

Detailed Information on creating these sheets can be found at: [Creating NCDOT Right of Way Plans](#)

Right of Way Sheets (Series C,D,E,RW) Revisions

- July 2017 Original Release of Series C, D, E, RW
- Oct 2017
 - Removed "Drawing Not to Scale" on ALL sheets
 - Changed ROW MARKER CONCRETE OR GRANITE-E" to "ROW MARKER REBAR AND CAP" on Sheet 1E-1
 - Added Parcel Numbers to the RW Series
 - Added Grayscale Planometrics to the RW Series
 - Table Change on Sheet 1C-5 to reflect new ma program
- Feb 2018
 - Sheet Numbering has changed. All sheets are now considered to be RW and will follow the Design Plans as a set.
 - Sheet Numbering is as follows:
 - RW01 – Title Sheet
 - RW02C-1 ...RW02C-# - Survey Control Sheets
 - RW02D-1 ...RW02D-# - Proposed Alignment Control Sheets
 - RW03E-1 ...RW03E-# - Right of Way Control Sheets
 - RW04...RW-# - Right of Way Sheets
 - Added gray scale levels to the RW02C-1 sheet
 - Added new gray scale levels to RW sheets
 - Border for sheets RW02C and RW02D revise to remove Seal Box
 - Border and Title for RW01 changed
 - Datum Description moved to RW01
- July 2018
 - Switched Title Sheet to reflect "2018 STANDARD SPECIFICATIONS"
 - Added Space for Firm Names on ALL Sheets
 - Added Signature Date to Title Sheet
- Feb 2019
 - Added the statement "Document Not Considered Final Unless All Signatures Completed" to the sheets to be signed.
- April 2020
 - Added Statement to include date ranges for R/W staking to E Series and RW Series
 - Changed Statement on E Series and RW Series to more closely match NCBELS Example
 - Added Statement to the C Series to more closely match NCBELS Example (C Series should now be signed and sealed)
 - Added Compilation Statement to the D Series (D Series should now be signed and sealed)
 - Added Example of Addendum (RW07A) needed for R/W Staking when a different Surveyor is used.

09/08/99

EXAMPLE RIGHT-OF-WAY PLANS
APRIL 2020

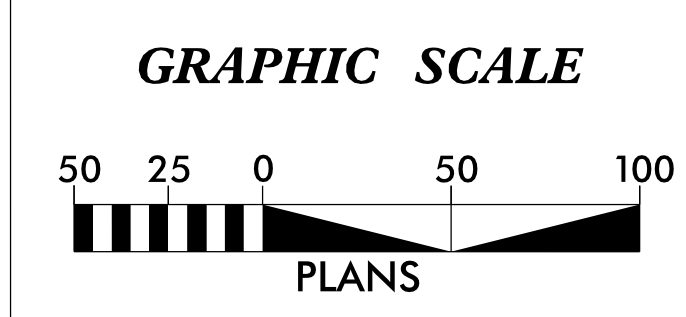
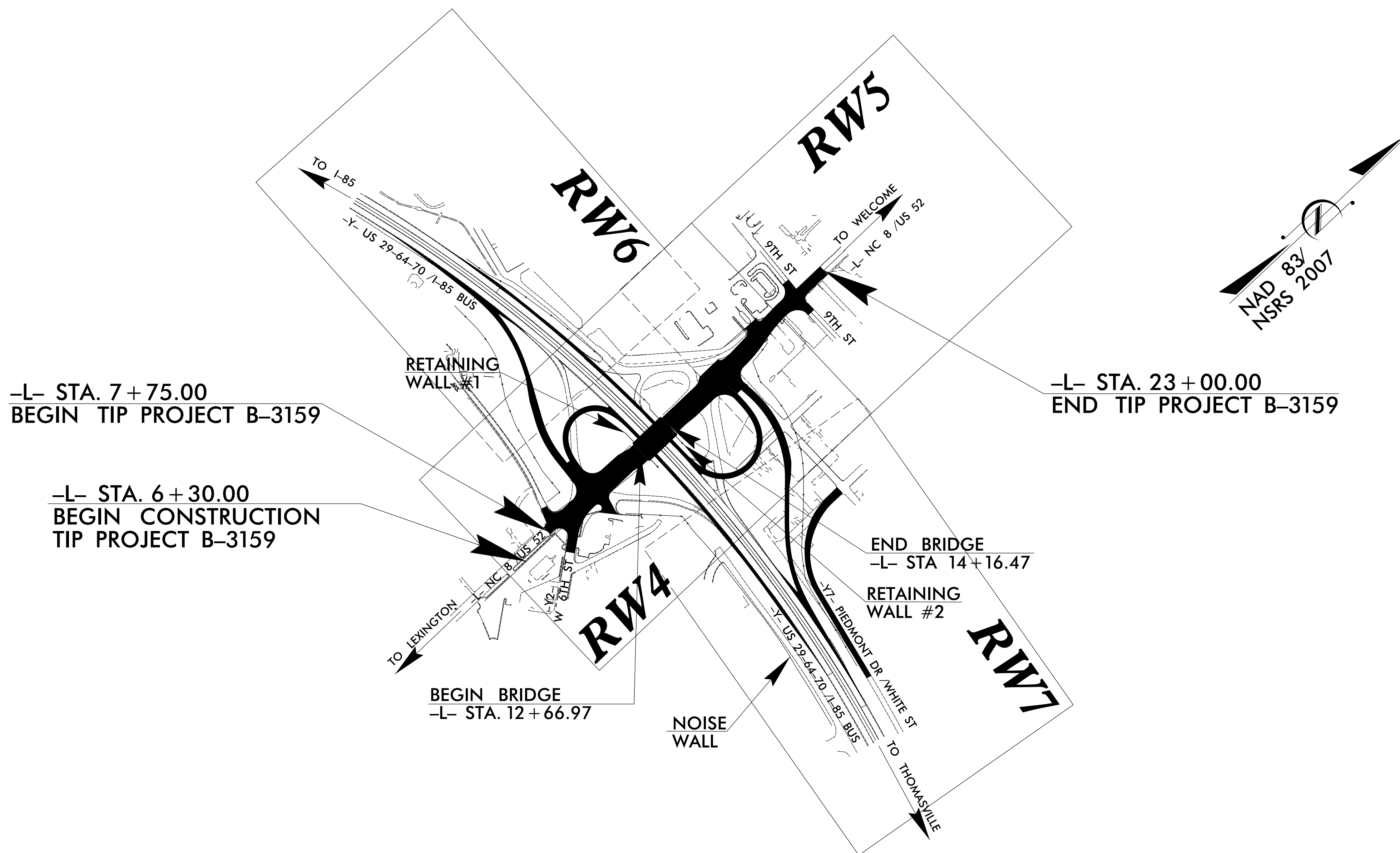
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

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

DAVIDSON COUNTY

TIP PROJECT: B-3159



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B3159-1" WITH NAD 83/NSRS XXXX STATE PLANE GRID COORDINATES OF
 NORTHING: (ft) EASTING: (ft)
 ELEVATION: 788.31(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998914
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B3159-1" TO -L- STATION 7+75 IS
 S 06-55'25.3" E 54.10(ft)
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

Prepared In the Office of:

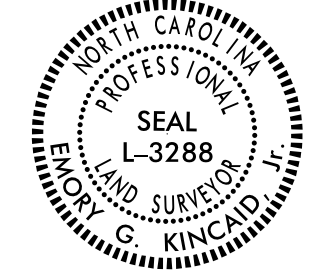
AAA Consultants
 903 Main Street
 MIDTOWN, NC 27001

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: _____ LETTING DATE: _____

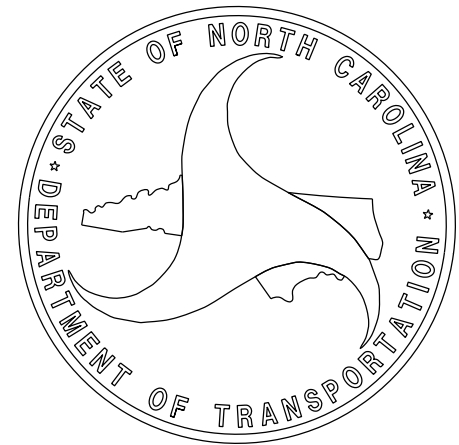
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROFESSIONAL LAND
SURVEYOR



