

09/06/99

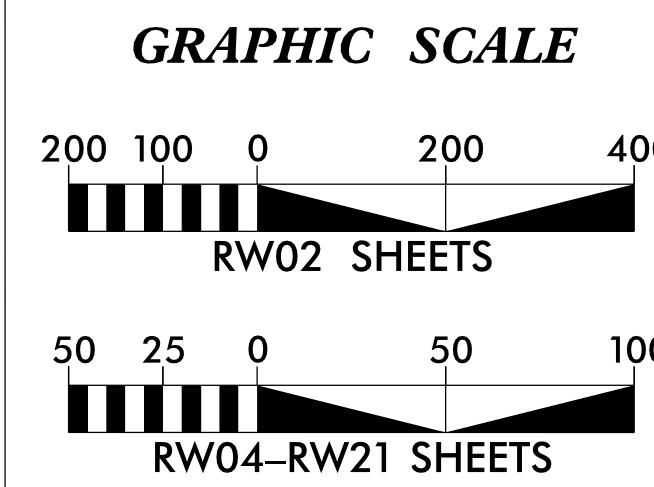
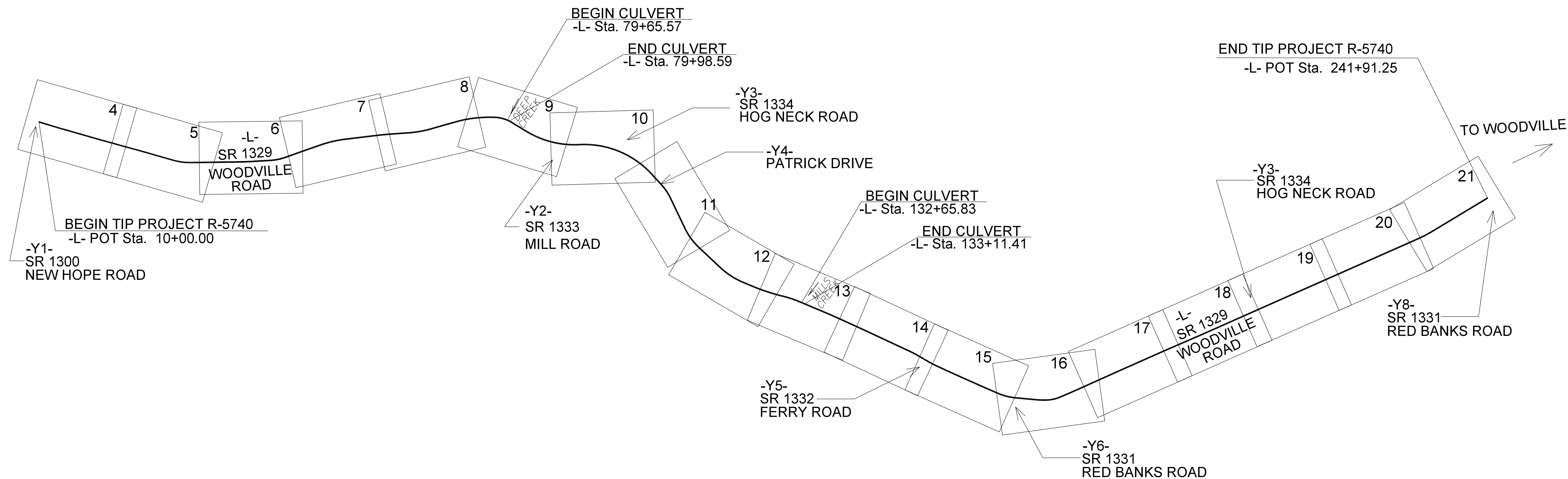
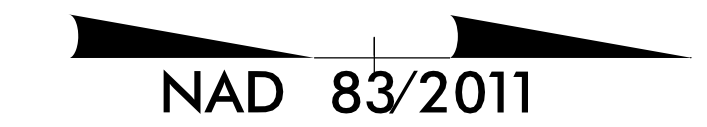
TIP PROJECT: R-5740

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5740	RW01	30

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

PERQUIMANS COUNTY



DATUM DESCRIPTION
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY JMT INC. FOR MONUMENT "R-5716 CENTROID" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 907799.5148(ft) EASTING: 2780294.6280(ft) PROJECT ELEVATION IS BASED ON USGS MONUMENT "39 MEA" WITH NAVD 88 ORTHO HEIGHT OF ELEVATION: 7.68(FT). THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.000019305
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R-5716 CENTROID" TO -L- STATION 10+00.00 IS S 28°46'50.08" E 24,510.63(ft)
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

LOCATION & SURVEYS
DIVISION 1 FIELD OFFICE

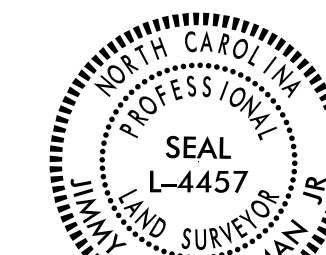
1300 US HWY 64W
PLYMOUTH, NC 27962

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JULY 2017

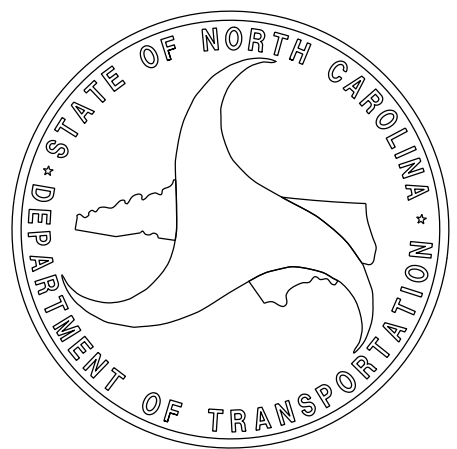
LETTING DATE:
MARCH 17, 2020

PROFESSIONAL LAND SURVEYOR



DocuSigned by:
Jimmy Liverman, Jr.
SIGNATURE

Date:
2/6/2020

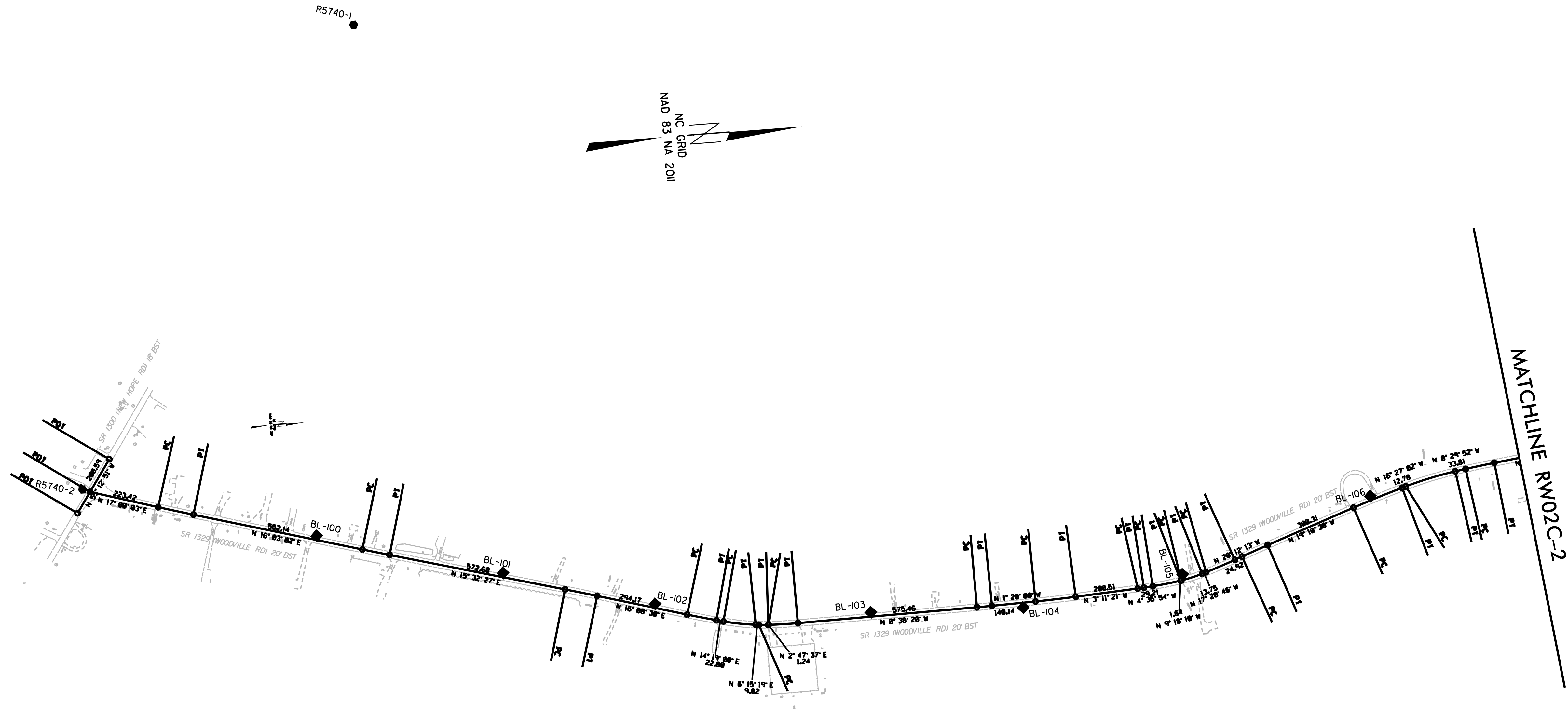


\$\$\$\$\$ SYSTEM TIME\$\$\$\$\$
 \$\$\$ DDMMYY \$\$\$
 \$\$\$ USERNAME\$\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
R-5740	RW02C-1
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



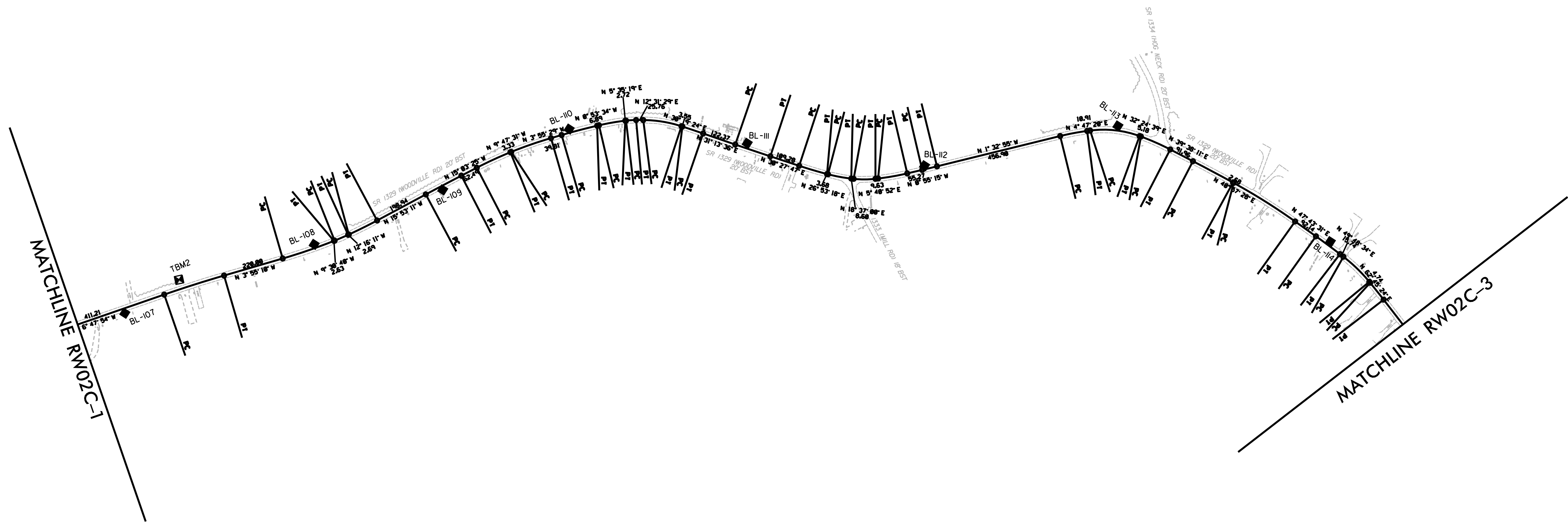
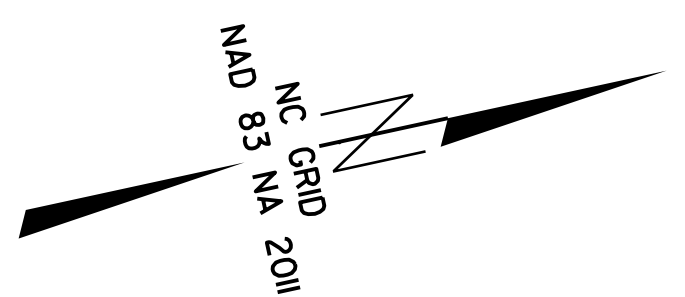
SEE SHEET RW02C-7
 FOR FURTHER
 ALIGNMENT DETAILS
 NOTES:

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.
R-5740x	RW02C-2
Location and Surveys	
INSERT CONSULTANT'S NAME	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW02C-7
FOR FURTHER
ALIGNMENT DETAILS

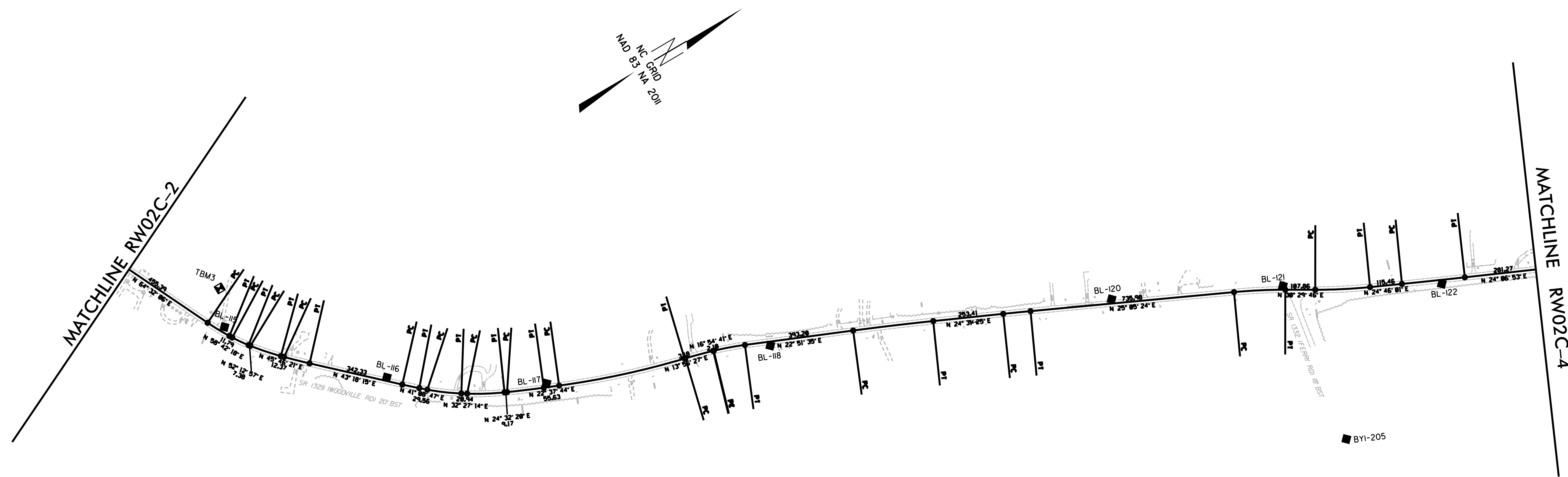
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PROJECT REFERENCE NO.	SHEET NO.
R-5740	RW02C-3
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW02C-7
FOR FURTHER
ALIGNMENT DETAILS

NOTES:

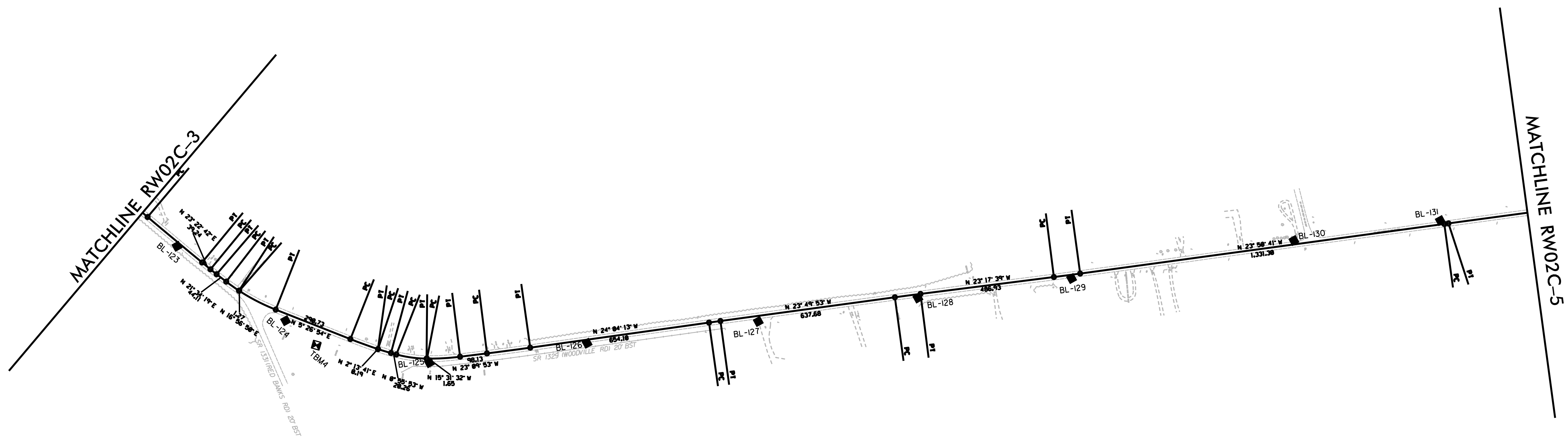
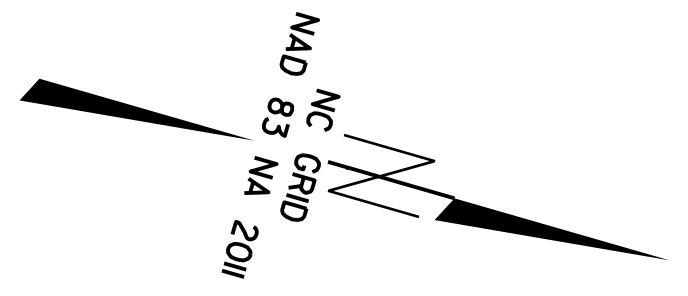
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● R5740-4

PROJECT REFERENCE NO.	SHEET NO.
R-5740	RW02C-4
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW02C-7
FOR FURTHER
ALIGNMENT DETAILS

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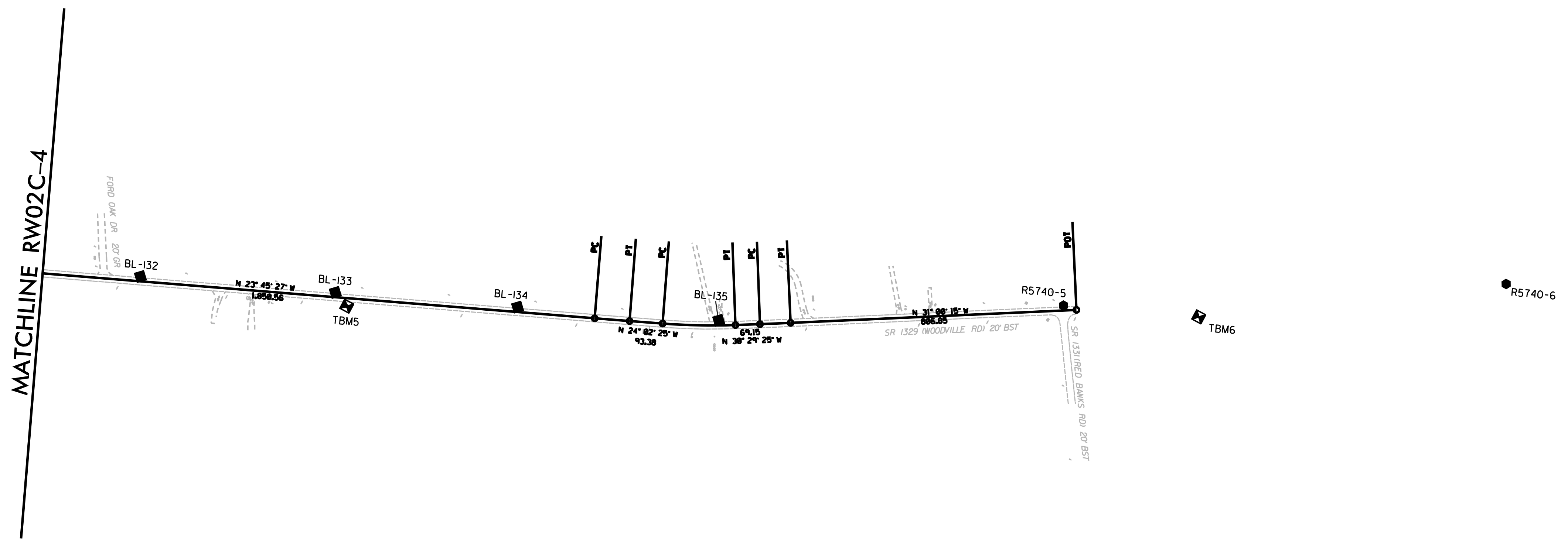
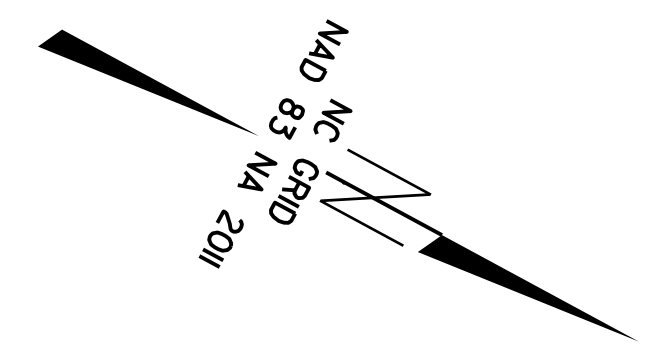
REVISIONS

16-DEC-2018 08:41
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 6/2/09

PROJECT REFERENCE NO.	SHEET NO.
R-5740	RW02C-5
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW02C-7 FOR FURTHER ALIGNMENT DETAILS

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PROJECT REFERENCE NO.	SHEET NO.
R-5740	RW02C-6
Location and Surveys	

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL	POINT	DESC.	NORTH	EAST	ELEVATION
2		R5740-2	886293.7880	2792085.9920	7.92
100		BL-100	887029.4250	2792291.5290	7.02
101		BL-101	887615.1870	2792455.9790	5.51
102		BL-102	888093.0010	2792592.7070	5.06
103		BL-103	888779.7430	2792672.0680	7.84
104		BL-104	889267.2140	2792694.8100	8.62
105		BL-105	889784.2430	2792628.0000	8.56
106		BL-106	890402.7900	2792424.4160	7.73
107		BL-107	891062.3630	2792335.5510	7.31
108		BL-108	891781.3300	2792238.4150	7.81
109		BL-109	892275.4420	2792144.9900	8.62
110		BL-110	892766.8080	2792028.0710	9.63
111		BL-111	893382.5980	2792214.1980	5.64
112		BL-112	893989.3840	2792428.7340	8.84
113		BL-113	894700.3810	2792436.8610	9.72
114		BL-114	895359.3720	2793006.2700	9.25
115		BL-115	895742.8830	2793705.8980	9.29
116		BL-116	896154.9840	2794158.7010	8.66
117		BL-117	896639.8040	2794468.8130	7.60
118		BL-118	897403.7140	2794759.4390	5.06
119		BL-119	898067.7810	2795047.1570	9.07
120		BL-120	898547.7260	2795238.0950	9.62
121		BL-121	899104.1150	2795509.1800	10.89
122		BL-122	899601.4820	2795792.5140	10.35
123		BL-123	900073.1100	2796001.6550	10.61
124		BL-124	900525.8920	2796151.7390	10.29
125		BL-125	901068.6430	2796153.9530	10.36
126		BL-126	901597.9810	2795927.7010	9.82
127		BL-127	902172.0080	2795680.3330	10.03
128		BL-128	902704.1290	2795438.4220	10.11
129		BL-129	903219.4930	2795216.2970	9.45
130		BL-130	903955.0180	2794860.9290	9.71
131		BL-131	904444.6670	2794644.5630	9.01
132		BL-132	904986.8600	2794406.4780	9.01
133		BL-133	905491.6720	2794184.4750	9.32
134		BL-134	905963.3910	2793976.3160	9.27
135		BL-135	906480.0000	2793739.2740	9.08
5		R5740-5	907315.4660	2793240.1490	8.17
6		R5740-6	908384.3250	2792592.8000	7.58

.....
 TBM1 ELEVATION • 7.68
 N 886290 E 2792073
 USGS39MEA

 TBM2 ELEVATION • 9.95
 N 891279 E 2792259
 NAIL IN 22° PINE

 TBM3 ELEVATION • 10.75
 N 895798 E 2793577
 NAIL IN 18° OAK

.....
 TBM4 ELEVATION • 12.00
 N 900657 E 2796206
 NAIL IN 24° SWEETGUM

 TBM5 ELEVATION • 9.93
 N 905539 E 2794203
 NAIL IN POLE


 TBM6 ELEVATION • 8.08
 N 907672 E 2793090
 NAIL IN POLE

NOTES:

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REVISIONS

RIGHT OF WAY CONTROL SHEET

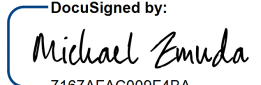
PROJECT REFERENCE NO.	SHEET NO.
R-5740	RW03E-2
Location and Surveys	
JOHNSON, MIRMIRAN & THOMPSON 1130 SITUS COURT, SUITE 200 RALEIGH, NC 27606	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

I FURTHER CERTIFY THAT THE DATA COMPILED CAME FROM AVAILABLE SURVEYS/MAPPING PERFORMED BY OTHERS AND PROVIDED TO ME BY THE 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; 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 5TH OF FEBRUARY 2020

DocuSigned by:

 MICHAEL W. ZMUDA, PLS #L-5205
 SENIOR ASSOCIATE

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	171+07.00	-30.00	900925.7921	2796128.2508
L	171+11.70	30.00	900930.8996	2796188.2172
L	171+27.05	-29.60	900944.9197	2796128.2973
L	172+22.06	30.00	901046.4031	2796175.6080
L	172+35.92	-30.46	901046.6280	2796113.5893
L	172+37.67	-30.51	901048.2200	2796113.1471
L	172+38.01	29.51	901062.6880	2796171.4000
L	172+39.58	29.46	901064.2800	2796170.9577
L	173+40.00	-30.00	901140.2890	2796082.1601
L	173+58.93	30.00	901181.2951	2796129.8763
L	174+57.06	30.00	901271.5118	2796091.2753
L	174+57.06	-30.00	901247.9094	2796036.1126
L	176+15.13	30.00	901416.7791	2796027.7569
L	176+15.13	-30.00	901392.3077	2795972.9742
L	182+48.38	-30.00	901970.4873	2795714.7016
L	182+69.26	29.99	902014.0014	2795760.9780
L	183+10.91	29.99	902052.0075	2795744.0956
L	183+31.80	-30.00	902046.8427	2795680.7845
L	188+27.00	30.00	902524.0647	2795535.5854
L	189+01.76	-30.00	902568.2055	2795450.4958
L	189+01.76	30.00	902592.4482	2795505.3801
L	190+89.21	30.00	902764.0122	2795430.5583
L	190+89.21	-30.00	902740.2850	2795375.4491
L	192+36.00	-30.00	902875.1104	2795317.4000
L	194+81.25	30.00	903124.0980	2795275.5233
L	195+29.35	-29.94	903144.4805	2795201.4227
L	196+25.25	-29.94	903232.2516	2795163.1322
L	196+73.35	30.00	903300.4324	2795198.5966
L	199+10.00	30.00	903516.8848	2795102.9284
L	205+04.00	-30.00	904035.9286	2794807.9207
L	209+26.18	-30.00	904422.0708	2794637.2524
L	209+56.64	29.99	904474.1747	2794679.8226
L	209+71.83	29.99	904488.0618	2794673.6973
L	210+02.30	-30.00	904491.7571	2794606.5156
L	228+22.41	30.00	906181.8070	2793928.1710
L	228+22.41	-30.00	906157.6352	2793873.2554
L	229+21.15	-30.00	906247.7704	2793833.3152
L	229+21.15	30.00	906272.2131	2793888.1108
L	230+11.65	-30.00	906330.4208	2793796.4473
L	230+14.49	30.00	906357.4959	2793850.0686
L	231+23.00	-30.00	906429.2940	2793749.0004
L	232+19.85	-30.71	906512.6725	2793702.7025
L	232+20.35	29.29	906543.1161	2793754.4054
L	232+88.99	29.61	906602.7039	2793719.3190
L	232+89.53	-30.39	906572.2604	2793667.6161
L	233+75.77	-30.00	906646.3789	2793623.5251
L	233+75.77	30.00	906677.2849	2793674.9529
L	235+43.00	-30.00	906789.7151	2793537.3861
L	238+79.00	-30.00	907077.7109	2793364.3126
L	240+74.15	30.00	907275.8840	2793315.2199
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REVISIONS

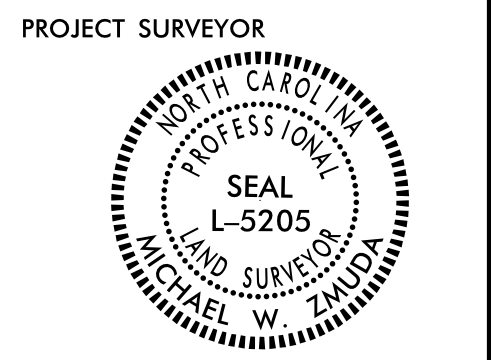
NOTES:

