

REVISIONS

RIGHT OF WAY CONTROL SHEET

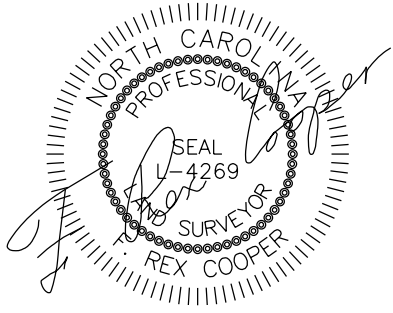
PROJECT REFERENCE NO.
I-5883

SHEET NO.
RW03E-6

Location and Surveys



801 JONES FRANKLIN ROAD, SUITE 300
RAUBER, NC 27606
LICENSE NO.: F0612
www.stantec.com



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

ROW MARKER PERMANENT EASEMENT -E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y17RPC	15+85.00	116.00	578689.2892	2131574.9269
Y17RPC	15+89.00	173.00	578671.1630	2131629.1139
Y17RPC	16+05.00	117.00	578707.2172	2131583.4408
Y17RPC	16+08.00	152.00	578696.5054	2131616.8918
Y17RPC	16+67.00	119.00	578761.9649	2131608.7483
Y17RPC	16+71.00	167.00	578746.3496	2131654.2965
Y17RPC	16+73.00	186.00	578740.4859	2131672.4643
Y17RPC	16+91.00	144.00	578772.7499	2131640.7702
Y17RPC	16+95.00	188.64	578757.9695	2131683.0542
Y17RPC	19+45.00	132.00	578977.2304	2131740.4689
Y17RPC	19+47.00	91.00	579002.2423	2131707.9313
Y17RPC	21+35.00	107.00	579127.8830	2131831.1739
Y17RPC	23+57.00	145.00	579261.9368	2132009.7310

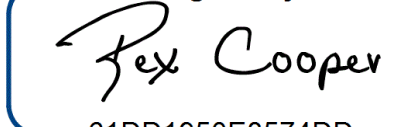
ROW MARKER PERMANENT EASEMENT -E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y26	10+83.00	35.00	577133.4339	2131003.5133
Y26	11+10.00	-55.00	577215.9577	2131048.4443
Y26	12+95.00	-55.00	577177.9106	2131229.4907
Y26	12+95.00	-35.00	577158.3384	2131225.3766
Y26	13+04.00	42.00	577081.1332	2131218.3496
Y26	13+04.00	35.00	577087.9836	2131219.7892
Y26	13+28.00	-35.00	577151.5515	2131257.6722
Y26	13+28.00	-55.00	577171.1240	2131261.7853
Y26	13+30.00	35.00	577082.6365	2131245.2334
Y26	13+30.00	42.00	577075.7861	2131243.7938
Y26	16+97.00	-55.00	577095.2363	2131622.8976
Y26	17+02.00	-35.00	577074.6356	2131623.6776
Y26	27+42.00	-35.00	576945.9085	2132627.5281
Y26	27+42.00	-47.00	576957.7272	2132625.4503
Y26	27+73.00	-35.00	576951.2762	2132658.0599
Y26	27+73.00	-47.00	576963.0949	2132655.9821

ROW MARKER PERMANENT EASEMENT -E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y32	10+34.00	80.30	570544.6284	2128472.8066
Y32	10+69.20	72.00	570513.6620	2128491.4804

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

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

Witness my original signature, registration number and seal this 10th day of April, 2020.

DocuSigned by:

61DD1950E8574DD...

Professional Land Surveyor

L-4269



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

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

3. RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020 .

6/2/99

20-MAR-2020 14:27
C:\Users\15986B\Documents\rowcontrolsheets\5986B_5878_Final Plans\Roadway\Pro\N\5986B_LS-rw03e-7.dgn
George Hart, A.P.