DocuSigned by:
E.G. Kincaid
 SIGNATURE

DATE: _____

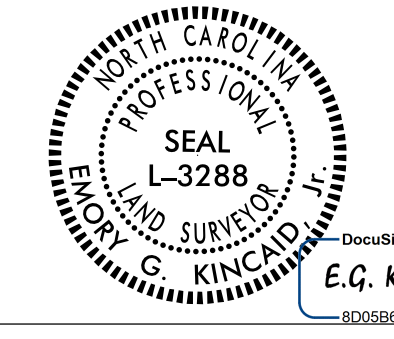


\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DCN\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

EXAMPLE RIGHT-OF-WAY PLANS
APRIL 2020

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. B-3159	SHEET NO. RW02C-1
Location and Surveys	
AAA CONSULTANTS 903 MAIN STREET MIDTOWN, NC 27001	
PROJECT SURVEYOR  E.G. Kincaid Professional Land Surveyor L-3288	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Emory Kincaid, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

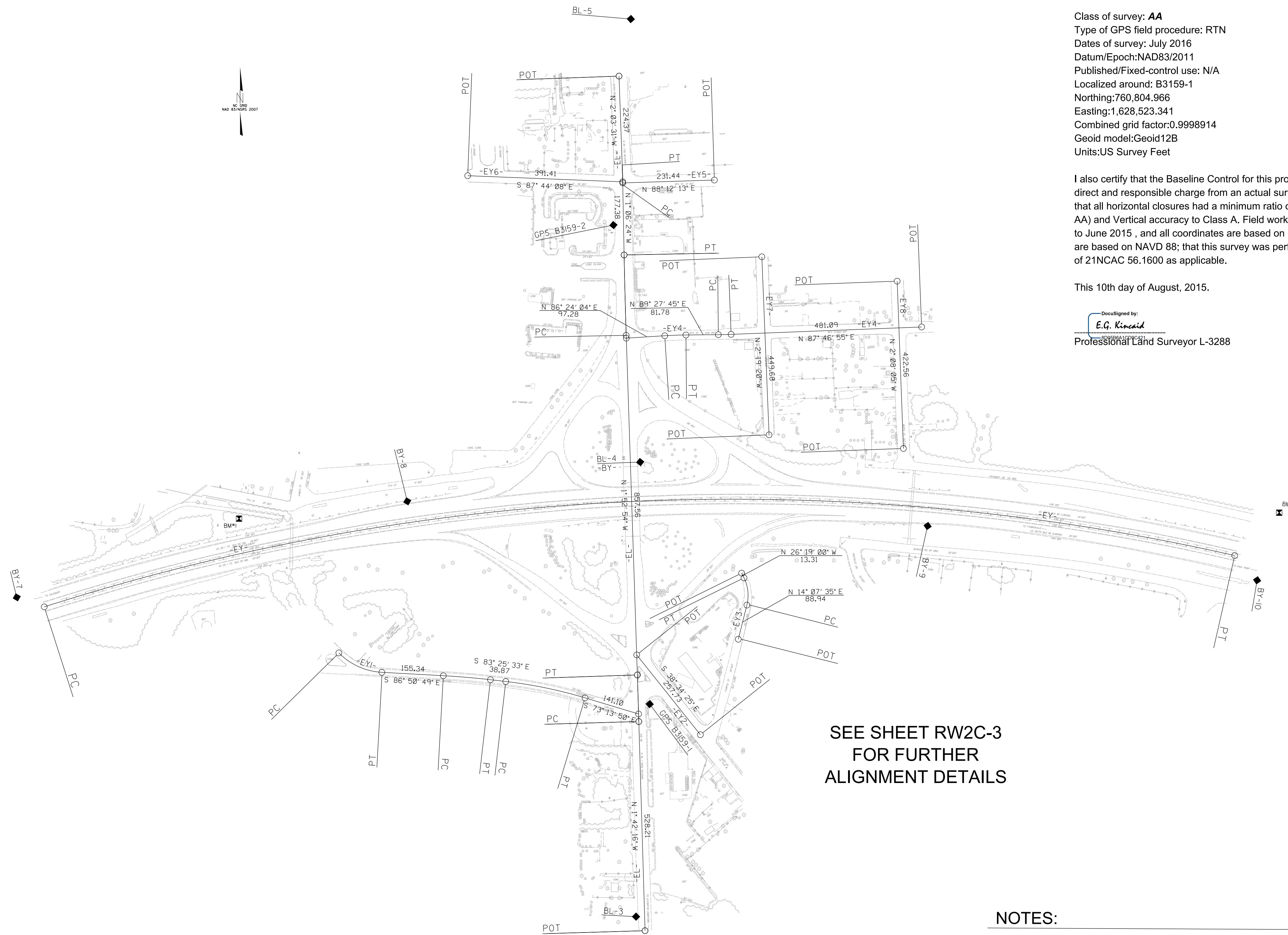
Class of survey: **AA**
Type of GPS field procedure: RTN
Dates of survey: July 2016
Datum/Epoch: NAD83/2011
Published/Fixed-control use: N/A
Localized around: B3159-1
Northing: 760,804.966
Easting: 1,628,523.341
Combined grid factor: 0.9998914
Geoid model: Geoid12B
Units: US Survey Feet

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from May 2015 to June 2015, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of August, 2015.

DocuSigned by:

Professional Land Surveyor L-3288



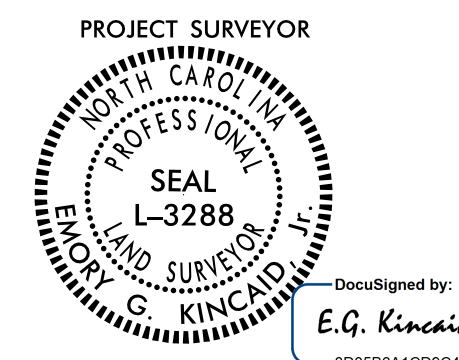
SEE SHEET RW2C-3
FOR FURTHER
ALIGNMENT DETAILS

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.

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
B-3159	RW02C-2
Location and Surveys	
AAA CONSULTANTS 903 MAIN STREET MIDTOWN, NC 27001	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EXAMPLE RIGHT-OF-WAY PLANS
APRIL 2020

I, Emory Kincaid, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
 Type of GPS field procedure: RTN
 Dates of survey: July 2015
 Datum/Epoch: NAD83/2011
 Published/Fixed-control use: N/A
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This 10th day of August, 2015.

DocuSigned by:

 Professional Land Surveyor L-3288

BL	POINT	DESC.	NORTH	EAST	ELEVATION
3		BL-3	760268.4837	1628488.8484	796.91
1		B3159-1	760804.9660	1628523.3410	788.31
4		BL-4	761415.7978	1628499.4195	786.98
2		B3159-2	762013.9240	1628431.8280	784.66
5		BL-5	762533.8835	1628475.7350	799.93
BY	POINT	DESC.	NORTH	EAST	ELEVATION
7		BY-7	761074.4645	1626925.9881	755.51
8		BY-8	761316.7296	1627911.5384	765.96
E4		BY-4	761415.7978	1628499.4195	786.98
9		BY-9	761254.4939	1629224.6783	777.41
10		BY-10	761117.4671	1630056.2340	787.03

.....
 BM1 ELEVATION - 753.48
 N 761273 E 1627487
 R/R SPIKE SET IN ROOT OFFORKED WILLOWOAK BETWEEN 7TH ST. AND US 29/70 S.BOUND

.....
 BM2 ELEVATION - 781.59
 N 761288 E 1630112
 R/R SPIKE SET IN ROOT OF 36*3 FORKEDOAK ON N. SIDE OF PIEDMONT DR. (SR1890) SOUTH OF SECU

.....
 BM3 ELEVATION - 796.91
 N 760268 E 1628489
 BL-3

.....
 BM4 ELEVATION - 799.93
 N 762534 E 1628476
 BL-5

.....
 BM5 ELEVATION - 755.51
 N 761075 E 1626926
 BY-7

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

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EXAMPLE RIGHT-OF-WAY PLANS
APRIL 2020

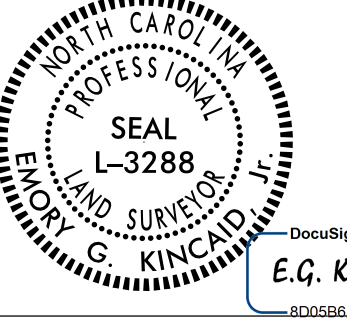
PROJECT REFERENCE NO. SHEET NO.

