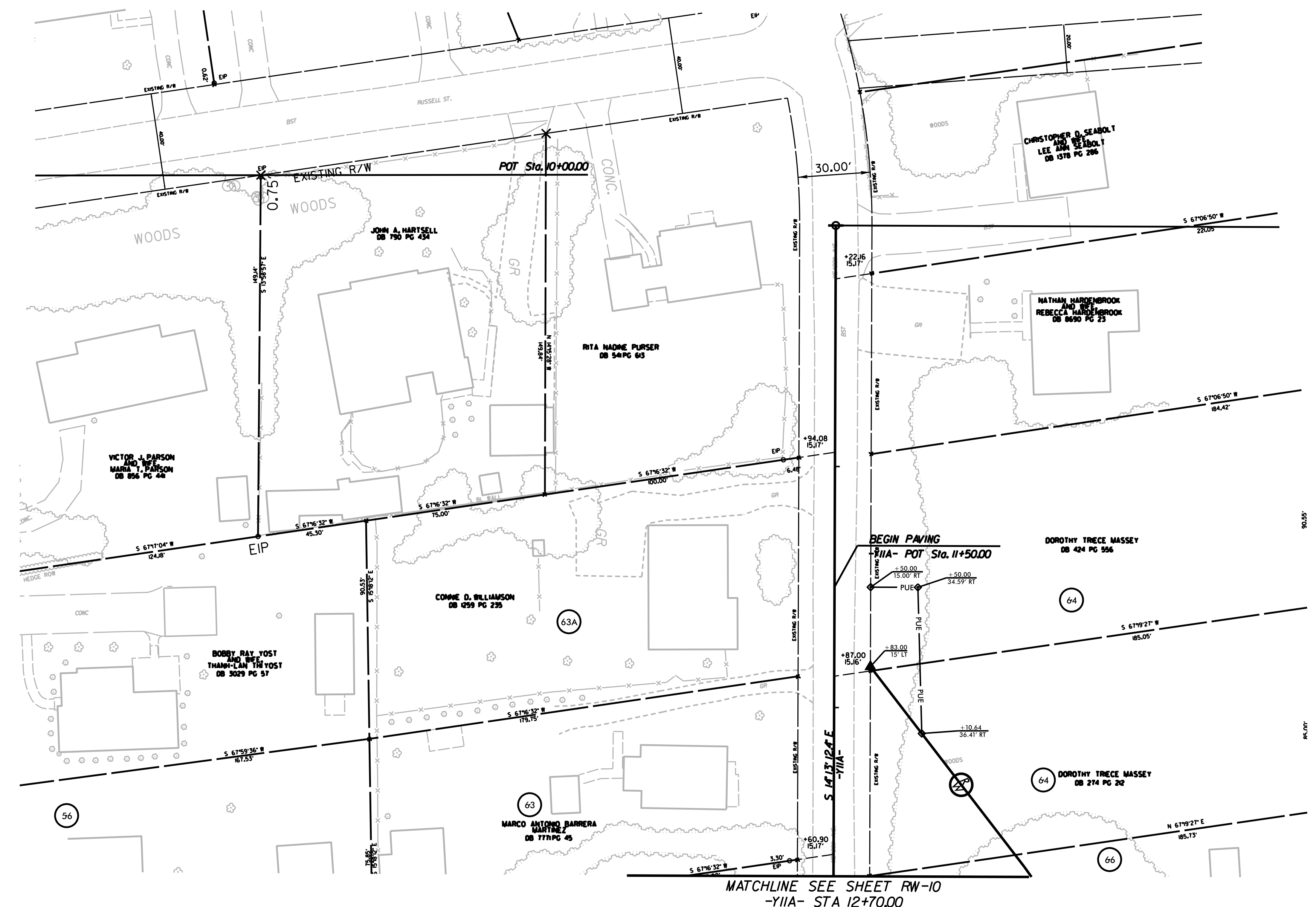
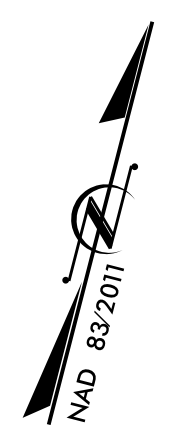
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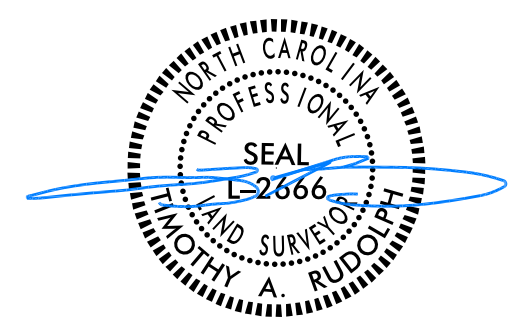
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