REVISIONS

RIGHT OF WAY CONTROL SHEET

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	1323+50.00	129.84	590851.0009	2135940.7619

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
SR17	57+47.42	50.00	583231.7733	2133037.3383
SR17	65+99.36	50.00	584030.4811	2133333.7873
SR17	65+99.36	35.50	584035.5266	2133320.1935
SR17	53+81.13	50.00	582887.3245	2132930.2681
SR17	50+90.61	50.00	582604.9310	2132845.9361
SR17	47+81.07	65.00	582307.4759	2132760.9604

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST

ALIGN	STATION	OFFSET	NORTH	EAST
Y29	30+70.00	-91.70	588144.9578	2134967.8332
Y29	31+69.22	65.00	587970.5080	2134905.1585
Y29	33+45.00	40.00	587845.4064	2135028.4932
Y29	35+50.00	40.00	587677.2794	2135144.6547
Y29	35+50.00	-40.00	587722.5504	2135210.6133
Y29	34+24.12	40.00	587781.0630	2135073.4223
Y29	24+95.85	-70.00	588582.8346	2134595.8316
Y29	21+00.00	-30.41	588869.5028	2134319.9981
Y29	20+57.32	29.87	588865.7828	2134246.2250
Y29	23+41.73	60.00	588623.6083	2134398.3704
Y29	35+50.00	-30.00	587716.8915	2135202.3685
Y29	35+50.00	30.09	587682.8850	2135152.8219
Y29	35+15.00	-40.00	587751.4073	2135190.8072
Y29	33+96.00	-60.00	587861.0754	2135139.6947

ALIGN	STATION	OFFSET	NORTH	EAST
Y29A	16+91.08	45.00	588655.0448	2135124.5553
Y29A	19+06.72	45.00	588847.8693	2135151.6797
Y29A	19+06.72	60.00	588842.6498	2135165.7423
Y29A	30+86.31	60.00	589948.5170	2135576.1970
Y29A	36+00.00	60.00	590416.1749	2135774.6178
Y29A	8+20.00	30.00	587787.6912	2135198.0118
Y29A	8+40.00	-30.00	587839.7328	2135162.3032
Y29A	9+83.74	30.00	587971.9385	2135229.2751
Y29A	9+83.74	-30.00	587949.8096	2135173.5049
Y29A	11+39.74	30.00	588116.9409	2135171.7401
Y29A	12+90.66	30.00	588254.6464	2135139.9596
Y29A	12+90.66	-30.00	588250.0969	2135080.1323
Y29A	11+39.74	-30.00	588094.8121	2135115.9699
Y29A	14+96.85	45.00	588461.3763	2135139.2825
Y29A	14+96.85	30.00	588460.2395	2135124.3256
Y29A	17+32.64	-30.00	588693.3751	2135048.2593
Y29A	16+91.08	-30.00	588649.3580	2135049.7713
Y29A	?+??,??	?.??	590769.1318	2135930.9590

ALIGN	STATION	OFFSET	NORTH	EAST
Y28	15+75.00	-45.00	591074.5636	2135489.0346
Y28	15+75.00	-30.01	591061.5689	2135496.5134
Y28	16+41.36	-45.00	591107.6647	2135546.5489
Y28	22+56.86	-40.00	591486.0254	2136009.7136
Y28	24+77.55	-40.00	591653.8737	2136153.0013
Y28	28+27.71	-40.00	591923.0316	2136374.7556
Y28	29+50.00	-30.66	591991.7880	2136381.4889
Y28	21+38.17	-45.00	591403.8004	2135927.9318
Y28	22+06.13	-40.00	591448.7580	2135976.9804

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST

ALIGN	STATION	OFFSET	NORTH	EAST
Y18RPB	16+51.22	-35.00	592242.6854	2136646.4979
Y18RPB	14+56.61	-35.00	592076.4541	2136557.1429

ALIGN	STATION	OFFSET	NORTH	EAST
Y18RPD	16+68.50	-70.00	592730.4045	2137867.9563
Y18RPD	15+33.45	-70.00	592831.5214	2137953.6281
Y18RPD	14+26.20	-70.00	592907.0300	2138024.3988

ALIGN	STATION	OFFSET	NORTH	EAST
Y18RPA	14+76.38	45.31	592836.9667	2137345.8314
Y18RPA	12+47.77	57.29	592928.8929	2137544.4186
Y18RPA	12+00.00	54.57	592948.1635	2137586.0485