B-3159 RW02C-3

Location and Surveys

AAA CONSULTANTS
903 MAIN STREET
MIDTOWN, NC 27001

PROJECT SURVEYOR



DocuSigned by:
E.G. Kincaid
800686A1C90C421

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Emory Kincaid, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
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Dates of survey: July 2015
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Easting: 1,628,523.341
Combined grid factor: 0.9998914
Geoid model: GEOID12B
Units: US Survey Feet

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This 10th day of August, 2015.

DocuSigned by:
E.G. Kincaid
800686A1C90C421
Professional Land Surveyor L-3288

EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	760233.044	1628511.613							
LINE			N 01°42'16.2" W	528.21					
PC	760761.019	1628495.901							
CURVE			N 01°47'35.2" W	117.55	00°10'38.1"(L T)	00°09'02.8"	117.55	58.77	38000.00
PT	760878.510	1628492.223							
LINE			N 01°52'54.2" W	857.56					
PC	761735.606	1628464.064							
CURVE			N 01°29'39.1" W	202.91	00°46'30.2"(RT)	00°22'55.1"	202.91	101.46	15000.00
PT	761938.443	1628458.773							
LINE			N 01°06'24.0" W	177.38					
PC	762115.785	1628455.347							
CURVE			N 01°34'57.5" W	49.84	00°57'06.9"(L T)	01°54'35.5"	49.84	24.92	3000.00
PT	762165.608	1628453.971							
LINE			N 02°03'30.9" W	224.37					
POT	762389.829	1628445.911							

EY									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	761050.304	1626995.448							
CURVE			N 87°31'54.0" E	3007.14	30°35'22.0"(RT)	01°00'18.7"	3043.15	1558.78	5700.00
PT	761050.304	1626995.448							

EY1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	760934.128	1627738.897							
CURVE			S 65°41'47.2" E	119.07	42°18'03.8"(L T)	34°43'29.0"	121.82	63.84	165.00
PT	760885.122	1627847.415							
LINE			S 86°50'49.0" E	155.34					
PC	760876.578	1628002.517							
CURVE			S 85°08'11.0" E	119.40	03°25'16.1"(RT)	02°51'53.2"	119.42	59.73	2000.00
PT	760866.455	1628121.490							
LINE			S 83°25'32.9" E	38.87					
PC	760862.005	1628160.101							
CURVE			S 78°19'41.4" E	204.36	10°11'42.9"(RT)	04°58'56.1"	204.63	102.59	1150.00
PT	760820.661	1628360.237							
LINE			S 73°13'50.0" E	141.10					
POT	760779.952	1628495.333							

EY2				
POINT	N	E	BEARING	DIST
POT	760929.095	1628490.561		
LINE			S 38°34'25.1" E	257.73
POT	760727.602	1628651.260		

EY3									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	760968.602	1628746.945							
LINE			N 14°07'35.4" E	88.94					
PC	761054.847	1628768.651							
CURVE			N 06°05'42.2" W	69.13	40°26'35.3"(L T)	57°17'44.8"	70.59	36.84	100.00
PT	761123.587	1628761.311							
LINE			N 26°18'59.9" W	13.31					
POT	761135.515	1628755.411							

EY4									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	761728.481	1628464.298							
LINE			N 86°24'04.4" E	97.28					
PC	761734.587	1628561.390							
CURVE			N 87°55'54.5" E	53.42	03°03'40.3"(RT)	05°43'46.5"	53.43	26.72	1000.00
PT	761736.515	1628614.776							
LINE			N 89°27'44.7" E	81.78					
PC	761737.282	1628696.556							
CURVE			N 88°37'19.7" E	32.26	01°40'50.0"(L T)	05°12'31.3"	32.26	16.13	1100.00
PT	761738.058	1628728.809							
LINE			N 87°46'54.7" E	481.09					
POT	761756.678	1629209.541							

EY5				
POINT	N	E	BEARING	DIST
POT	762120.233	1628455.258		
LINE			N 88°12'13.2" E	231.44
POT	762127.488	1628686.589		

EY6				
POINT	N	E	BEARING	DIST
POT	762138.459	1628064.092		
LINE			S 87°44'07.6" E	391.41
POT	762122.993	1628455.199		

EY7				
POINT	N	E	BEARING	DIST
POT	761484.504	1628824.594		
LINE			N 02°19'20.3" W	449.68
POT	761933.811	1628806.373		

EY8				
POINT	N	E	BEARING	DIST
POT	761450.090	1629163.664		
LINE			N 02°08'05.5" W	422.56
POT	761872.361	1629147.922		

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.

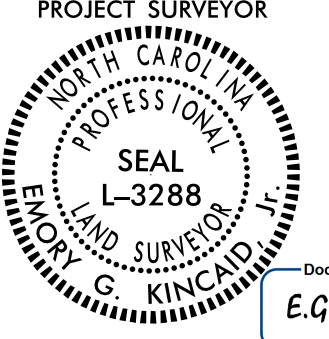
REVISIONS

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egkincaid

PROPOSED ALIGNMENT CONTROL SHEET

EXAMPLE RIGHT-OF-WAY PLANS
APRIL 2020

PROJECT REFERENCE NO. B-3159	SHEET NO. RW02D-1
Location and Surveys	
AAA CONSULTANTS 903 MAIN STREET MIDTOWN, NC 27001	
PROJECT SURVEYOR  E.G. Kincaid	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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

This 21st day of October, 2018.

DocuSigned by:

Professional Land Surveyor L-3288

L			
TYPE	STATION	NORTH	EAST
POT	4+00.00	760376.4606	1628542.1223
PC	18+00.00	761775.7122	1628496.3530
PRC	19+28.79	761902.6830	1628476.7060
PT	20+64.72	762036.7839	1628456.8735
PC	21+43.74	762115.7852	1628455.3473
PT	21+93.58	762165.6048	1628453.9708
POT	24+17.95	762389.8289	1628445.9112

Y			
TYPE	STATION	NORTH	EAST
PC	10+00.00	761050.3042	1626995.4477
PT	40+43.15	761179.8138	1629999.7980
POT	40+43.15	761179.8138	1629999.7980

RPA			
TYPE	STATION	NORTH	EAST
POT	10+00.00	761296.9217	1629569.5565
TS	10+75.00	761311.7073	1629496.0283
SC	12+59.00	761357.2998	1629317.9736
CS	13+88.67	761415.4017	1629202.3416
ST	15+72.67	761531.0553	1629059.4906
PC	16+84.67	761605.9786	1628976.2410
PT	20+63.28	761716.7644	1628626.1059
POT	21+91.53	761701.4219	1628498.7830

Y2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	760766.5197	1628627.8014
PC	10+70.07	760821.2796	1628584.0850
PT	12+07.25	760947.7978	1628537.4414
POT	12+36.06	760976.5975	1628536.4994

RPC			
TYPE	STATION	NORTH	EAST
POT	10+00.00	761135.4976	1627437.2108
TS	10+75.00	761148.8353	1627511.0153
SC	12+59.00	761172.0339	1627693.3446
CS	14+40.28	761148.2066	1627872.3227
ST	16+24.28	761078.1144	1628042.2322
PC	17+36.28	761030.0558	1628143.3972
PT	19+08.96	760987.7639	1628309.6990
POT	21+22.08	760976.1398	1628522.5069

Y5			
TYPE	STATION	NORTH	EAST
POT	10+00.00	762120.2325	1628455.2581
POT	12+31.44	762127.4875	1628686.5886

Y6			
TYPE	STATION	NORTH	EAST
POT	10+00.00	762132.2344	1628221.5081
POT	12+33.87	762122.9931	1628455.1994

Y7			
TYPE	STATION	NORTH	EAST
POT	10+00.00	761328.4367	1629790.5449
PC	13+97.95	761401.7910	1629399.4152
PT	18+02.23	761685.3168	1629154.9287
POT	18+53.57	761736.6167	1629152.9893

REVISIONS

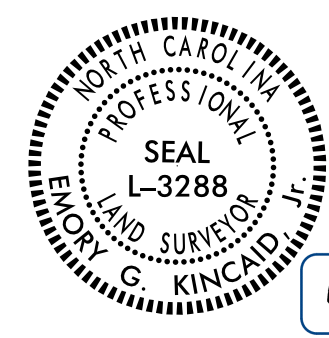
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egkincaid

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.

EXAMPLE RIGHT-OF-WAY PLANS
APRIL 2020

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. B-3159	SHEET NO. RW03E-1
Location and Surveys	
AAA CONSULTANTS 903 MAIN STREET MIDTOWN, NC 27001	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Emory Kincaid, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from July 2018 to Sept 2018, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of October, 2018.