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

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

Location and Surveys

JOHNSON, MIRMIRAN & THOMPSON
1130 SITUS COURT, SUITE 200
RALEIGH, NC 27606



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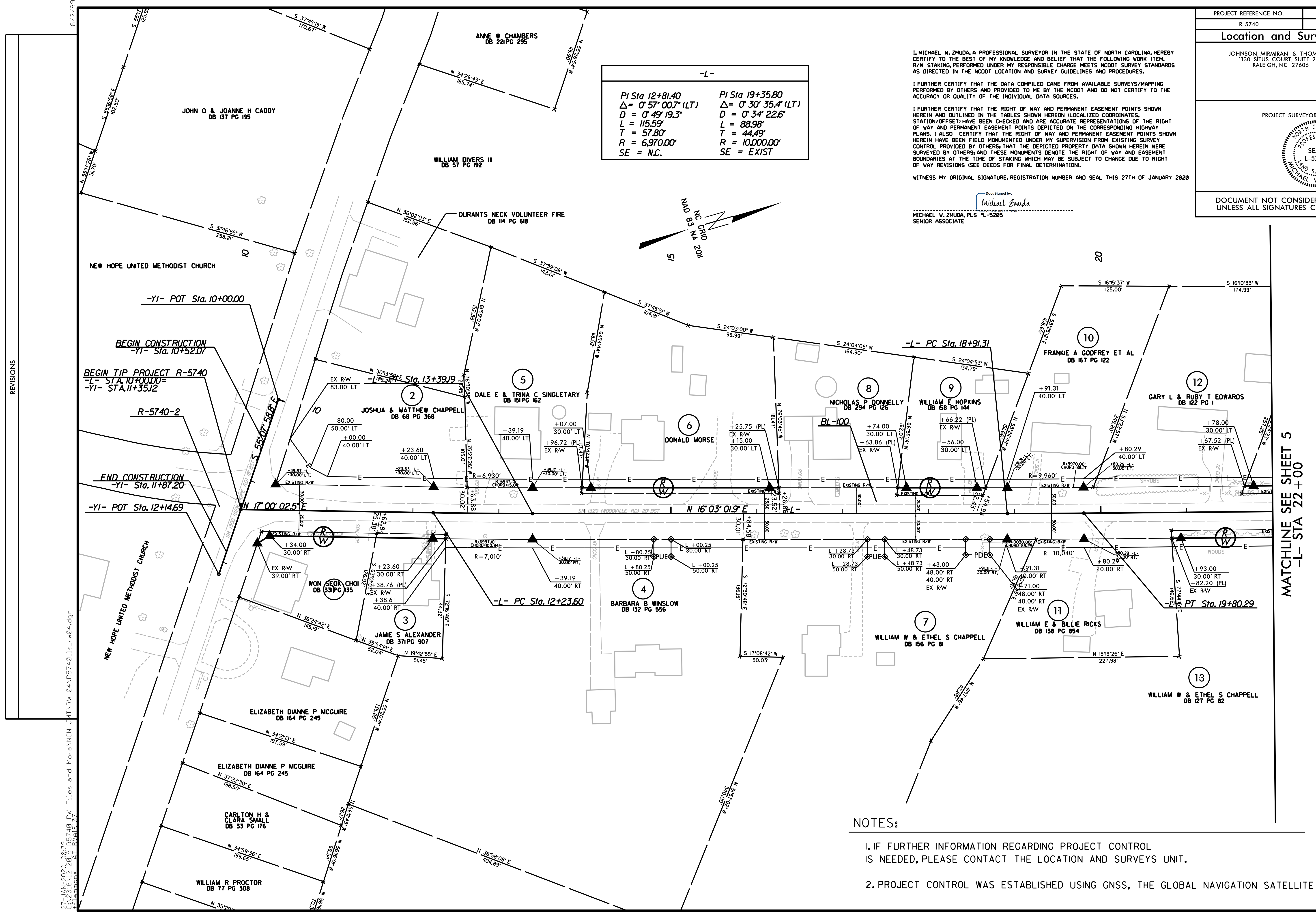
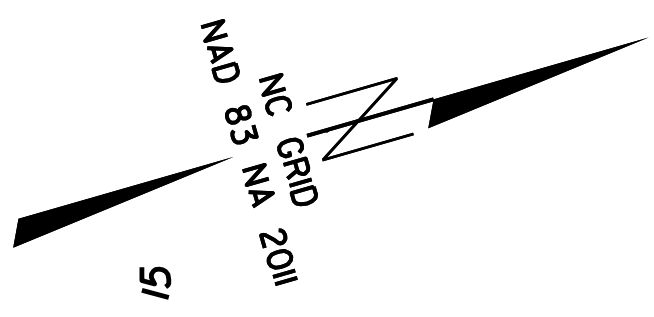
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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

DocuSigned by:
Michael Zmuda
MICHAEL W. ZMUDA, PLS #L-5205
SENIOR ASSOCIATE

-L-	
PI Sta 12+81.40	PI Sta 19+35.80
$\Delta = 0^\circ 57' 00.7''$ (LT)	$\Delta = 0^\circ 30' 35.4''$ (LT)
D = 0' 49' 19.3"	D = 0' 34' 22.6"
L = 115.59'	L = 88.98'
T = 57.80'	T = 44.49'
R = 6,970.00'	R = 10,000.00'
SE = N.C.	SE = EXIST




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

MATCHLINE SEE SHEET 5
-L- STA 22 +00

REVISIONS

6/2/19
C:\Users\mz020\OneDrive\Documents\Projects\5740_RW\Files and More\NON JMT\RW-04\5740_Ls_rw04.dgn
1/27/20 10:12:20 AM BVA131071

PROJECT REFERENCE NO.	SHEET NO.
R-5740	RW05
Location and Surveys	
JOHNSON, MIRMIRAN & THOMPSON 1130 SITUS COURT, SUITE 200 RALEIGH, NC 27606	
PROJECT SURVEYOR	
	
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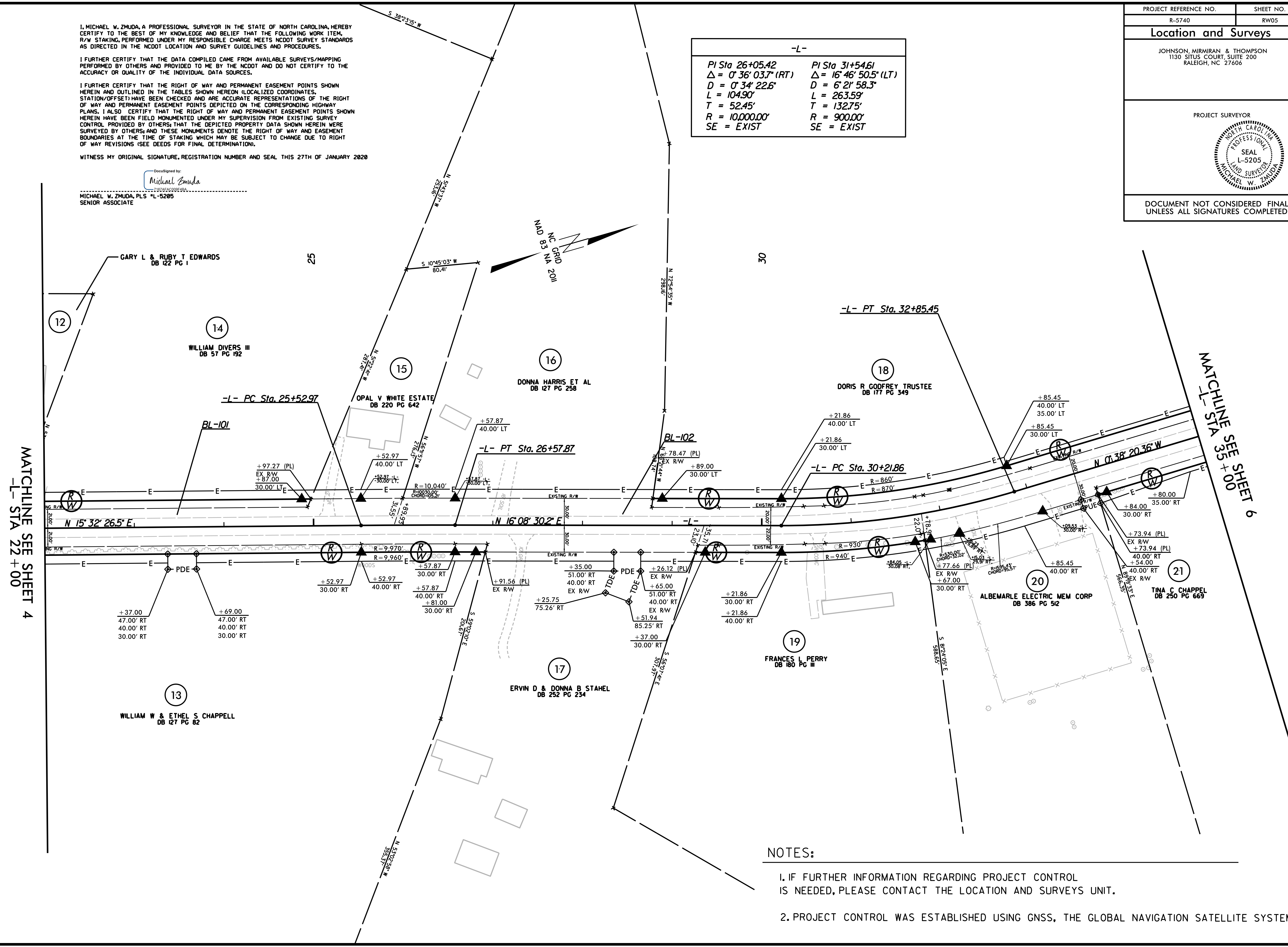
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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

DocuSigned by:
Michael Zmuda
2107AFAC00849A

MICHAEL W. ZMUDA, PLS #L-5205
SENIOR ASSOCIATE

-L-	
PI Sta 26+05.42	PI Sta 31+54.61
$\Delta = 0^{\circ} 36' 03.7''$ (RT)	$\Delta = 16^{\circ} 46' 50.5''$ (LT)
D = 0' 34' 22.6"	D = 6' 21' 58.3"
L = 104.90'	L = 263.59'
T = 52.45'	T = 132.75'
R = 10,000.00'	R = 900.00'
SE = EXIST	SE = EXIST



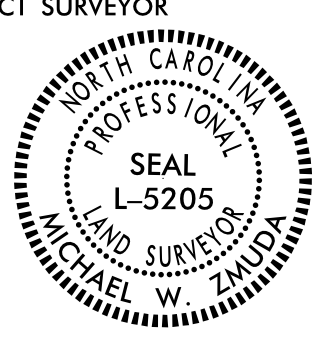
- NOTES:**
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
 - PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

6/2/09
7-MN-2020-08-40
C:\Users\jmt\OneDrive\Documents\Projects\5740\RW Files and More\NON JMT\RW-04\5740_1s_rw05.dgn
27-2018-12-20
BVA131071
Filemons

REVISIONS

MATCHLINE SEE SHEET 4
-L- STA 22+00

MATCHLINE SEE SHEET 6
-L- STA 35+00

PROJECT REFERENCE NO.	SHEET NO.
R-5740	RW06
Location and Surveys	
JOHNSON, MIRMIRAN & THOMPSON 1130 SITUS COURT, SUITE 200 RALEIGH, NC 27606	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

I FURTHER CERTIFY THAT THE DATA COMPILED CAME FROM AVAILABLE SURVEYS/MAPPING PERFORMED BY OTHERS AND PROVIDED TO ME BY THE NCDOT AND DO NOT CERTIFY TO THE ACCURACY OR QUALITY OF THE INDIVIDUAL DATA SOURCES.

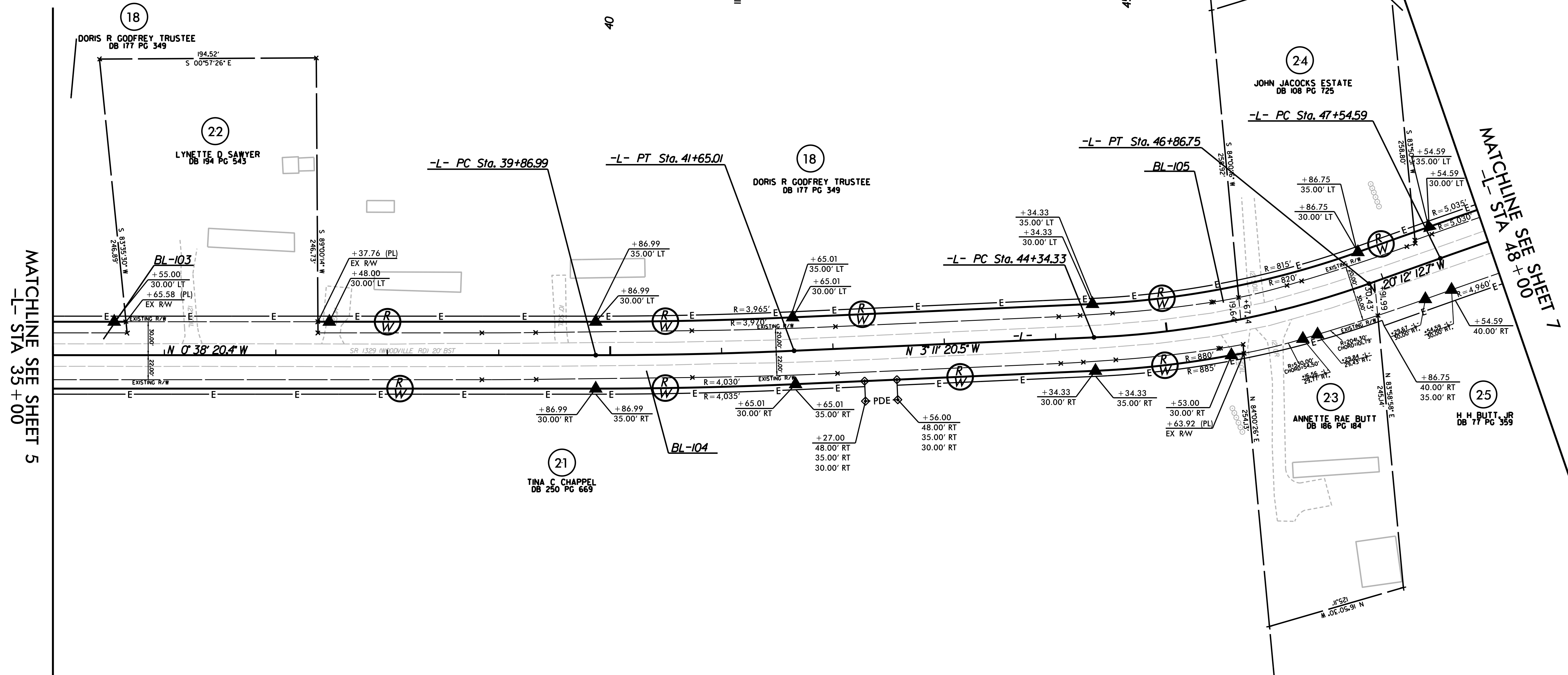
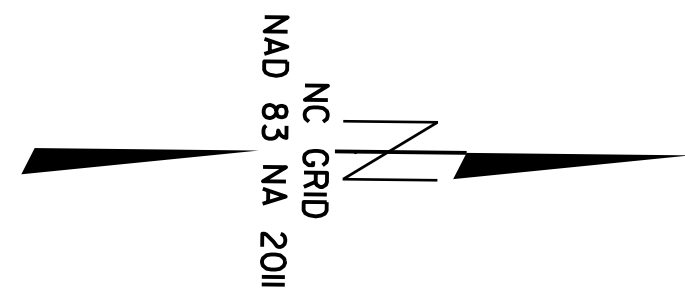
I FURTHER CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT POINTS SHOWN HEREIN AND OUTLINED IN THE TABLES SHOWN HEREON (LOCALIZED COORDINATES, STATION/OFFSET) HAVE BEEN CHECKED AND ARE ACCURATE REPRESENTATIONS OF THE RIGHT OF WAY AND PERMANENT EASEMENT POINTS DEPICTED ON THE CORRESPONDING HIGHWAY 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 27TH OF JANUARY 2020

DocuSigned by:
Michael Zmuda

MICHAEL W. ZMUDA, PLS #L-5205
SENIOR ASSOCIATE

-L-	
PI Sta 40+76.02 Δ = 2° 33' 00.2" (LT) D = 1' 25' 56.6" L = 178.03' T = 89.03' R = 4,000.00' SE = EXIST	PI Sta 45+61.48 Δ = 17° 00' 52.2" (LT) D = 6' 44' 26.4" L = 252.42' T = 127.14' R = 850.00' SE = EXIST



REVISIONS

MATCHLINE SEE SHEET 5
-L- STA 35+00

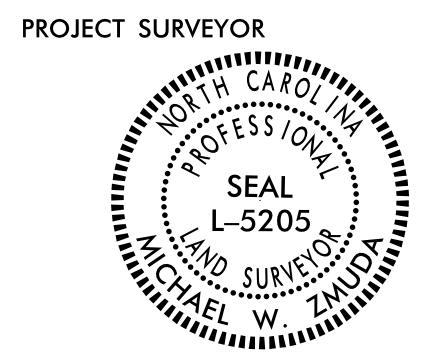
MATCHLINE SEE SHEET 7
-L- STA 48+00

NOTES:

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

Location and Surveys

JOHNSON, MIRMIRAN & THOMPSON
1130 SITUS COURT, SUITE 200
RALEIGH, NC 27606



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-L-	
PI Sta 47+99.47	PI Sta 53+92.03
$\Delta = 1^{\circ}01'42.6"$ (RT)	$\Delta = 12^{\circ}22'36.5"$ (RT)
D = 1'08'45.3"	D = 3'22'13.2"
L = 89.75'	L = 367.23'
T = 44.88'	T = 184.33'
R = 5,000.00'	R = 1,700.00'
SE = EXIST	SE = EXIST