ALIGN	STATION	OFFSET	NORTH	EAST
Y33	30+67.99	40.00	594830.9744	2140765.7298
Y33	32+35.97	40.00	594889.8417	2140923.0603
Y33	34+56.34	40.00	595014.2545	2141122.2187
Y33	40+57.39	40.00	595427.7687	2141558.4068
Y33	44+90.00	40.00	595579.4943	2141930.3842
Y33	44+90.00	30.00	595589.3385	2141928.6258
Y33	42+24.00	40.14	595515.4674	2141684.8548
Y33	11+41.67	40.00	593581.7736	2139618.1829
Y33	17+82.69	40.00	594100.2803	2139723.2031
Y33	29+20.82	40.00	594766.7282	2140645.7980
Y33	43+77.47	40.00	595559.7063	2141819.6042

ALIGN	STATION	OFFSET	NORTH	EAST
Y27	10+62.77	-29.66	582461.4142	2132796.8235
Y27	10+58.34	30.44	582401.3183	2132792.3923

I, PARKS H ICENHOUR JR., 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 NC DOT Survey Standards as directed in the NC DOT 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 NC DOT 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 31st day of March, 2020.

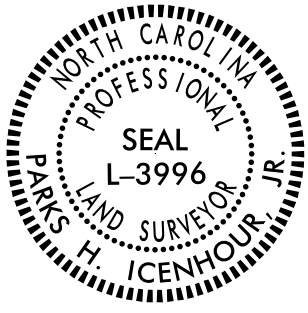
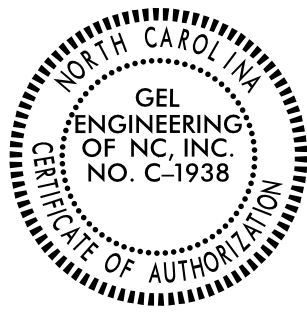
Professional Land Surveyor

L-3996

PLS

Seal

GEL SOLUTIONS



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.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FEBRUARY 10TH, 2020 TO MARCH 20TH, 2020.

09/08/19

TIP PROJECT: I-5878

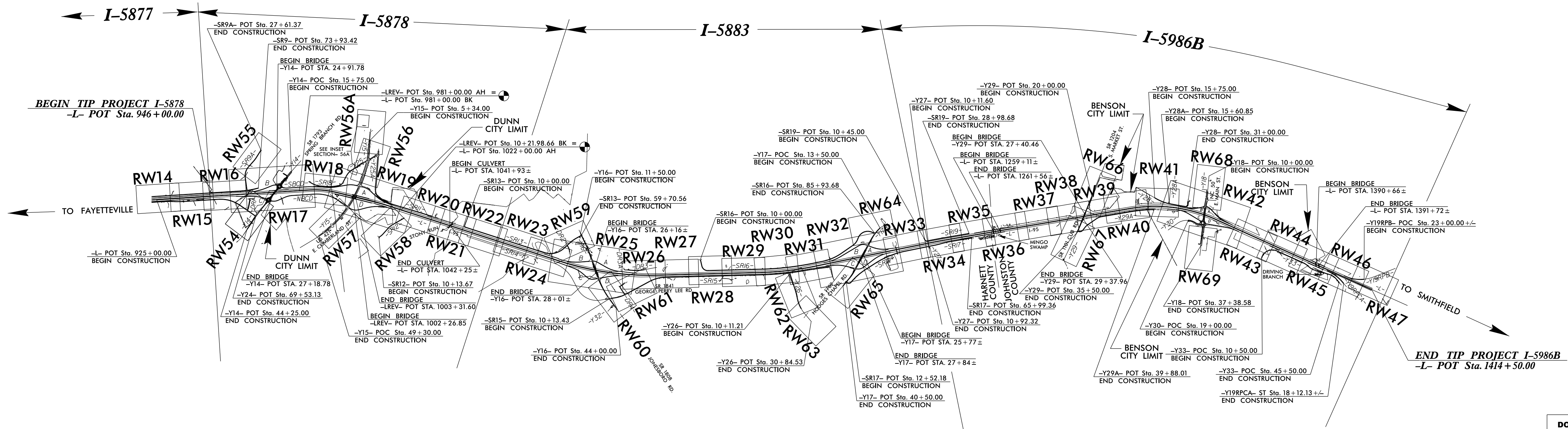
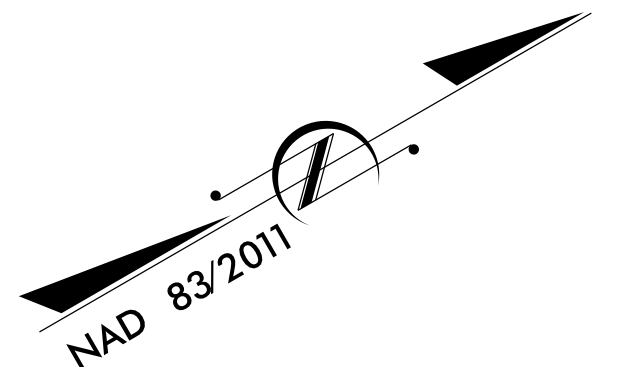
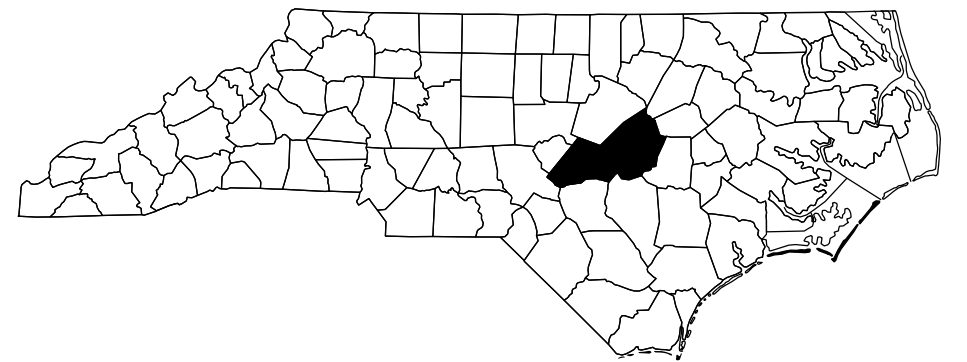
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