DocuSigned by:
E.G. Kincaid
Professional Land Surveyor L-3288

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	8+53.81	-116.27	760826.2284	1628411.0815
L	19+17.07	-51.34	761878.5459	1628430.0417
L	20+64.72	-40.00	762036.0113	1628416.8809
L	20+92.00	-40.00	762063.2837	1628416.3541
L	20+64.72	40.00	762037.5566	1628496.8709
L	18+37.00	42.00	761816.9023	1628535.6425
L	19+28.79	42.00	761914.0613	1628517.1354
L	7+68.15	73.90	760746.8307	1628603.9470
L	7+67.51	73.04	760746.1612	1628603.1075
L	8+10.63	40.87	760788.2050	1628569.5427
L	8+15.66	-13.50	760791.4569	1628515.0438

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y7	18+51.48	60.00	761736.7983	1629213.0253
Y7	18+02.23	60.00	761687.5835	1629214.8859
Y7	13+97.95	60.00	761460.7629	1629410.4751
Y7	12+85.00	40.00	761420.2856	1629517.8018
Y7	10+61.14	-18.77	761321.2552	1629726.9963
Y7	12+13.51	-17.75	761350.3463	1629677.4187
Y7	14+15.77	-20.88	761385.3381	1629376.9452
Y7	14+63.39	-25.04	761397.7160	1629327.0805
Y7	15+69.89	-23.71	761461.6869	1629232.0530
Y7	17+08.59	-60.00	761573.2311	1629116.5316
Y7	18+51.37	-60.00	761732.1538	1629093.1152
Y7	18+02.23	-60.00	761683.0501	1629094.9715
Y7	12+35.00	40.00	761411.0691	1629566.9451

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y	38+20.00	-145.00	761367.6155	1629807.9299
Y	38+20.00	-130.00	761352.8706	1629805.1749
Y	29+00.00	129.20	761191.3286	1628864.2520
Y	29+00.00	136.64	761183.8885	1628864.0786
Y	30+54.28	130.30	761184.6799	1629014.8731

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
RPA	16+84.68	69.96	761657.9836	1629023.0298
RPA	20+63.28	70.00	761786.2616	1628617.7314

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	10+70.07	19.11	760833.2012	1628599.0177
Y2	11+92.47	20.00	760935.0903	1628558.3303
Y2	10+70.07	20.00	760833.7577	1628599.7149

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
RPC	11+25.00	88.73	761070.0452	1627575.0204
RPC	20+19.00	91.01	760890.8868	1628414.6133
RPC	14+40.28	95.00	761057.0859	1627845.4522
RPC	16+24.28	115.00	760974.2391	1627992.8873
RPC	12+58.13	95.01	761077.0275	1627694.7091
RPC	19+08.96	93.00	760894.9024	1628304.6267
RPC	17+36.28	105.00	760935.2136	1628098.3423

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y5	10+85.00	20.01	762102.8942	1628540.8437

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y6	11+50.00	22.42	762103.9065	1628370.5051

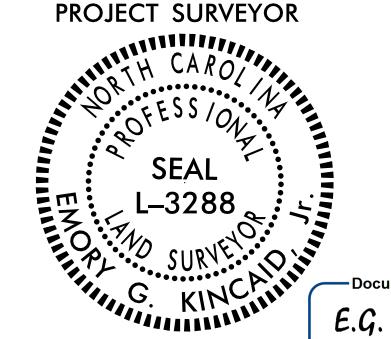
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED JULY 2018 TO SEPT 2018.

REVISIONS

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 E.G. Kincaid

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. B-3159	SHEET NO. RW03E-2
Location and Surveys	
AAA CONSULTANTS 903 MAIN STREET MIDTOWN, NC 27001	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EXAMPLE RIGHT-OF-WAY PLANS
APRIL 2020

I, Emory Kincaid, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from July 2018 to Sept 2018, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of October, 2018.

DocuSigned by:
E.G. Kincaid
Professional Land Surveyor L-3288

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
L	20+64.72	62.00	762037.9814	1628518.8619
L	8+00.04	10.00	760776.6163	1628539.0386
L	18+58.00	62.00	761842.2086	1628552.6898
L	19+28.41	62.00	761919.0617	1628536.5002
L	19+28.79	-72.00	761883.1774	1628407.3984
L	7+97.03	-73.08	760770.8844	1628456.1057
L	7+58.83	-63.70	760733.0147	1628466.7215
L	6+84.80	136.03	760665.5550	1628668.7673
L	18+01.78	-83.53	761774.4828	1628412.8145

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
RPA	20+63.28	100.00	761816.0462	1628614.1424
RPA	16+84.67	100.00	761680.3071	1629043.1384

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y	34+68.95	146.00	761133.9986	1629416.5255
Y	34+58.69	146.00	761135.2179	1629406.6000
Y	34+49.00	129.39	761152.8466	1629399.2092
Y	34+78.00	129.33	761149.4531	1629427.3472
Y	34+49.00	146.00	761136.3526	1629397.2267
Y	34+78.00	146.00	761132.9090	1629425.2732

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
RPC	20+19.00	112.00	760869.9287	1628413.4686
RPC	19+08.96	113.00	760874.9321	1628303.5359
RPC	17+36.28	125.00	760917.1462	1628089.7594
RPC	16+24.28	135.00	760956.1730	1627984.3074
RPC	13+65.00	115.00	761051.2587	1627800.8006
RPC	14+48.24	243.55	760913.2328	1627807.9663
RPC	13+58.93	226.19	760942.0307	1627759.5620
RPC	13+05.00	115.00	761056.4287	1627732.8542
RPC	10+04.91	93.87	761043.9961	1627458.7392
RPC	12+59.00	115.00	761057.0619	1627695.8810
RPC	14+40.28	115.00	761037.9026	1627839.7953

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y6	11+79.15	48.84	762076.3530	1628398.5876
Y6	11+54.89	29.00	762097.1368	1628375.1299
Y6	10+40.00	29.00	762101.6765	1628260.3310
Y6	10+40.00	22.60	762108.0726	1628260.5839

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED JULY 2018 TO SEPT 2018 .

REVISIONS

6/2/19

I:\APR_2020_144\1\Tables\EmorysFile\RW Series - RW4+ Source Files\Apr11\EmorysFile\LS-299115\egkincaid

RIGHT OF WAY CONTROL SHEET

THE PURPOSE OF THIS ADDENDUM IS TO ADD THE PERMANENT DRAINAGE EASEMENT ABUTTING THE RW OF Y7 AT STATION 12+35.00 - 13+55.00 AS SHOWN ON SHEET RW07A.

EXAMPLE RIGHT-OF-WAY PLANS
APRIL 2020

4/16/2020

I, Donald F Stallings, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from Jan 2020 to Feb 2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 15th day of February, 2020.

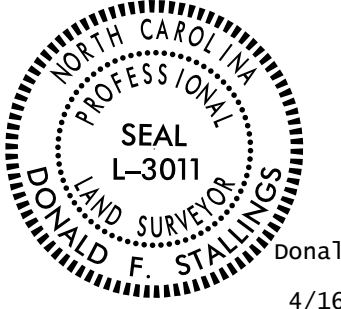
Professional Land Surveyor L-3011

Donald F Stallings

Location and Surveys

ACME CONSULTANTS
500 MAIN STREET
EMERALD CITY, NC 27002

PROJECT SURVEYOR



Donald F Stallings

4/16/2020

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

ROW MARKER PERMANENT EASEMENT - E

ALIGN	STATION	OFFSET	NORTH	EAST
Y7	13+55.00	52.39	761445.3714	1629451.2861
Y7	12+35.00	64.00	761434.6578	1629571.3690
Y7	13+04.00	118.00	761500.4513	1629513.5053
Y7	17+55.95	-60.00	761627.9321	1629101.3340

REVISIONS

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 egkincaid

6/2/09

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED JAN 2020 TO FEB 2020 .

**EXAMPLE RIGHT-OF-WAY PLANS
APRIL 2020**

NAD 83/NSRS 2007

I, Emory Kincaid, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from July 2018 to Sept 2018, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of October, 2018.