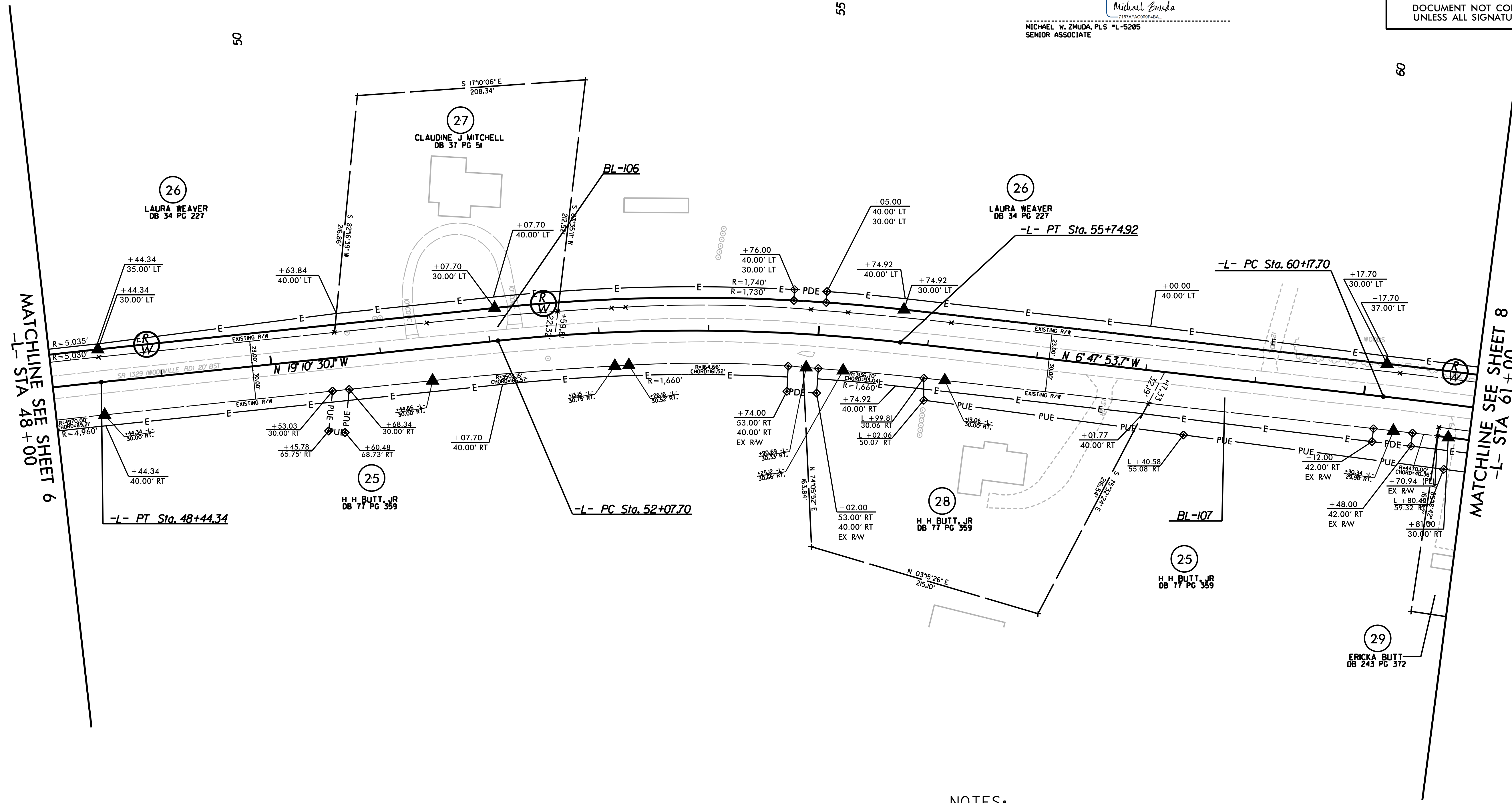
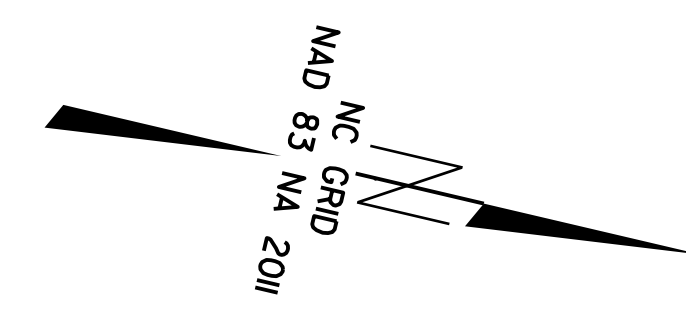
I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

DocuSigned by:
Michael Zmuda
7107AFACD09F4BA
MICHAEL W. ZMUDA, PLS #L-5205
SENIOR ASSOCIATE



MATCHLINE SEE SHEET 6
-L- STA 48+00

MATCHLINE SEE SHEET 8
-L- STA 61+00

NOTES:

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REVISIONS

6/2/19
27-Jan-2020_08:40
C:\Users\mz2018\OneDrive\Documents\Projects\5740_RW_Files and More\NOND\JMT\RW-04\5740_Ls_rw07.dgn
BVA181071

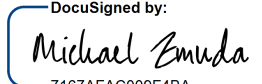
-L-			
<i>PI Sta 61+43.34</i>	<i>PI Sta 66+68.08</i>	<i>PI Sta 71+14.81</i>	<i>PI Sta 73+46.53</i>
$\Delta = 2' 52' 43.3''$ (RT)	$\Delta = 1' 58' 00.3''$ (LT)	$\Delta = 0' 49' 45.1''$ (RT)	$\Delta = 7' 33' 51.0''$ (RT)
$D = 1' 08' 45.3''$	$D = 3' 34' 51.6''$	$D = 0' 34' 22.6''$	$D = 3' 49' 11.0''$
$L = 251.21'$	$L = 334.17'$	$L = 144.72'$	$L = 198.03'$
$T = 125.63'$	$T = 167.70'$	$T = 72.36'$	$T = 99.16'$
$R = 5,000.00'$	$R = 1,600.00'$	$R = 10,000.00'$	$R = 1,500.00'$
SE = EXIST	SE = EXIST	SE = EXIST	SE = EXIST

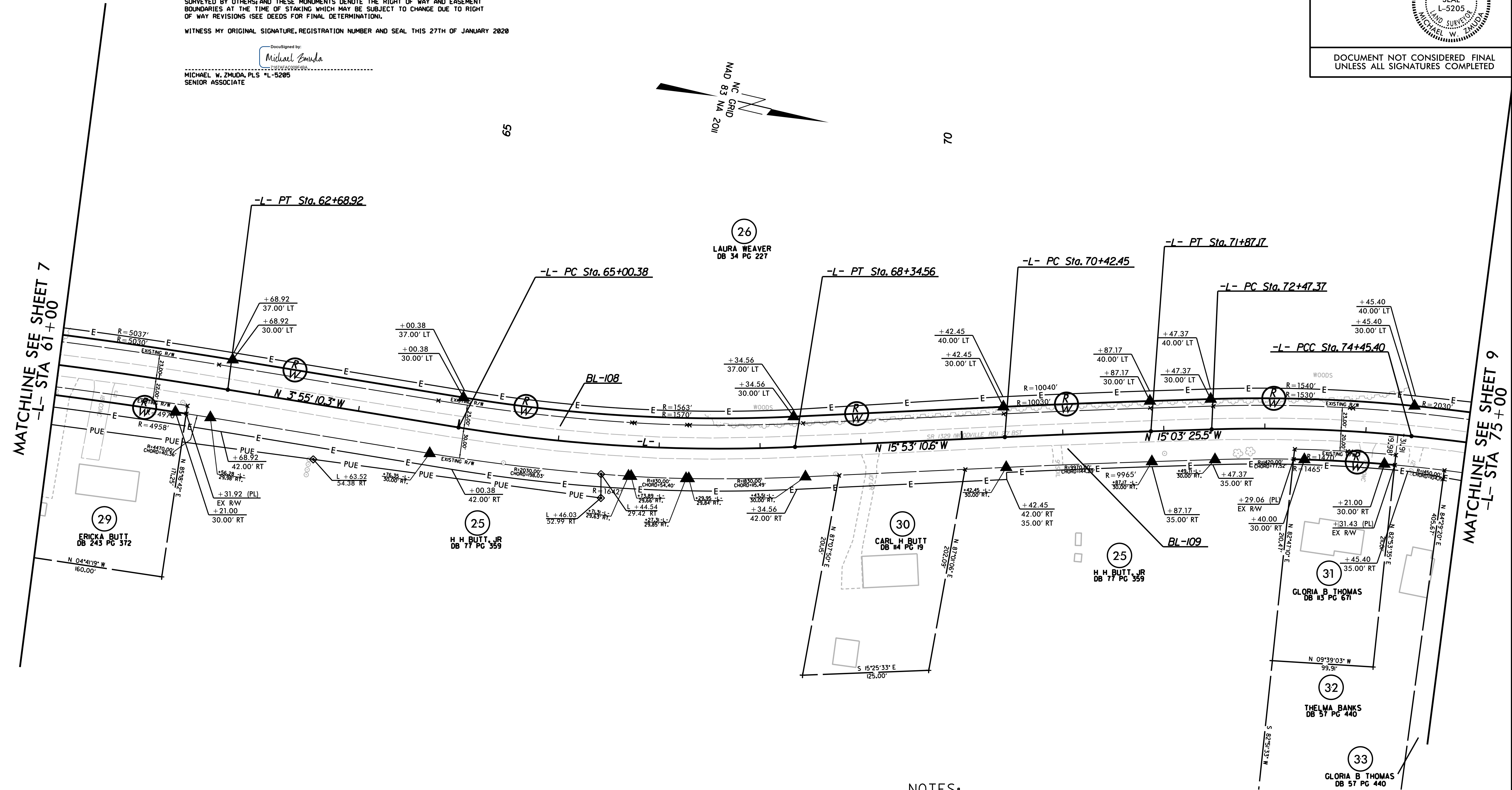
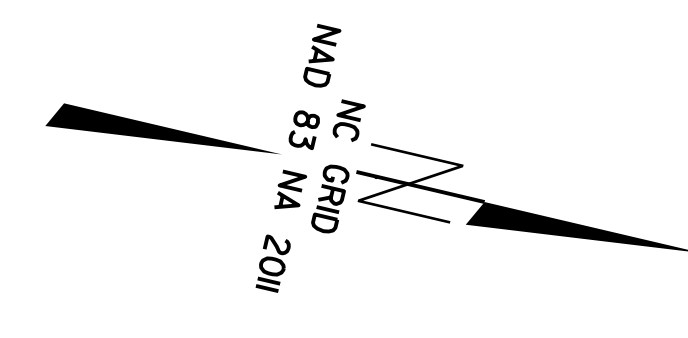
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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

DocuSigned by:

 MICHAEL W. ZMUDA, PLS *L-5205
 SENIOR ASSOCIATE



NOTES:

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REVISIONS
 6/2/2019
 C:\JAN-2020-08-10-15740-RW-Files and More\NON-JMT-RW-04-R5740-1s-rw-08.dgn
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 Files and More\NON-JMT-RW-04-R5740-1s-rw-08.dgn
 7:20:18 PM 12/2/2019
 Files and More\NON-JMT-RW-04-R5740-1s-rw-08.dgn

I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

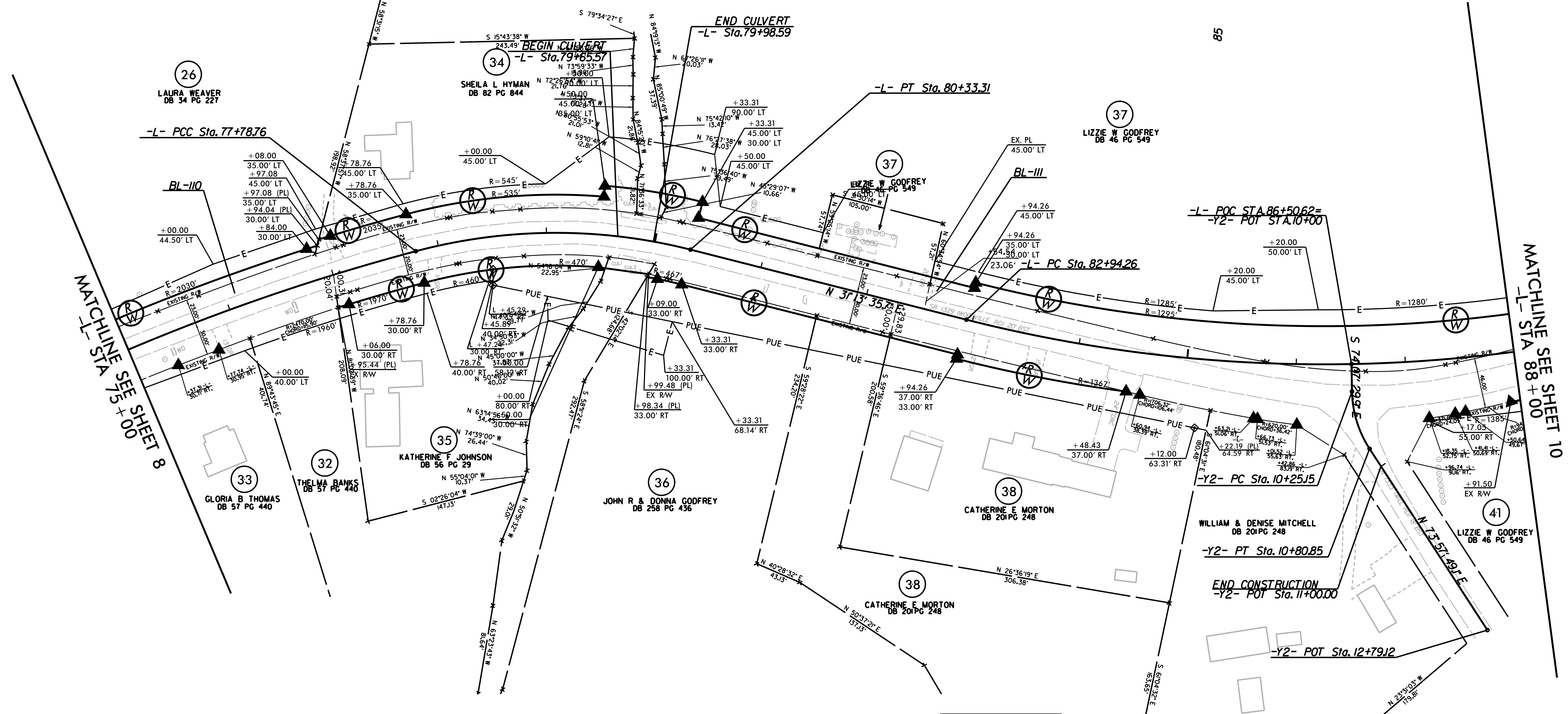
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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

-L-		
PI Sta 76+12.47 Δ = 9° 33' 00.5" (RT) D = 2° 51' 53.2" L = 333.36' T = 167.07' R = 2,000.00' SE = EXIST	PI Sta 79+08.86 Δ = 29° 10' 09.7" (RT) D = 1° 27' 33.0" L = 254.55' T = 130.10' R = 500.00' SE = EXIST	PI Sta 87+04.57 Δ = 34° 17' 24.4" (LT) D = 4° 18' 28.6" L = 795.97' T = 410.31' R = 1,330.00' SE = 0.06

Designed by:
Michael Zmuda
MICHAEL W. ZMUDA, PLS #L-5205
SENIOR ASSOCIATE



-Y2-	
PI Sta 10+53.74 Δ = 31° 54' 41.0" (LT) D = 57° 17' 44.8" L = 55.70' T = 28.59' R = 100.00' SE = 0.01	

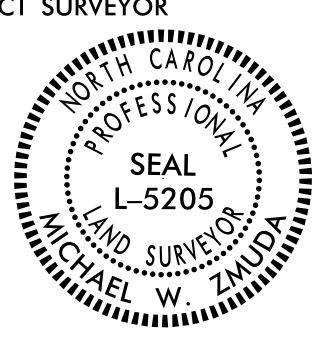
NOTES:

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REVISIONS

6/2/19
7-11-2020_08:40
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BVA131071

6/2/09

PROJECT REFERENCE NO.	SHEET NO.
R-5740	RW10
Location and Surveys	
JOHNSON, MIRMIRAN & THOMPSON 1130 SITUS COURT, SUITE 200 RALEIGH, NC 27606	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

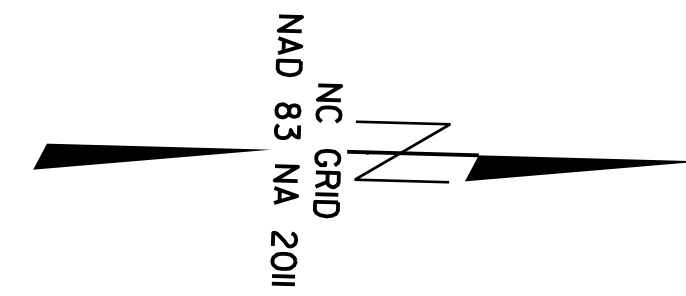
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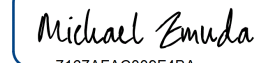
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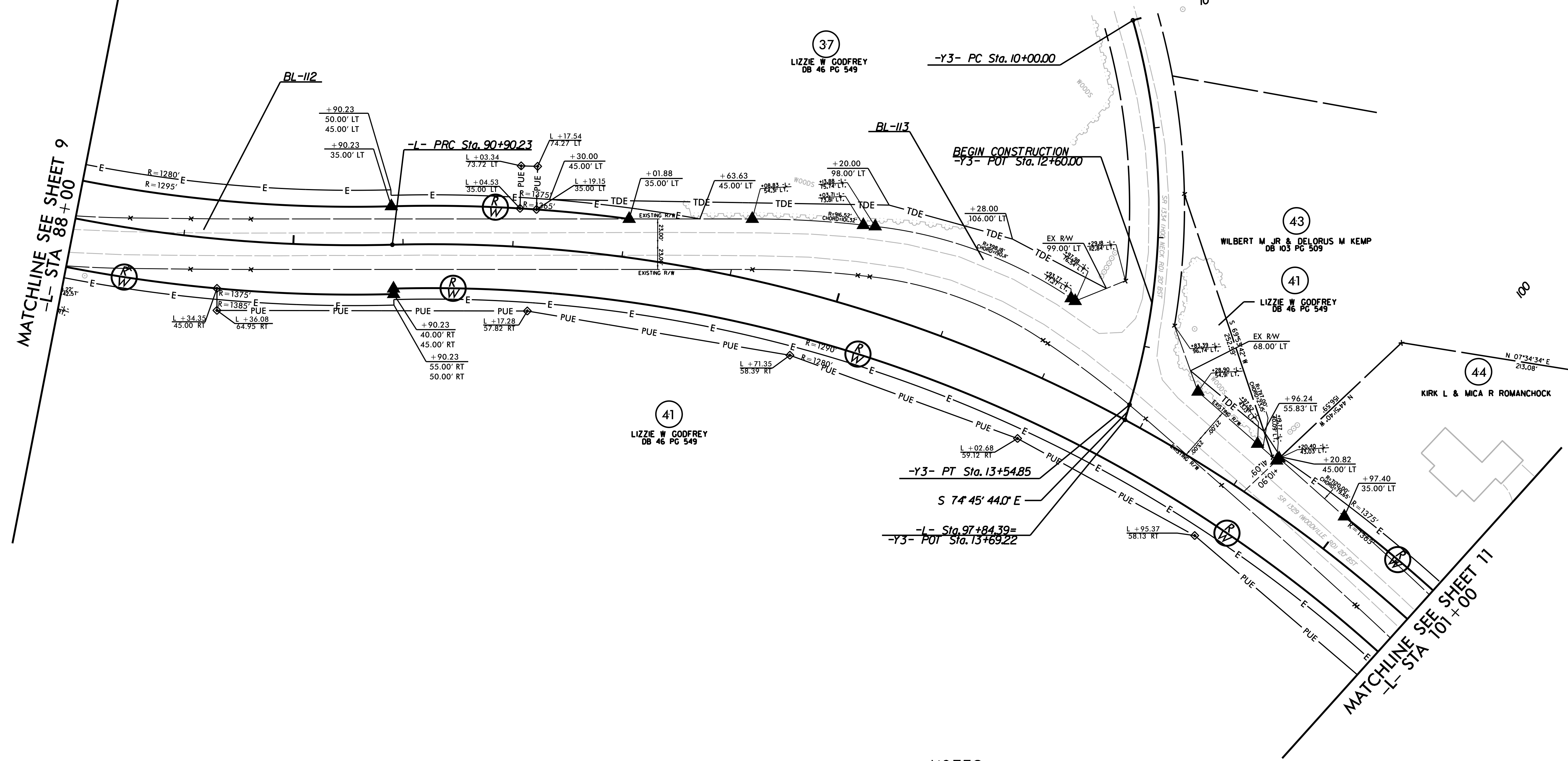
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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

-L-	-Y3-
PI Sta 97+21.60 $\Delta = 50^{\circ} 47' 19.7''$ (RT) $D = 418' 28.6''$ $L = 1178.95'$ $T = 631.37'$ $R = 1,330.00'$ $SE = 0.06$	PI Sta 11+82.36 $\Delta = 32^{\circ} 33' 31.0''$ (RT) $D = 910' 31.2''$ $L = 354.85'$ $T = 182.36'$ $R = 624.45'$ $SE = 0.02$



DocuSigned by:

 MICHAEL W. ZMUDA, PLS *L-5205
 SENIOR ASSOCIATE



REVISIONS

C:\Users\mz2000\OneDrive\Files and More\NCDOT\Projects\5740\RW\Files and More\NCDOT\Projects\5740\RW\10.dgn
 6/2/09
 Michael W. Zmuda

NOTES:

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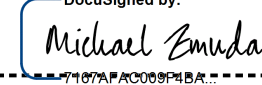
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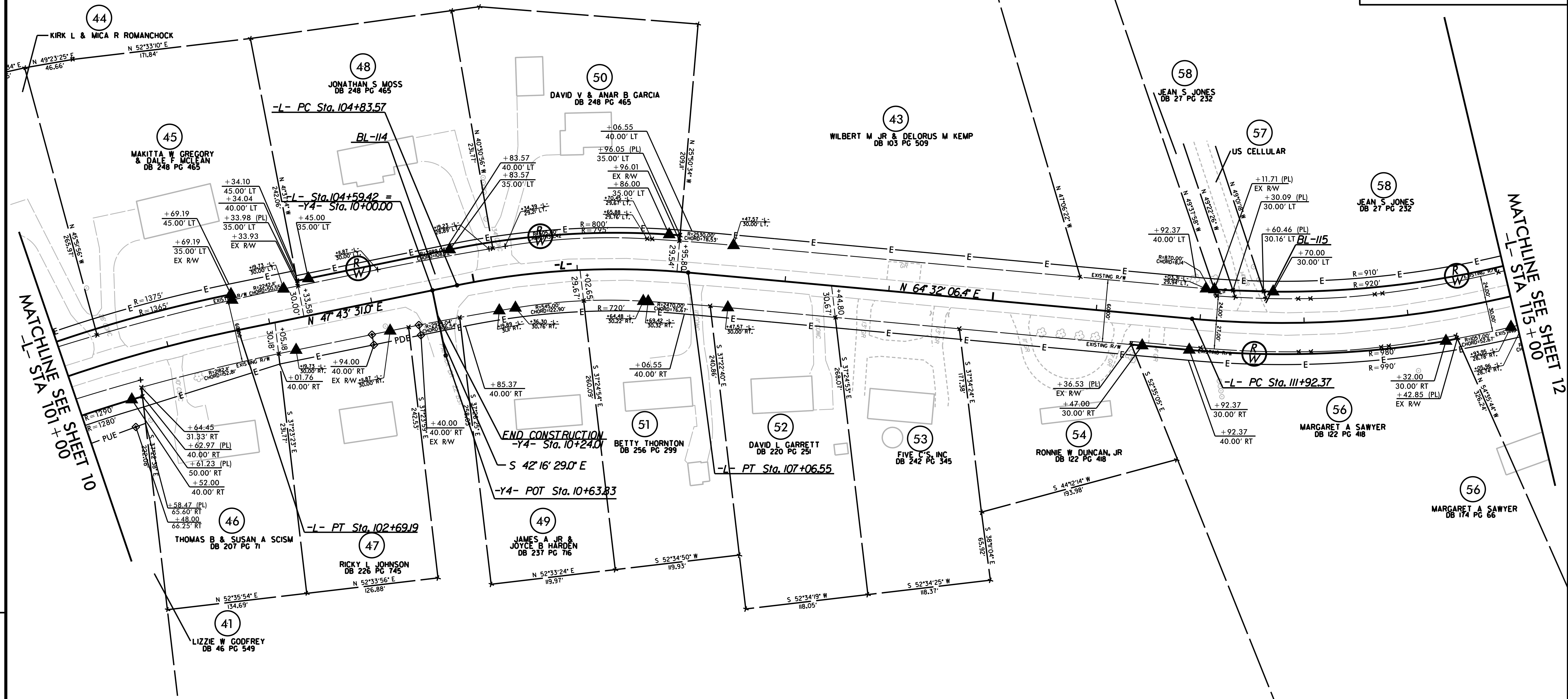
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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

-L-	
PI Sta 105+95.87	PI Sta 113+70.42
$\Delta = 16^{\circ} 48' 35.4" (RT)$	$\Delta = 2^{\circ} 13' 51.7" (LT)$
$D = 7' 32" 20.1'$	$D = 6' 0" 52.1'$
$L = 222.97'$	$L = 352.02'$
$T = 112.29'$	$T = 178.05'$
$R = 760.00'$	$R = 950.00'$
$SE = 0.06$	$SE = 0.06$

DocuSigned by:

MICHAEL W. ZMUDA, PLS *L-5205
SENIOR ASSOCIATE



NOTES:

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

6/2/09

REVISIONS

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 27-2018-12-20-01
 Files and More\NON JMT\RW-04\F5740_1s_rwl.dgn
 BVA181071

6/2/09

PROJECT REFERENCE NO. R-5740 SHEET NO. RW12

Location and Surveys

JOHNSON, MIRMIRAN & THOMPSON
1130 SITUS COURT, SUITE 200
RALEIGH, NC 27606

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-L-
PI Sta 121+70.65
Δ = 20° 40' 30.6" (LT)
D = 5' 06" 56.5"
L = 404.15'
T = 204.30'
R = 1120.00'
SE = 0.06

I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

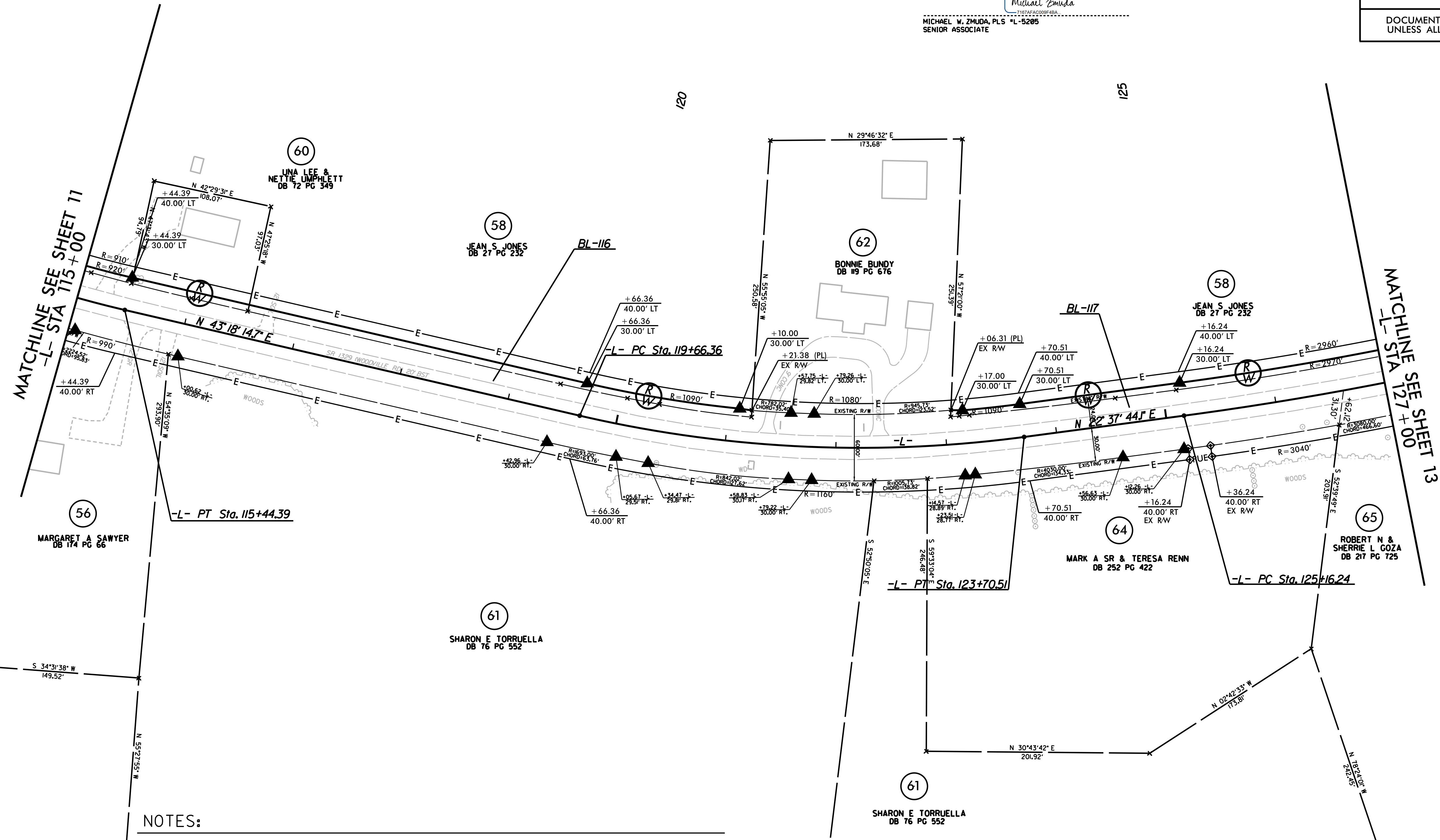
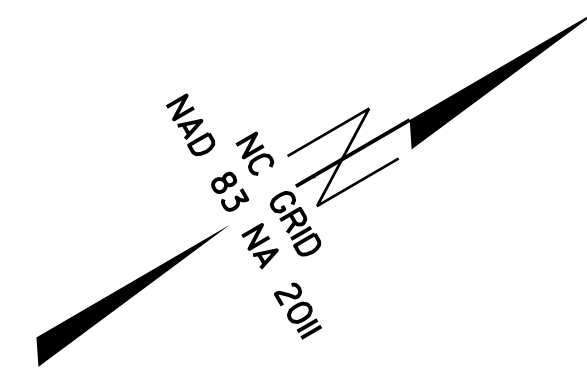
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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

DocuSigned by:
Michael Zmuda

MICHAEL W. ZMUDA, PLS 'L-5205
SENIOR ASSOCIATE



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

REVISIONS

C:\Users\mz000\OneDrive\Documents\Projects\5740_RW\Files and More\NON J.MT.RW-04\PS740_1s_r.w12.dgn
7/2/2020 12:20:08 PM
C:\Users\mz000\OneDrive\Documents\Projects\5740_RW\Files and More\NON J.MT.RW-04\PS740_1s_r.w12.dgn
7/2/2020 12:20:08 PM