HARNETT AND
JOHNSTON COUNTIES

LOCATION: I-95 FROM NORTH OF SR 1002 (LONG BRANCH ROAD)
(EXIT 71) TO I-40 (EXIT 81). WIDEN TO EIGHT LANES.

TYPE OF WORK: GRADING, PAVING, DRAINAGE, SIGNALS, CULVERTS,
AND STRUCTURES



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALE



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCDOT FOR MONUMENT "I-5878-4"
WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 559,118.126(ft) EASTING: 2,119,018.783(ft)
ELEVATION: 189.96(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 0.999869137127
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"I-5878-4" TO -L- STATION 946+00.00 IS
S 87°57'39" W 2063.45'(ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88 GEOID G12NC

I-5878 R/W Sheets Prepared in the Office of:

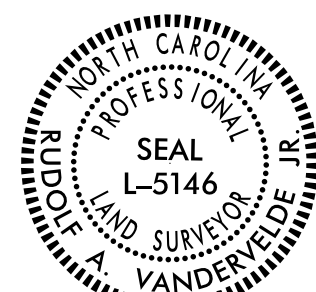


2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
AUGUST 16, 2019

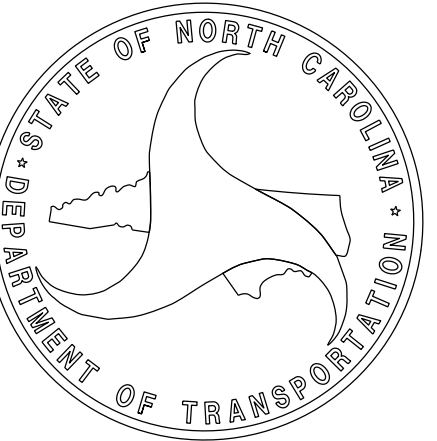
LETTING DATE:
JULY 21, 2020

PROFESSIONAL LAND
SURVEYOR

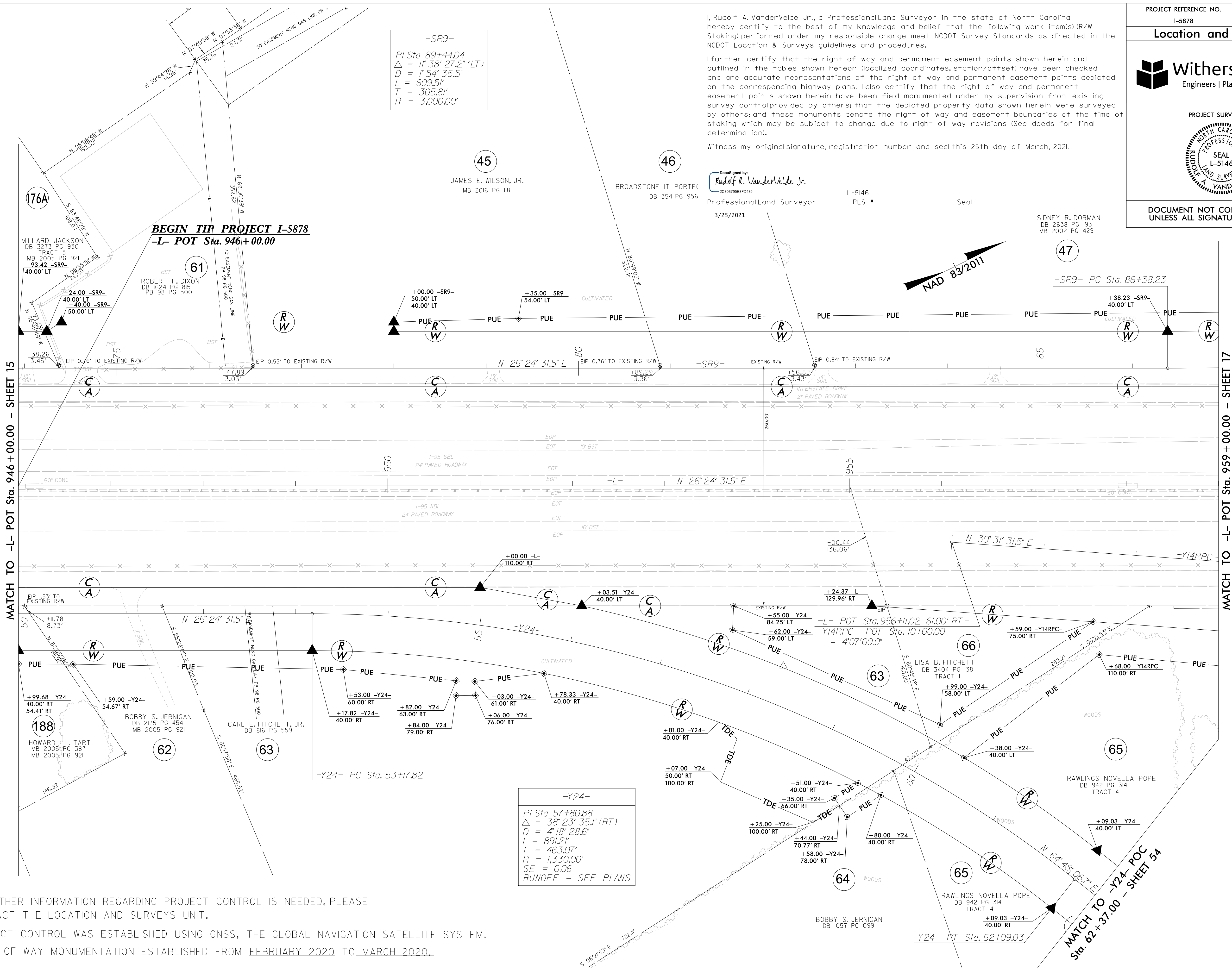


Designed by:
Rudolf A. VanderVelde, Jr.
SIGNATURE

3/26/2020
Date:



REVISIONS



-SR9-
PI Sta 89+44.04
Δ = 11° 38' 27.2" (LT)
D = 1° 54' 35.5"
L = 609.51'
T = 305.81'
R = 3,000.00'

-Y24-
PI Sta 57+80.88
Δ = 38° 23' 35.1" (RT)
D = 4° 18' 28.6"
L = 891.21'
T = 463.07'
R = 1,330.00'
SE = 0.06
RUNOFF = SEE PLANS

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

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

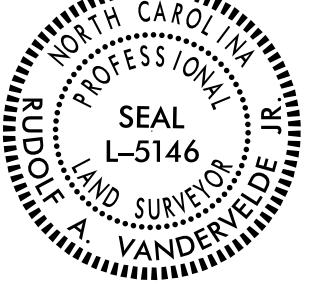
Witness my original signature, registration number and seal this 25th day of March, 2021.