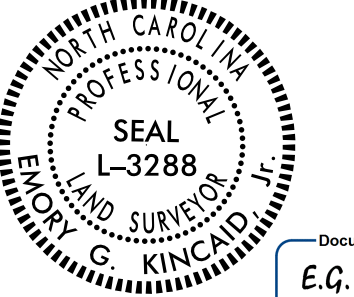
DocuSigned by:
E.G. Kincaid
Professional Land Surveyor L-3288

PROJECT REFERENCE NO. B-3159 SHEET NO. RW04

Location and Surveys

AAA CONSULTANTS
903 MAIN STREET
MIDTOWN, NC 27001

PROJECT SURVEYOR



DocuSigned by:
E.G. Kincaid
805886A1C09C421

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

8/16/2017 (EKK) Added Parcel Numbers

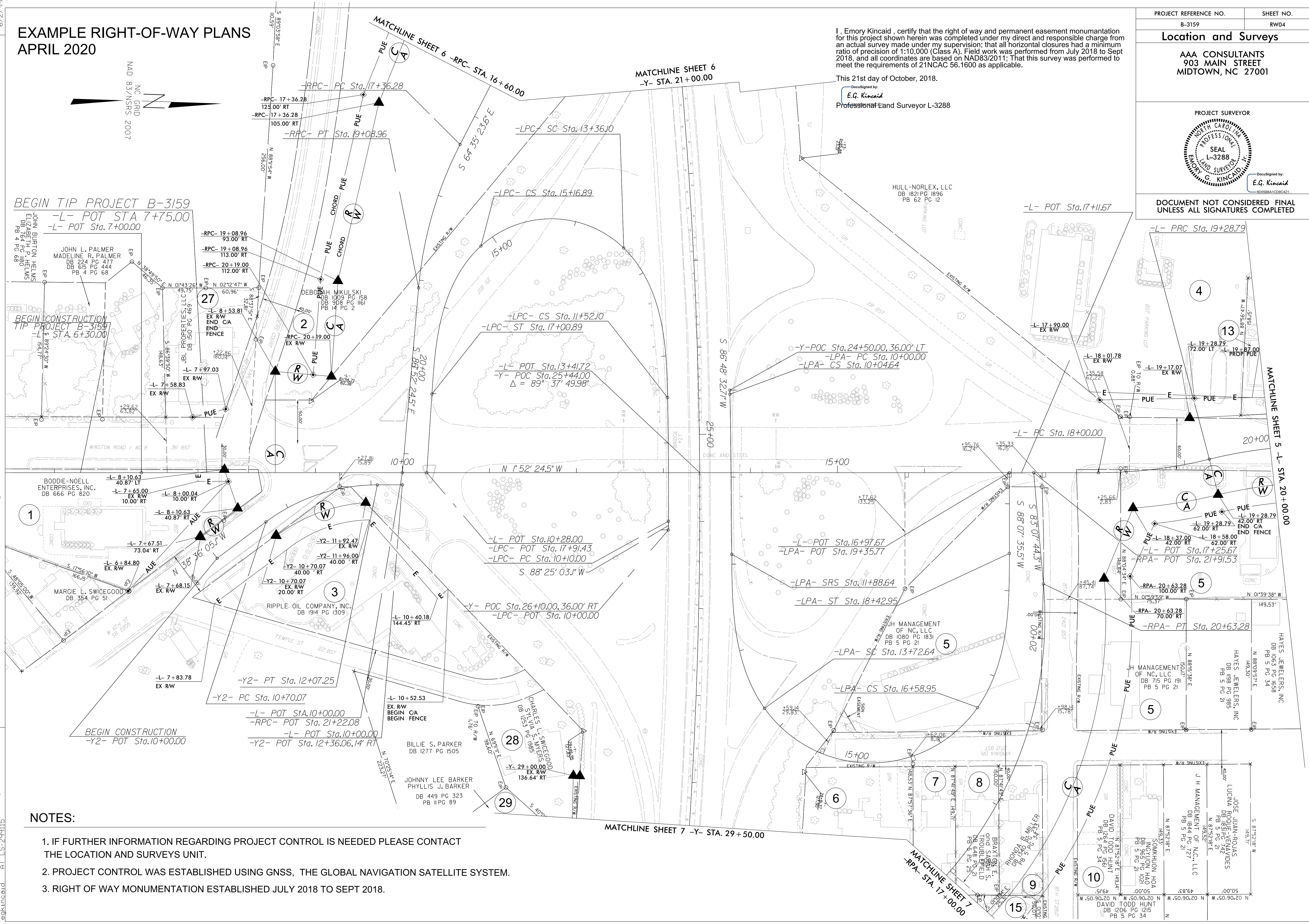
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BEGIN TIP PROJECT B-3159
-L- POT STA 7+75.00
-L- POT STA.7+00.00

BEGIN CONSTRUCTION TIP PROJECT B-3159
-L- STA.6+30.00

BEGIN CONSTRUCTION
-Y2- POT STA.10+00.00

- NOTES:**
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
 2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
 3. RIGHT OF WAY MONUMENTATION ESTABLISHED JULY 2018 TO SEPT 2018.

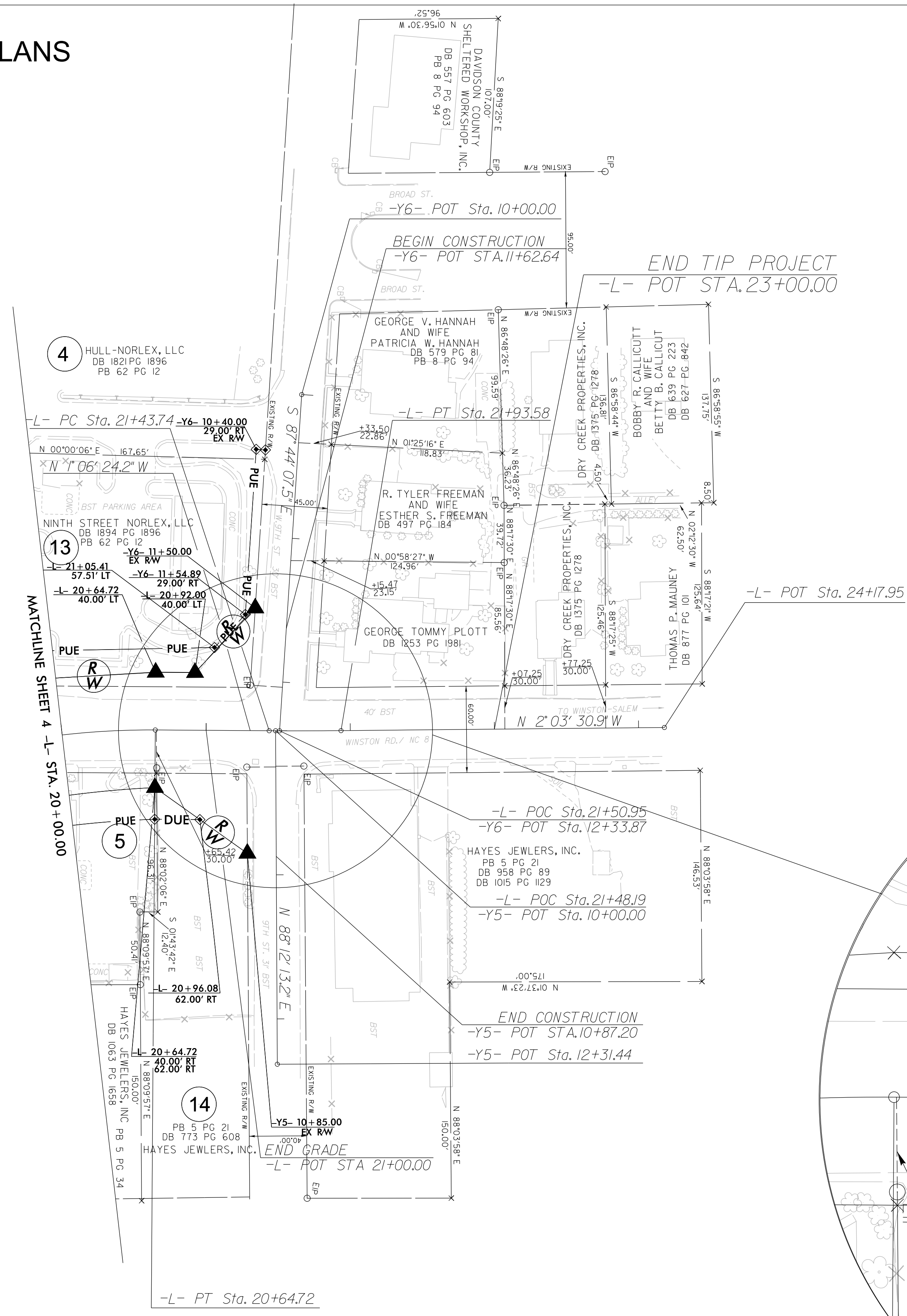
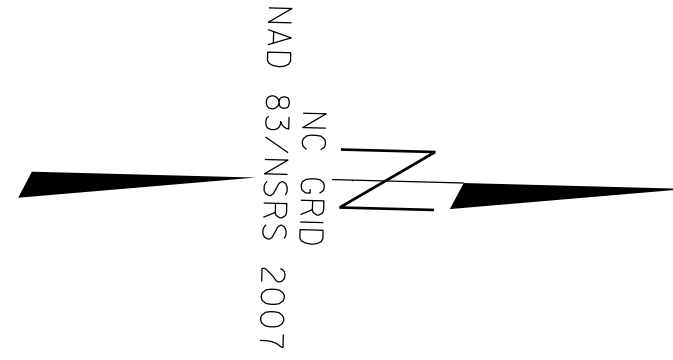