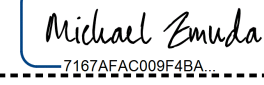
-L-		
PI Sta 127+49.48 Δ = 8° 53' 27.8" (LT) D = 154' 35.5" L = 465.54' T = 233.24' R = 3,000.00' SE = 0.04	PI Sta 131+01.44 Δ = 9° 07' 19.1" (RT) D = 3' 49' 11.0" L = 238.81' T = 119.66' R = 1,500.00' SE = 0.06	PI Sta 137+36.30 Δ = 1° 39' 49.5" (RT) D = 0' 34' 22.6" L = 290.38' T = 145.20' R = 10,000.00' SE = EXIST

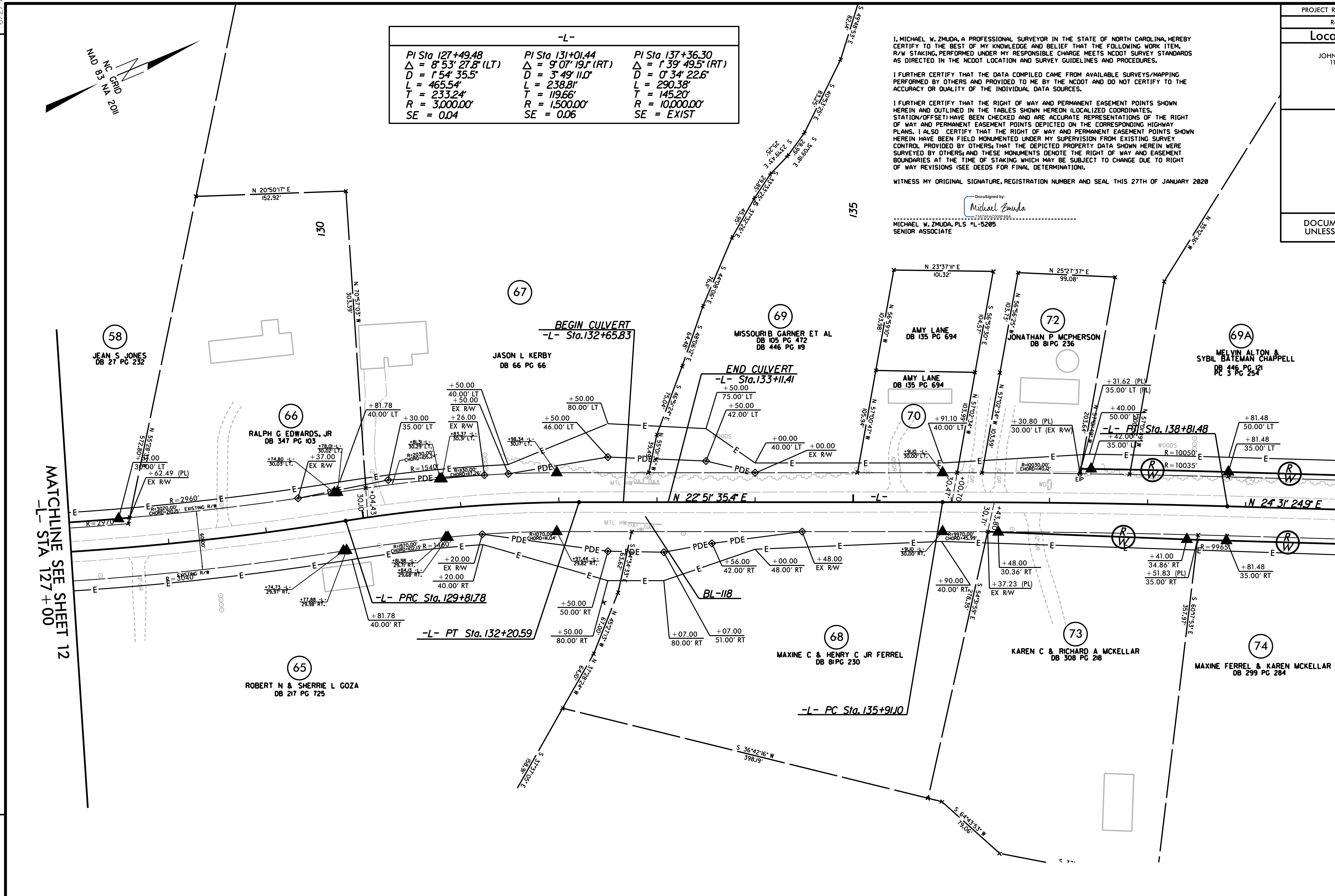
I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

I FURTHER CERTIFY THAT THE DATA COMPILED CAME FROM AVAILABLE SURVEYS/MAPPING PERFORMED BY OTHERS AND PROVIDED TO ME BY THE NCDOT AND DO NOT CERTIFY TO THE ACCURACY OR QUALITY OF THE INDIVIDUAL DATA SOURCES.

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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

Documented by:

MICHAEL W. ZMUDA, PLS "L-5205"
SENIOR ASSOCIATE



MATCHLINE SEE SHEET 12
-L- STA 127+00

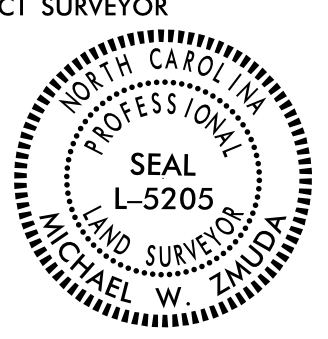
MATCHLINE SEE SHEET 14
-L- STA 140+00

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.

6/2/2019
C:\Users\mz000\OneDrive\Documents\5740_RW_Files and More\NOND\MTY\RW-04\PS740_1s_r_w_13.dgn
BVA131071

6/2/09

PROJECT REFERENCE NO. R-5740	SHEET NO. RW14
Location and Surveys	
JOHNSON, MIRMIRAN & THOMPSON 1130 SITUS COURT, SUITE 200 RALEIGH, NC 27606	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	


I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

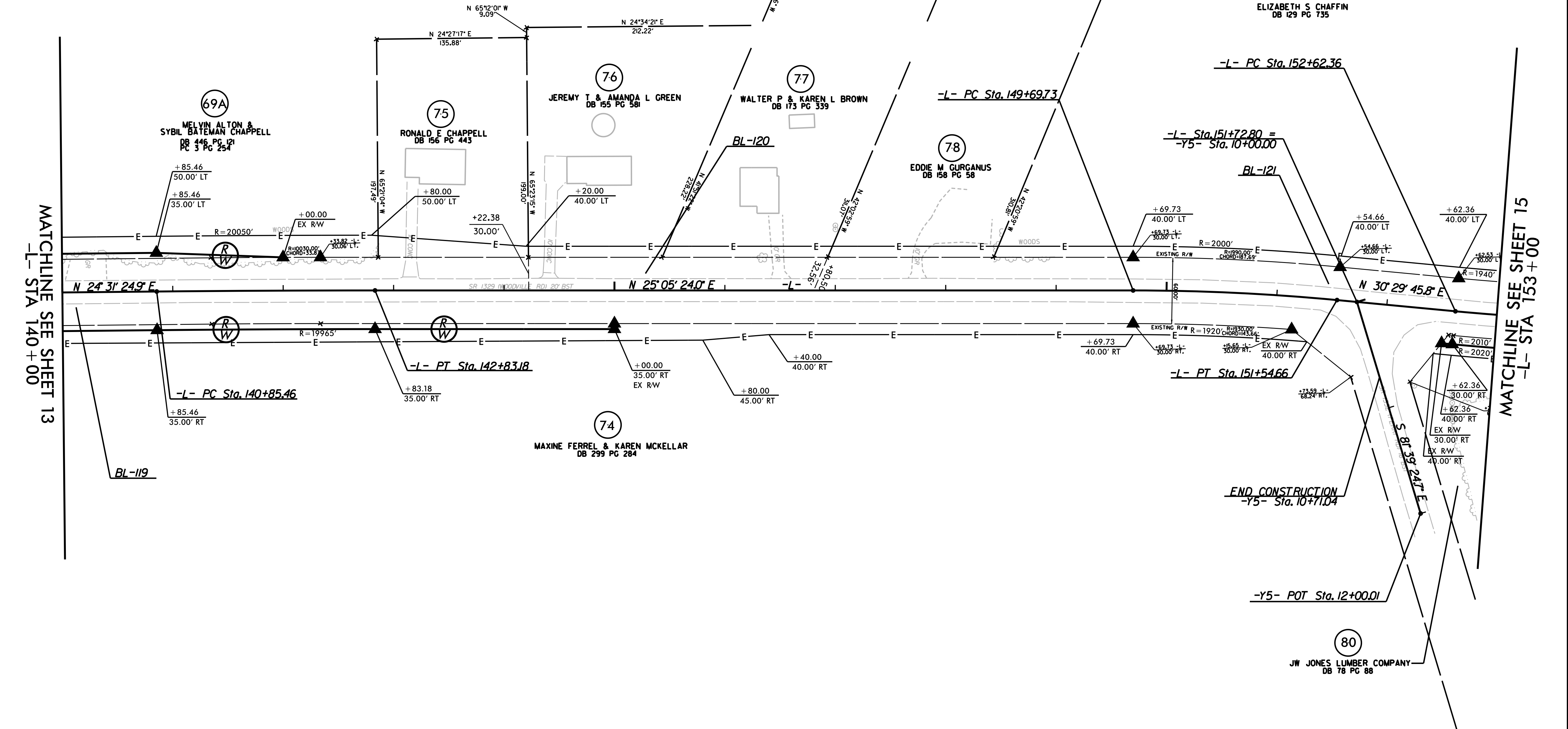
I FURTHER CERTIFY THAT THE DATA COMPILED CAME FROM AVAILABLE SURVEYS/MAPPING PERFORMED BY OTHERS AND PROVIDED TO ME BY THE NCDOT AND DO NOT CERTIFY TO THE ACCURACY OR QUALITY OF THE INDIVIDUAL DATA SOURCES.

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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

-L-	
PI Sta 141+84.32	PI Sta 150+62.26
$\Delta = 0' 33' 59.1''$ (RT)	$\Delta = 5' 24' 21.8''$ (RT)
$D = 0' 17' 11.3''$	$D = 2' 55' 23.7''$
$L = 197.72'$	$L = 184.93'$
$T = 98.86'$	$T = 92.54'$
$R = 20,000.00'$	$R = 1,960.00'$
$SE = EXIST$	$SE = 0.06$

DocuSigned by:

MICHAEL W. ZMUDA, PLS *L-5205
SENIOR ASSOCIATE



REVISIONS

MATCHLINE SEE SHEET 13
-L- STA 140+00

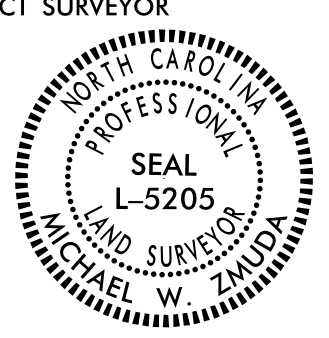
MATCHLINE SEE SHEET 15
-L- STA 153+00

NOTES:

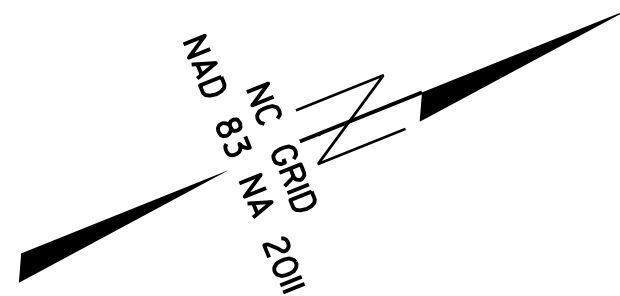
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

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 11/18/2018 12:20:08
 RVA181071

6/2/09

PROJECT REFERENCE NO. R-5740	SHEET NO. RW15
Location and Surveys	
JOHNSON, MIRMIRAN & THOMPSON 1130 SITUS COURT, SUITE 200 RALEIGH, NC 27606	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L-		
PI Sta 153+61.43	PI Sta 156+89.45	PI Sta 162+13.10
$\Delta = 5^{\circ} 43' 44.7" (LT)$	$\Delta = 0^{\circ} 39' 07.7" (LT)$	$\Delta = 0^{\circ} 44' 11.7" (LT)$
$D = 2^{\circ} 53' 37.4"$	$D = 0^{\circ} 17' 11.3"$	$D = 0^{\circ} 22' 55.7"$
$L = 197.98'$	$L = 227.64'$	$L = 192.84'$
$T = 99.07'$	$T = 113.82'$	$T = 96.42'$
$R = 1,980.00'$	$R = 20,000.00'$	$R = 15,000.00'$
$SE = 0.06$	$SE = EXIST$	$SE = EXIST$



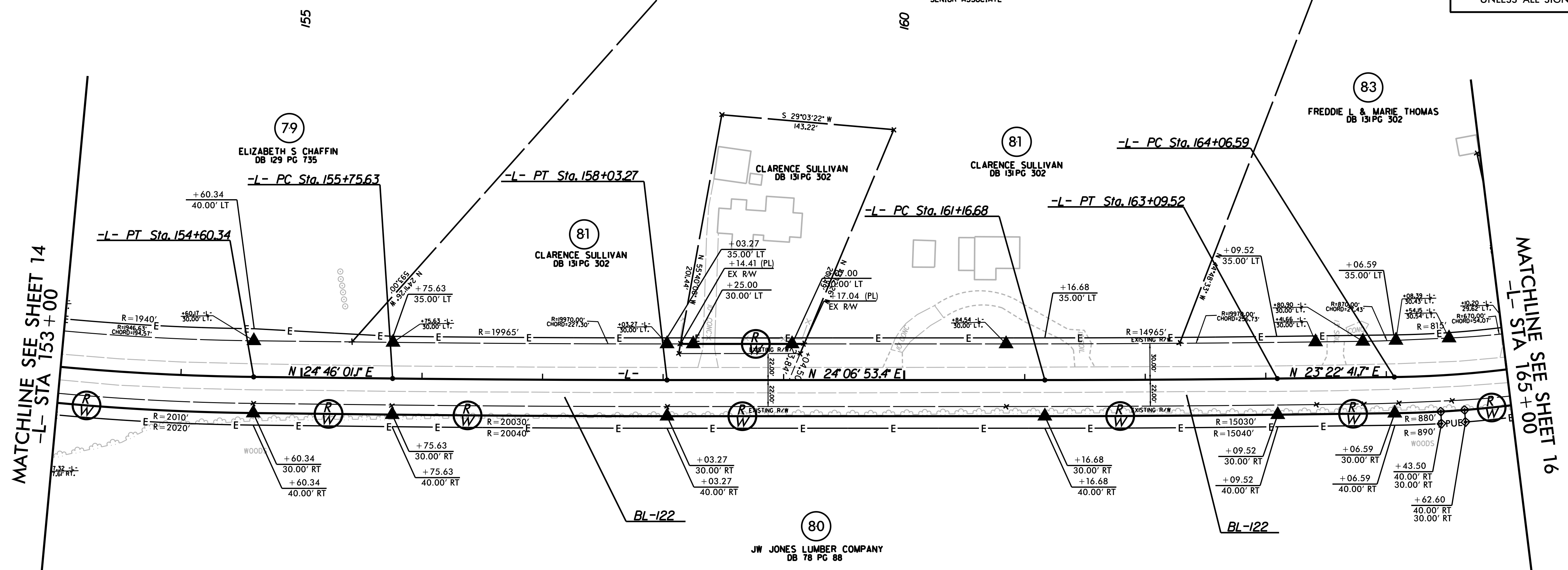
I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

DocuSigned by:
Michael Zmuda
7717FAE5C202F49A
MICHAEL W. ZMUDA, PLS *L-5205
SENIOR ASSOCIATE



REVISIONS

MATCHLINE SEE SHEET 14
-L- STA 153+00

MATCHLINE SEE SHEET 16
-L- STA 165+00

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.