MATCHLINE SHEET 5 -L- STA. 20+00.00

MATCHLINE SHEET 7 -Y- STA. 29+50.00

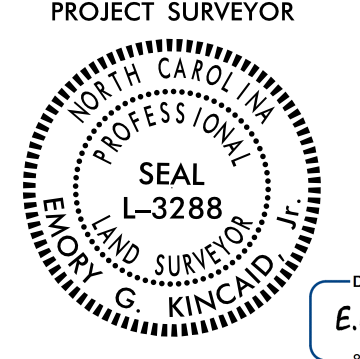
MATCHLINE SHEET 7
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EXAMPLE RIGHT-OF-WAY PLANS APRIL 2020

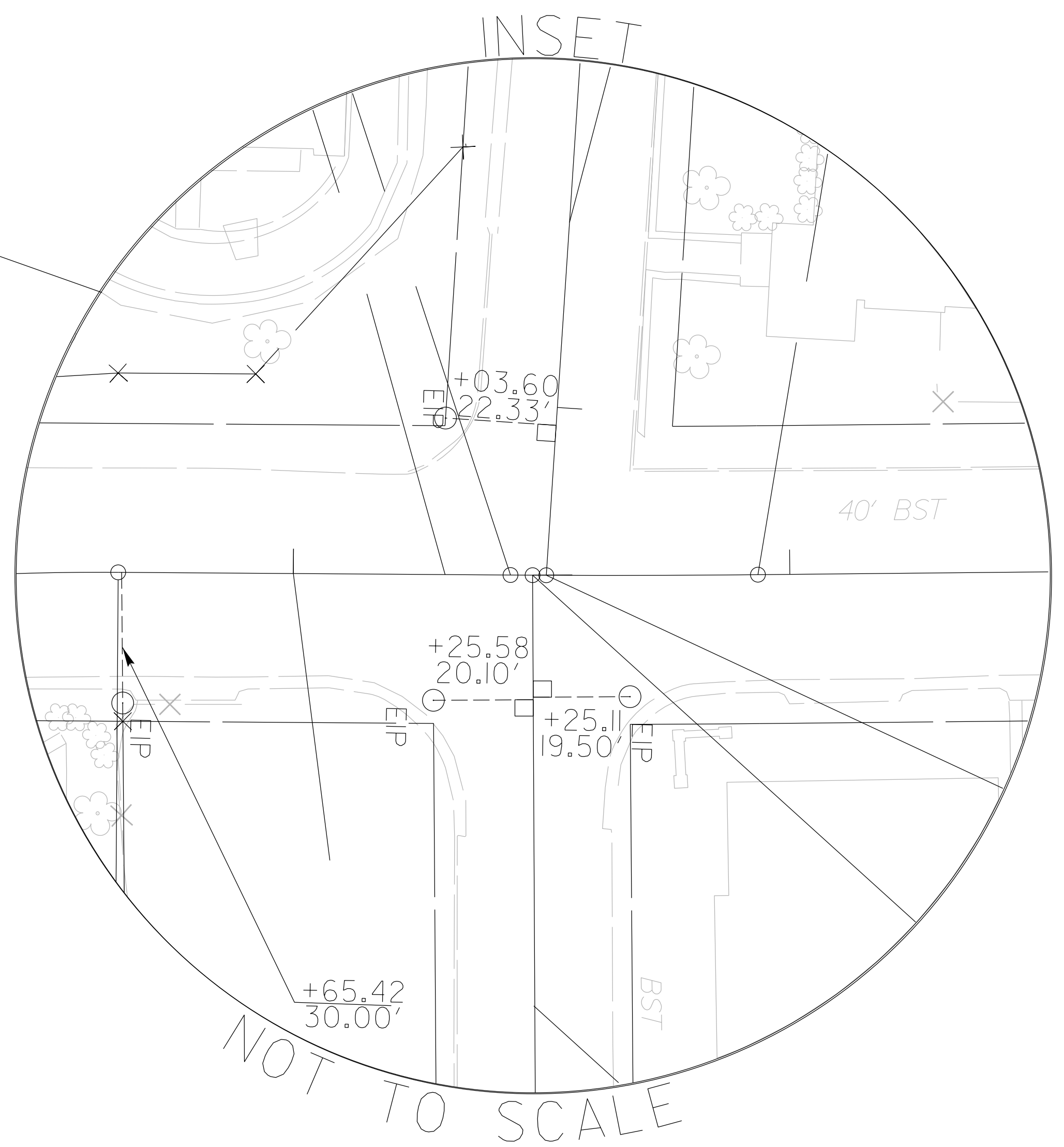


I, Emory Kincaid, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from July 2018 to Sept 2018, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of October, 2018.
 E.G. Kincaid
 Professional Land Surveyor L-3288

PROJECT REFERENCE NO. B-3159	SHEET NO. RW05
Location and Surveys	
AAA CONSULTANTS 903 MAIN STREET MIDTOWN, NC 27001	
PROJECT SURVEYOR  E.G. Kincaid Professional Land Surveyor L-3288	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L-	
PI Sta 19+97.13	PI Sta 21+68.66
$\Delta = 14^{\circ} 36' 42.4" (RT)$	$\Delta = 0^{\circ} 57' 06.7" (LT)$
$D = 10^{\circ} 44' 58.8"$	$D = 1^{\circ} 54' 35.5"$
$L = 135.93'$	$L = 49.84'$
$T = 68.33'$	$T = 24.92'$
$R = 533.00'$	$R = 3,000.00'$
SE = SEE PLANS	SE = SEE PLANS



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED JULY 2018 TO SEPT 2018.

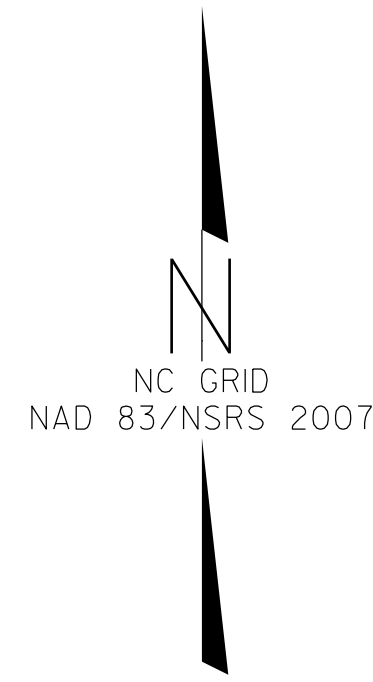
REVISIONS

8/16/2017 (EGK) Added parcel numbers

6/2/199

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 egkincaid

EXAMPLE RIGHT-OF-WAY PLANS APRIL 2020



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED JULY 2018 TO SEPT 2018.

I, Emory Kincaid, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from July 2018 to Sept 2018, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of October, 2018.

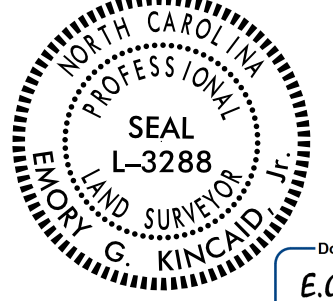
DocuSigned by:
E.G. Kincaid
Professional Land Surveyor L-3288

PROJECT REFERENCE NO.	SHEET NO.
B-3159	RW06

Location and Surveys

AAA CONSULTANTS
903 MAIN STREET
MIDTOWN, NC 27001

PROJECT SURVEYOR



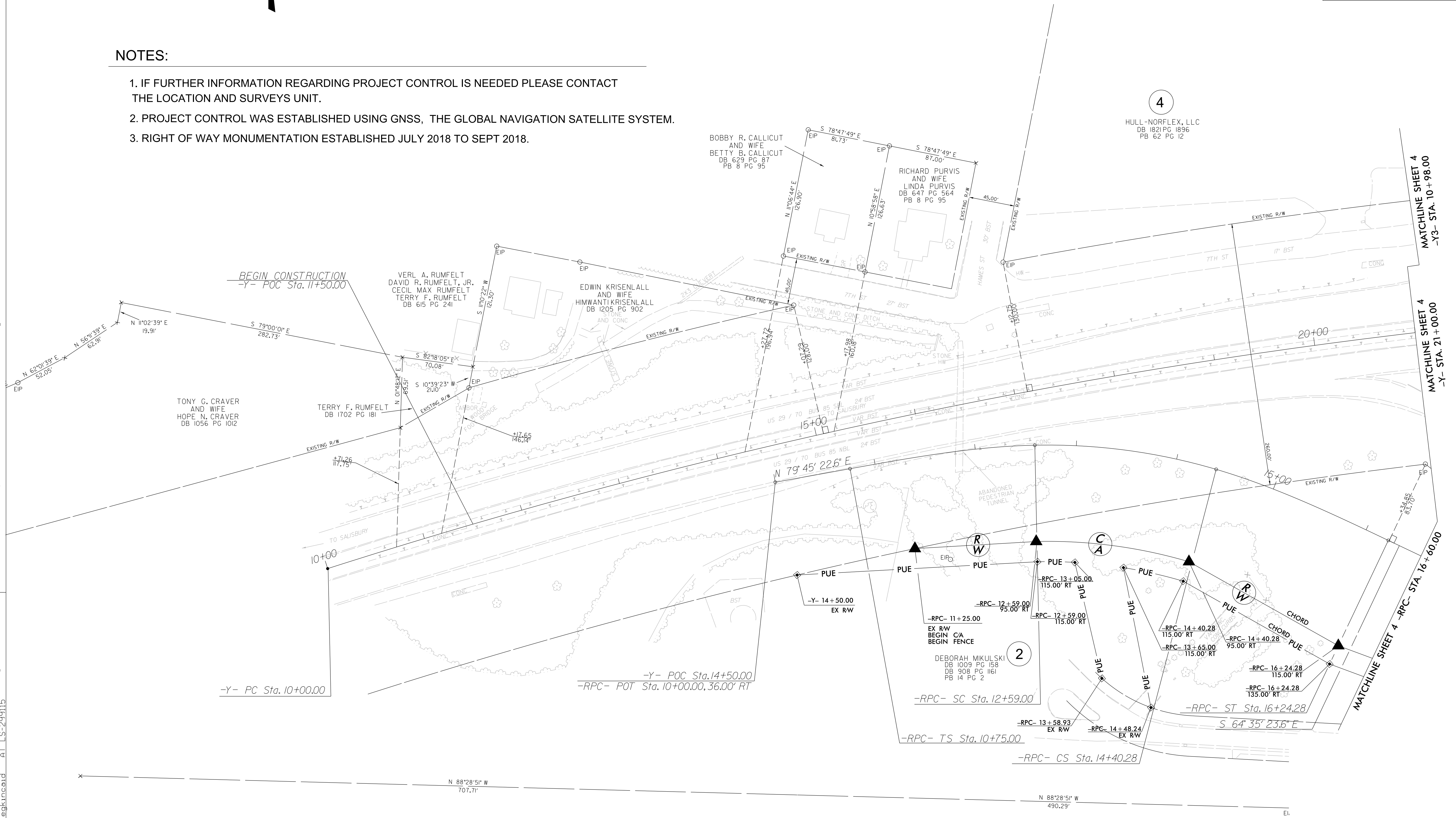
DocuSigned by:
E.G. Kincaid
800588A1C0M021

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

REVISIONS

8/16/2017 (ECK) Added parcel numbers

15-APR-2020 14:42 N:\Tables\EmorysFile\RW Series - RW4+ Source Files\April Finished Files\B3159_1s_rw06.dgn
E.G. Kincaid
E.G. Kincaid



6/2/199

EXAMPLE RIGHT-OF-WAY PLANS

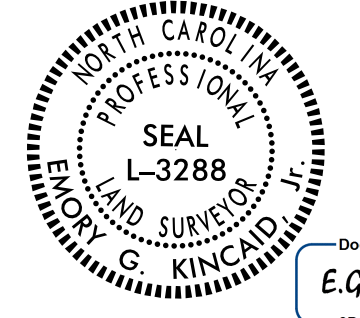
APRIL 2020

PROJECT REFERENCE NO. B-3159 SHEET NO. RW07

Location and Surveys

AAA CONSULTANTS
903 MAIN STREET
MIDTOWN, NC 27001

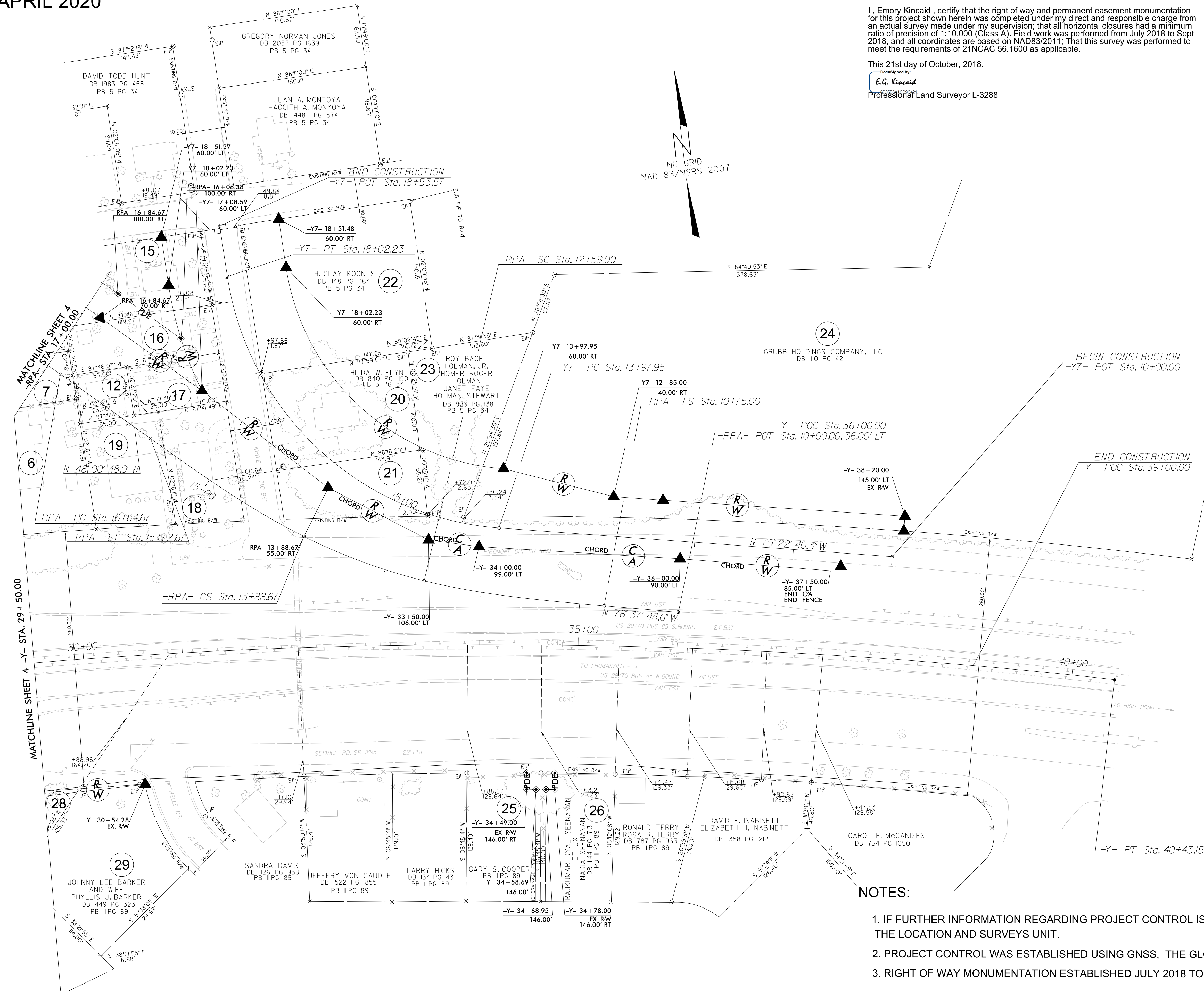
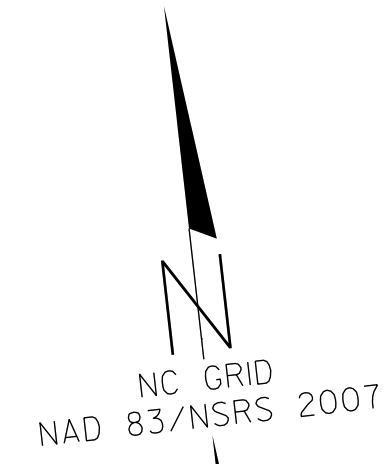
PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Emory Kincaid, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from July 2018 to Sept 2018, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of October, 2018.
E.G. Kincaid
Professional Land Surveyor L-3288



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED JULY 2018 TO SEPT 2018.