27-Jan-2020 08:40
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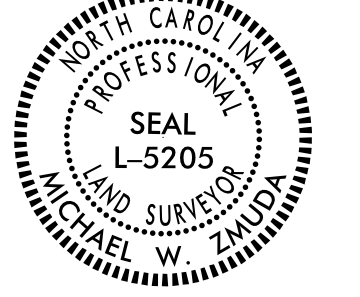
6/2/09

PROJECT REFERENCE NO. R-5740 SHEET NO. RW16

Location and Surveys

JOHNSON, MIRMIRAN & THOMPSON
1130 SITUS COURT, SUITE 200
RALEIGH, NC 27606

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

-L-			
PI Sta 165+40.68 Δ = 17° 55' 47.7" (LT) D = 6' 44" 26.4" L = 266.00' T = 134.09' R = 850.00' SE = EXIST	PI Sta 170+34.14 Δ = 5° 55' 47.6" (LT) D = 3' 49" 11.0" L = 155.24' T = 77.69' R = 1,500.00' SE = 0.06	PI Sta 172+22.01 Δ = 22° 40' 59.0" (LT) D = 10' 25" 02.7" L = 217.74' T = 110.32' R = 550.00' SE = 0.06	PI Sta 175+36.10 Δ = 0° 34' 20.5" (LT) D = 0' 34" 22.6" L = 158.07' T = 79.04' R = 10,000.00' SE = EXIST

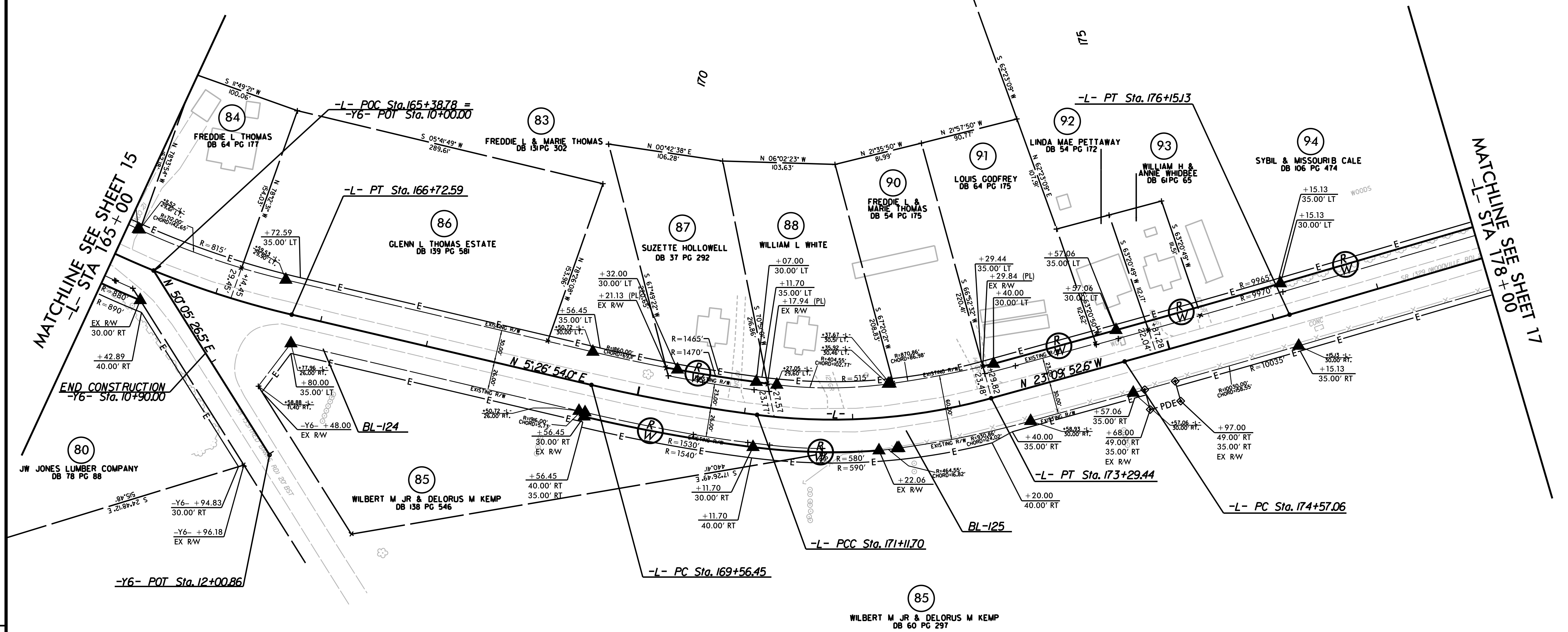
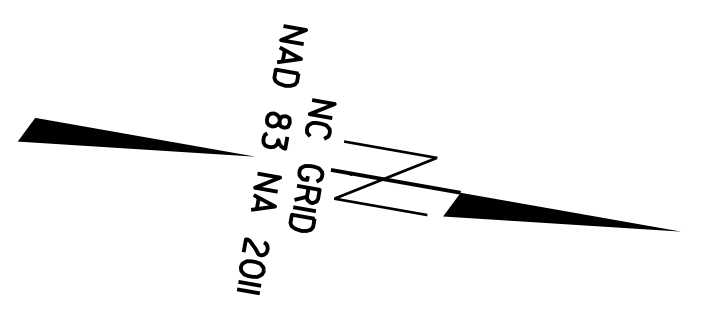
I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

DocuSigned by:
Michael W. Zmuda
7107AFAC200F4BA
MICHAEL W. ZMUDA, PLS *L-5205
SENIOR ASSOCIATE



NOTES:

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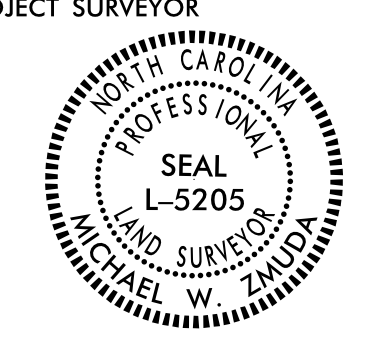
REVISIONS

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BVA131071

Location and Surveys

JOHNSON, MIRMIRAN & THOMPSON
1130 SITUS COURT, SUITE 200
RALEIGH, NC 27606

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

-L-	
PI Sta 182+90.09	PI Sta 189+95.48
Δ = 0° 14' 20.4" (RT)	Δ = 0° 32' 13.2" (RT)
D = 0' 17" 11.3"	D = 0' 17" 11.3"
L = 83.42'	L = 187.45'
T = 41.71'	T = 93.73'
R = 20,000.00'	R = 20,000.00'
SE = EXIST	SE = EXIST

I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

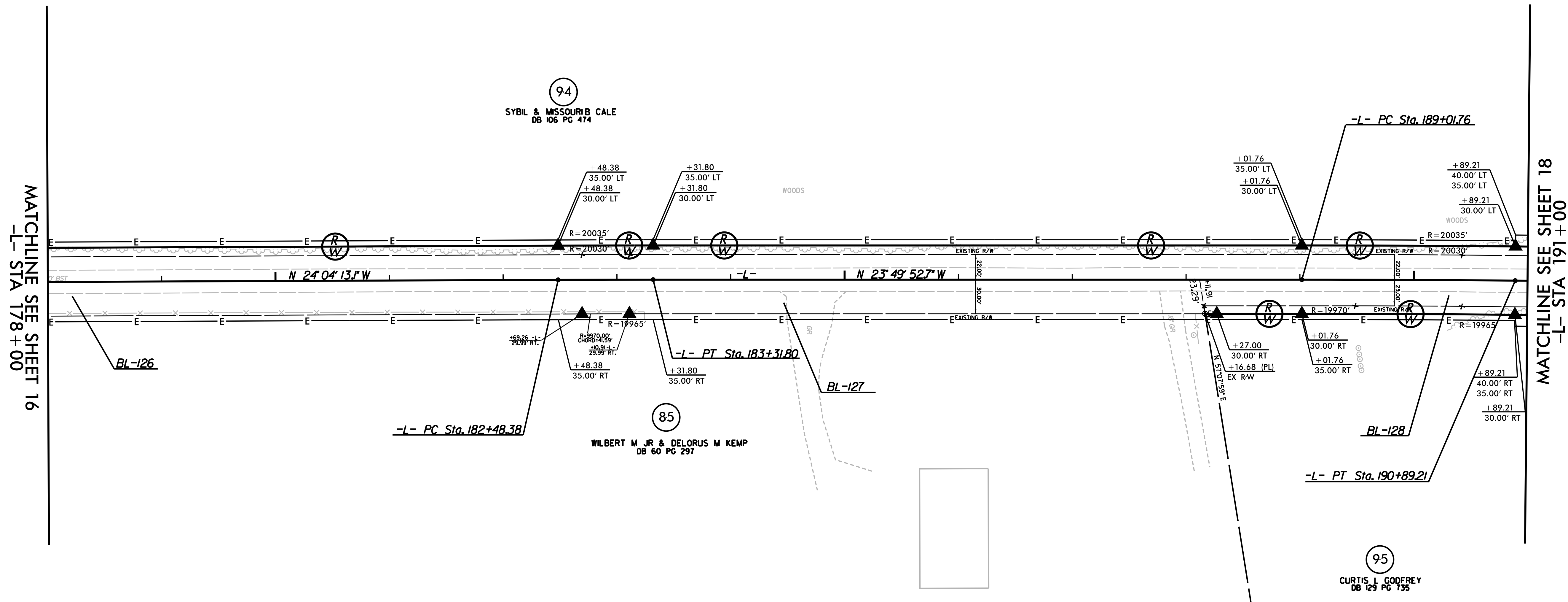
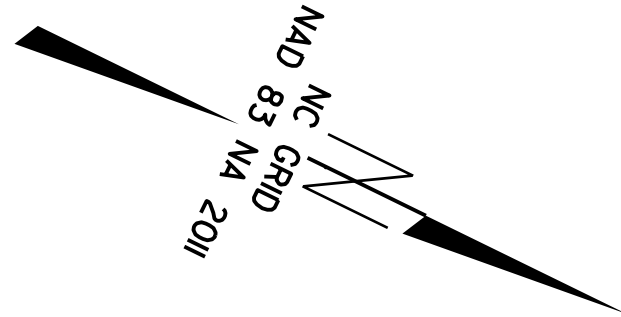
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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

DocuSigned by:
Michael W. Zmuda
7107AFAC200F4BA
MICHAEL W. ZMUDA, PLS *L-5205
SENIOR ASSOCIATE

6/2/19



NOTES:

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REVISIONS

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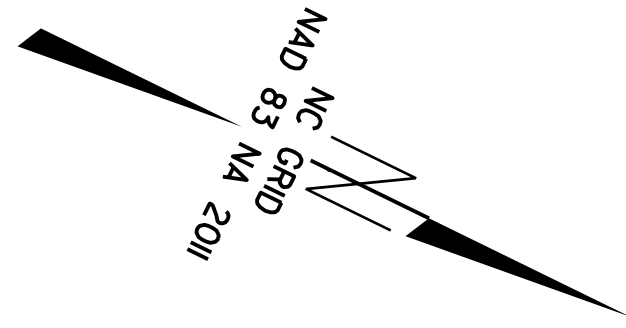
6/2/19

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BVA181071

REVISIONS

MATCHLINE SEE SHEET 17
-L- STA 191+00

MATCHLINE SEE SHEET 19
-L- STA 204+00



-L-
PI Sta 195+77.30
Δ = 0° 33' 01.1" (LT)
D = 0° 17' 11.3"
L = 192.10'
T = 96.05'
R = 20,000.00'
SE = EXIST

I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

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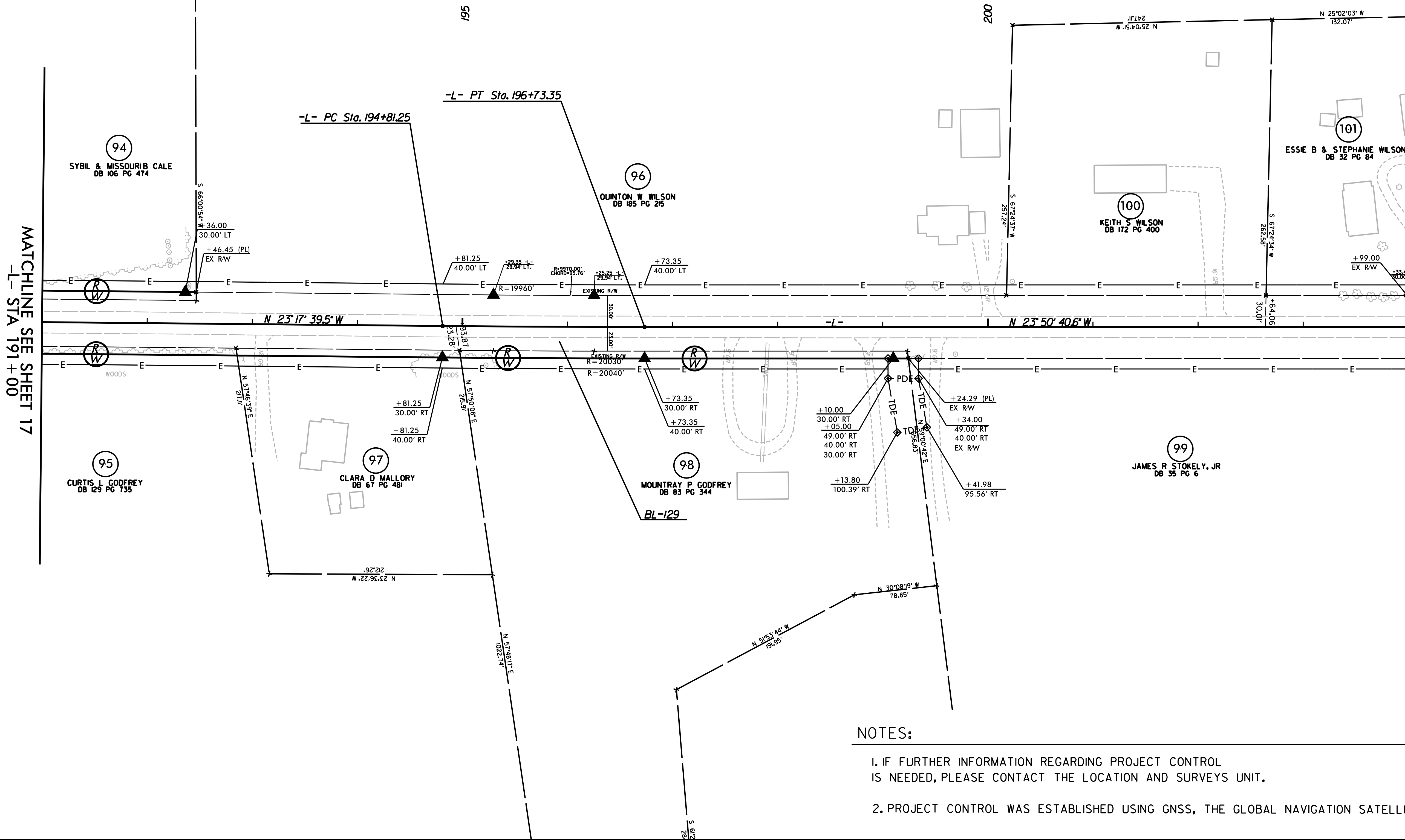
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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 27TH OF JANUARY 2020

DocuSigned by:
Michael W. Zmuda

MICHAEL W. ZMUDA, PLS #L-5205
SENIOR ASSOCIATE

PROJECT REFERENCE NO.	SHEET NO.
R-5740	RW18
Location and Surveys	
JOHNSON, MIRMIRAN & THOMPSON 1130 SITUS COURT, SUITE 200 RALEIGH, NC 27606	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



NOTES:

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

Location and Surveys

JOHNSON, MIRMIRAN & THOMPSON
1130 SITUS COURT, SUITE 200
RALEIGH, NC 27606

PROJECT SURVEYOR

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

-L-

PI Sta 209+64.24
 $\Delta = 0'05'14.0''$ (RT)
 $D = 0'06'52.5''$
 $L = 76.12'$
 $T = 38.06'$
 $R = 50,000.00'$
 $SE = EXIST$

I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, R/W STAKING, PERFORMED UNDER MY RESPONSIBLE CHARGE MEETS NCDOT SURVEY STANDARDS AS DIRECTED IN THE NCDOT LOCATION AND SURVEY GUIDELINES AND PROCEDURES.

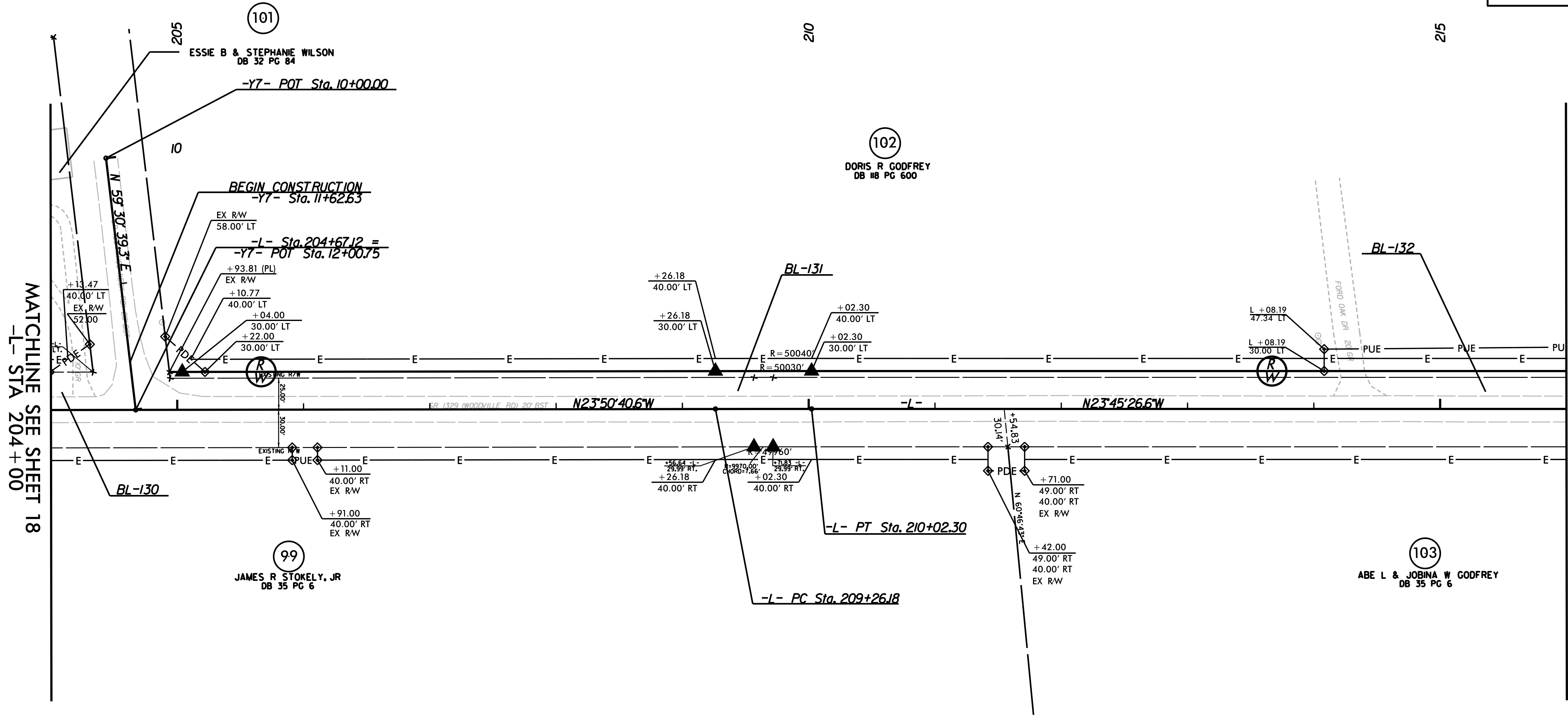
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WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 5TH OF FEBRUARY 2020

DocuSigned by:

 MICHAEL W. ZMUDA, PLS *L-5205
 SENIOR ASSOCIATE




REVISIONS

05-FFB-2020-07-00
 05-2018-12-2019
 Files and More\NON J\MT\RW-04\R5740_1s_r.w\19.dgn
 Files\191071

- 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.

6/2/19

PROJECT REFERENCE NO. R-5740	SHEET NO. RW20
Location and Surveys	
JOHNSON, MIRMIRAN & THOMPSON 1130 SITUS COURT, SUITE 200 RALEIGH, NC 27606	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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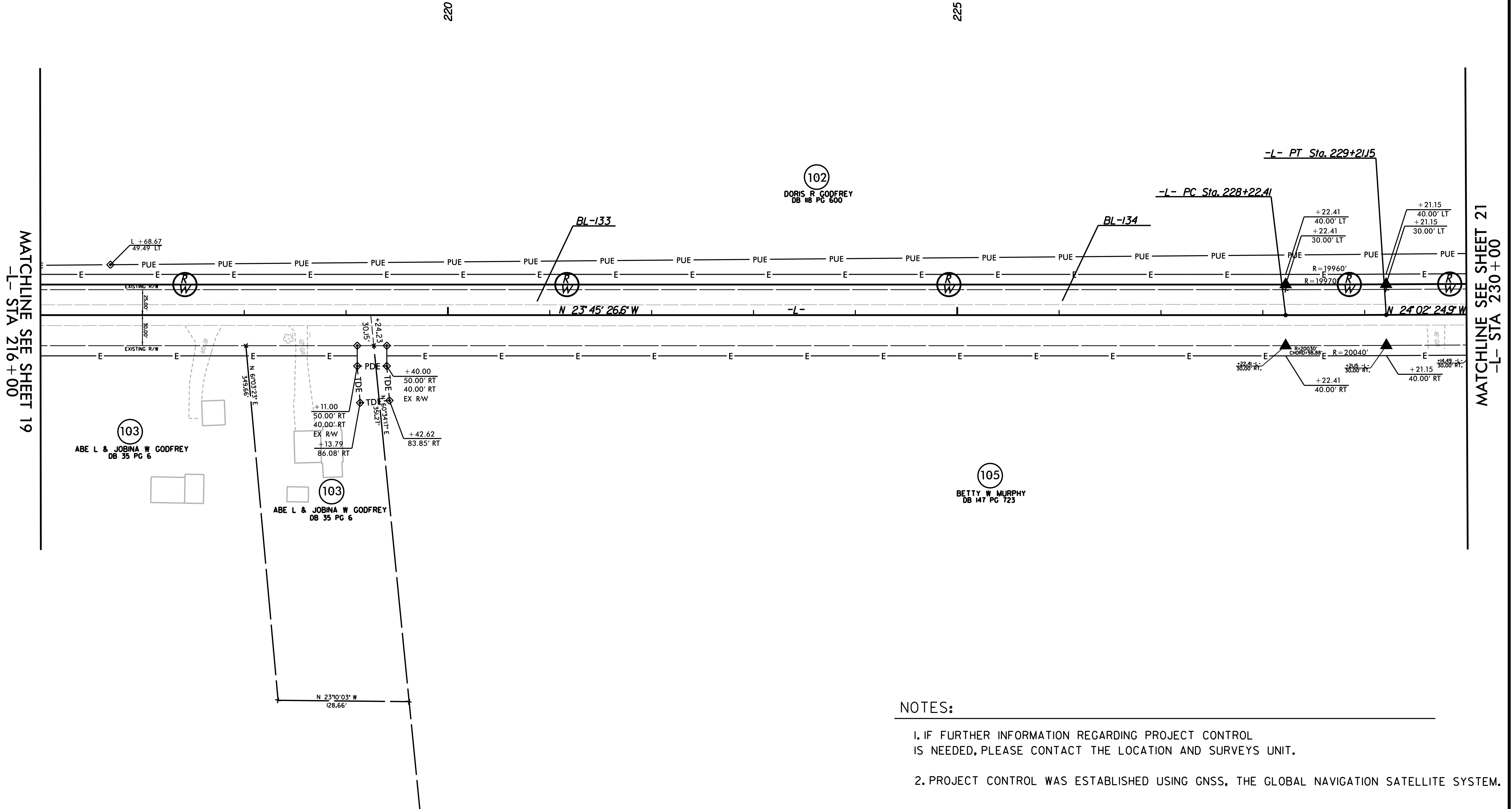
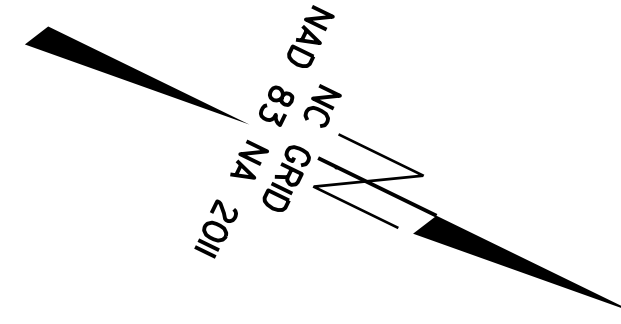
I FURTHER CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT POINTS SHOWN HEREIN AND OUTLINED IN THE TABLES SHOWN HEREON (LOCALIZED COORDINATES, STATION/OFFSET) HAVE BEEN CHECKED AND ARE ACCURATE REPRESENTATIONS OF THE RIGHT OF WAY AND PERMANENT EASEMENT POINTS DEPICTED ON THE CORRESPONDING HIGHWAY 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 27TH OF JANUARY 2020

DocuSigned by:
Michael Zmuda
7167AFAC000F4BA...

MICHAEL W. ZMUDA, PLS "L-5205"
SENIOR ASSOCIATE

-L-
PI Sta 228+71.78 $\Delta = 0'16'58.3" (LT)$ $D = 0'17'11.3"$ $L = 98.74'$ $T = 49.37'$ $R = 20,000.00'$ SE = EXIST



REVISIONS


MATCHLINE SEE SHEET 19
-L- STA 216+00

MATCHLINE SEE SHEET 21
-L- STA 230+00

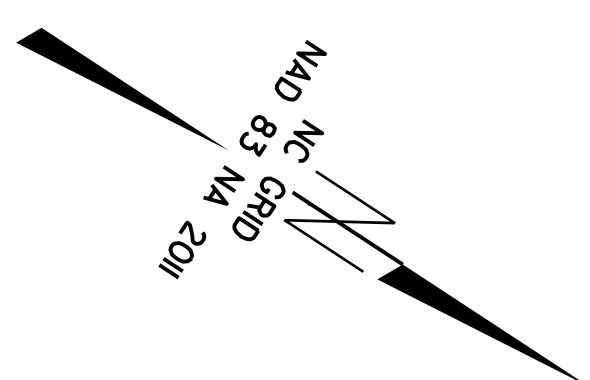
NOTES:

- 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.

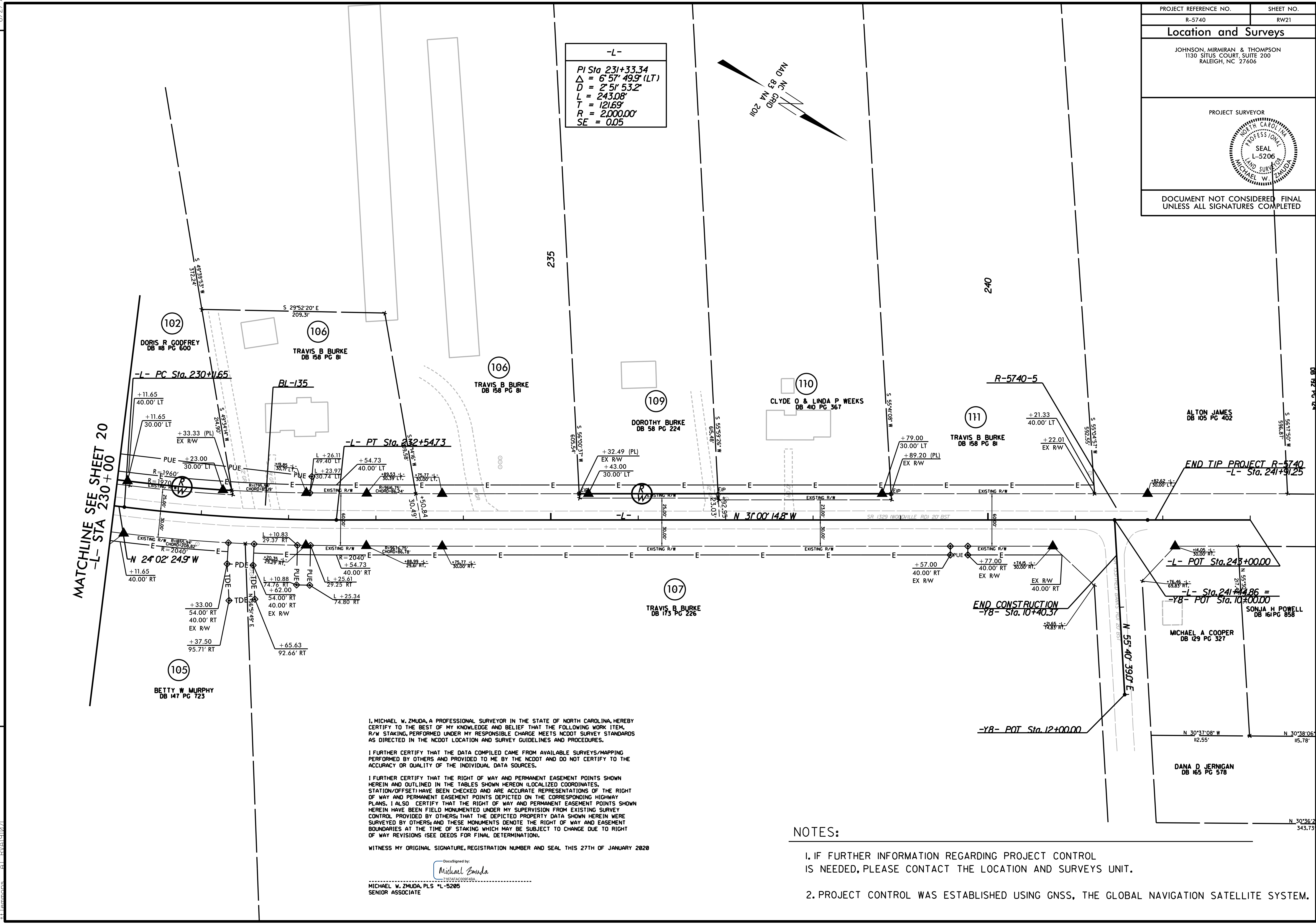
27-Jan-2020 08:40
 C:\Users\jz2018\OneDrive\Documents\5740 RW Files and More\NON JMT\RW-04\R5740_Is_rw20.dgn
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 File Name: RVA191071

PROJECT REFERENCE NO. R-5740	SHEET NO. RW21
Location and Surveys	
JOHNSON, MIRMIRAN & THOMPSON 1130 SITUS COURT, SUITE 200 RALEIGH, NC 27606	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L-
PI Sta 231+33.34
 $\Delta = 6^{\circ}57'49.9"$ (LT)
 $D = 2^{\circ}51'53.2"$
 $L = 243.08'$
 $T = 121.69'$
 $R = 2,000.00'$
 $SE = 0.05$



MATCHLINE SEE SHEET 20
-L- STA 230+00

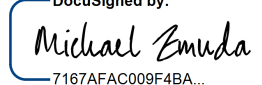


I, MICHAEL W. ZMUDA, A PROFESSIONAL SURVEYOR IN THE STATE OF NORTH CAROLINA, HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE FOLLOWING WORK ITEM, STATION/OFFSET(S) HAVE BEEN CHECKED AND ARE ACCURATE REPRESENTATIONS OF THE RIGHT OF WAY AND PERMANENT EASEMENT POINTS DEPICTED ON THE CORRESPONDING 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).

I FURTHER CERTIFY THAT THE DATA COMPILED CAME FROM AVAILABLE SURVEYS/MAPPING PERFORMED BY OTHERS AND PROVIDED TO ME BY THE 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(S) 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 27TH OF JANUARY 2020

DocuSigned by:

MICHAEL W. ZMUDA, PLS "L-5206"
SENIOR ASSOCIATE

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.

REVISIONS

6/2/19

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