- 6 THOMAS LEROY LEE DB 1758 PG 318 PB 5 PG 25
- 7 JOHN MILTON FRITTS BETTY E FRITTS DB 507 PG 744 PB 5 PG 25
- 12 EVA J. SHAW RALPH SHAW
- 15 VIVIAN E. BROADWAY DB 514 PG 359 PB 5 PG 25
- 16 MARGARET P. SMITH, WIDOW DB 1393 PG 1195 PB 5 PG 34
- 17 TODD J. SURRATT DB 2012 PG 2079 PB 5 PG 34
- 18 JAMES EARL LANIER DEBRA LANIER DB 1805 PG 1273 PB 5 PG 34
- 19 HEIH. TAM YIM CHAI WU TAM DB 1235 PG 948 PB 5 PG 34
- 21 ROBERT L. EVERHART, III
- 28 CHARLES L. SWICEGOOD DB 1253 PG 1985

REVISIONS
 8/16/2017 (EGK) Added parcel numbers

6/2/09
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 E.G. Kincaid

EXAMPLE RIGHT-OF-WAY PLANS APRIL 2020

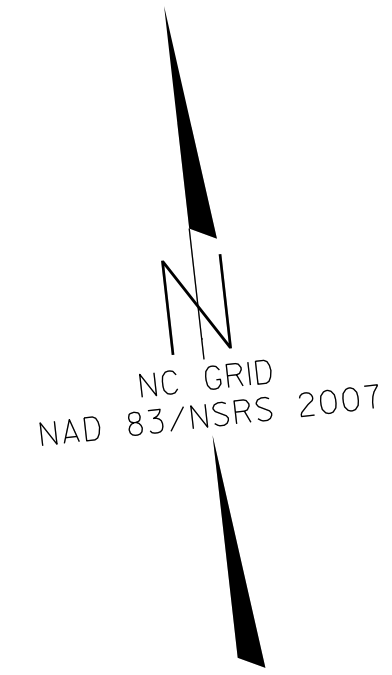
THE PURPOSE OF THIS ADDENDUM IS TO ADD THE PERMANENT DRAINAGE EASEMENT
ABUTTING THE RW OF Y7 AT STATION 12+35.00 - STA 13+55.00.

I, Donald F Stallings, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from Jan 2020 to Feb 2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

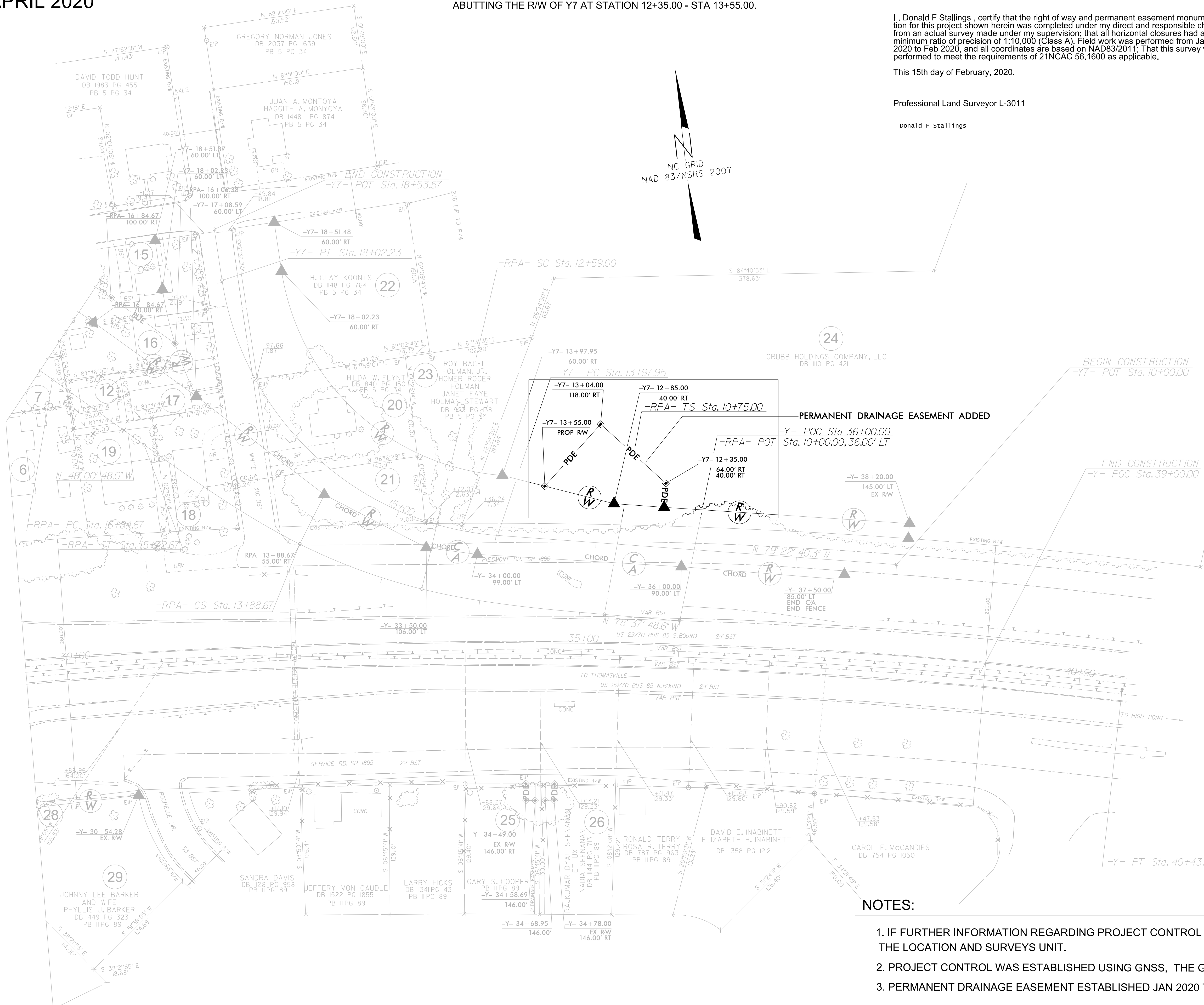
This 15th day of February, 2020.

Professional Land Surveyor L-3011

Donald F Stallings



PROJECT REFERENCE NO.	SHEET NO.
B-3159	RW07A
Location and Surveys	
ACME CONSULTANTS 500 MAIN STREET EMERALD CITY, NC 27002	
PROJECT SURVEYOR	
Donald F Stallings 4/16/2020	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

8/16/2017 (EGK) Added parcel numbers

8/16/2017 (EGK) Added parcel numbers

- 6 THOMAS LEROY LEE DB 1758 PG 318 PB 5 PG 25
- 7 JOHN MILTON FRITTS BETTY E FRITTS DB 507 PG 744 PB 5 PG 25
- 12 EVA J. SHAW RALPH SHAW
- 15 VIVIAN E. BROADWAY DB 514 PG 359 PB 5 PG 25
- 16 MARGARET P. SMITH, WIDOW DB 1393 PG 1195 PB 5 PG 34
- 17 TODD J. SURRATT DB 2012 PG 2079 PB 5 PG 34
- 18 JAMES EARL LANIER DEBRA LANIER DB 1805 PG 1273 PB 5 PG 34
- 19 HEIH. TAM YIM CHAU WU TAM DB 1235 PG 948 PB 5 PG 34
- 21 ROBERT L. EVERHART, III
- 28 CHARLES L. SWICEGOOD DB 1253 PG 1985

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.
- PERMANENT DRAINAGE EASEMENT ESTABLISHED JAN 2020 TO FEB 2020.