DocuSign by:
Rudolf A. VanderVelde Jr.
2020079588FD438
Professional Land Surveyor
3/25/2021

L-5146
PLS #

Seal

SIDNEY R. DORMAN
DB 2638 PG 193
MB 2002 PG 429

PROJECT REFERENCE NO.	SHEET NO.
I-5878	RW16
Location and Surveys	
 Engineers Planners Surveyors	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

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

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

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Witness my original signature, registration number and seal this 25th day of March, 2021.

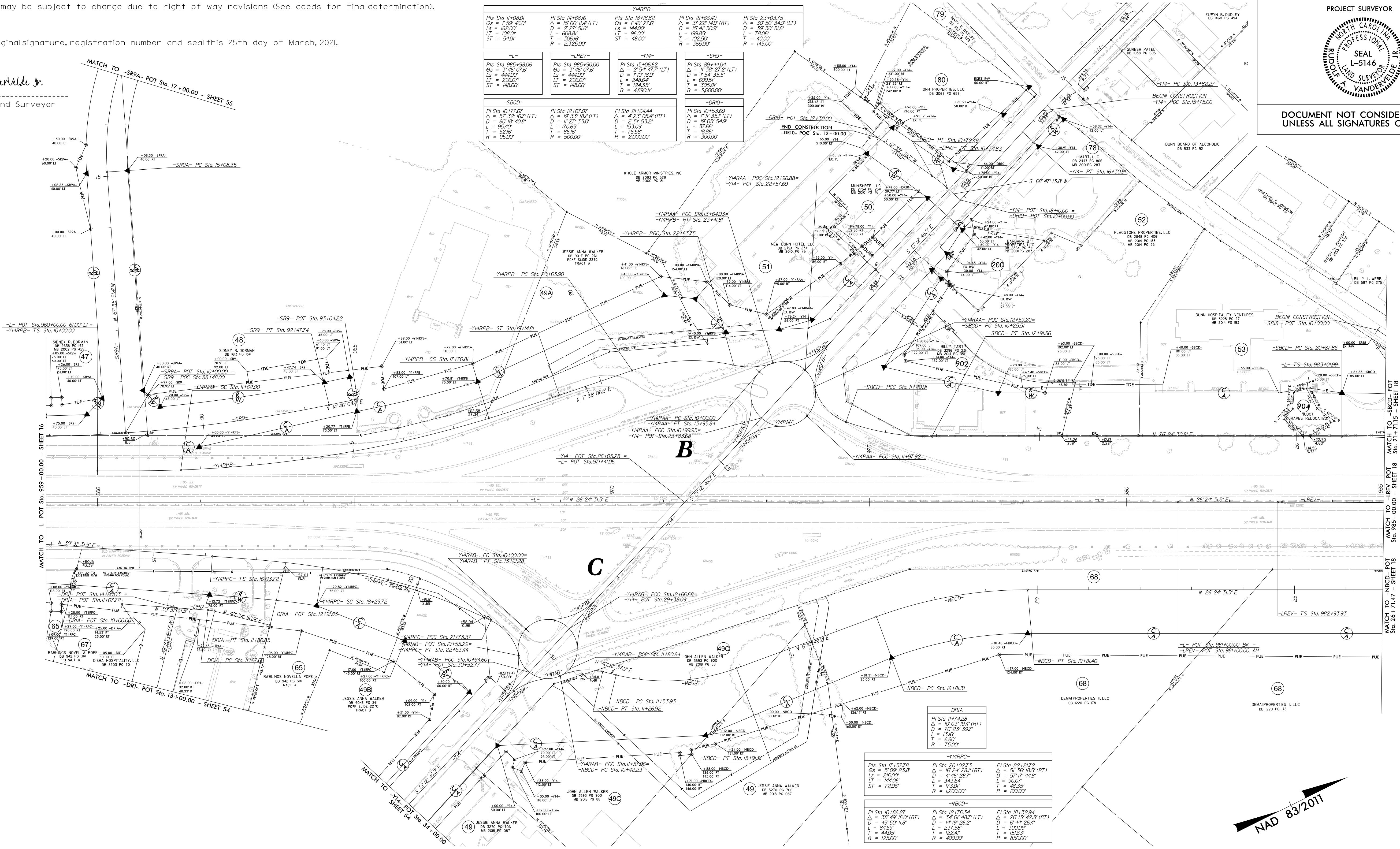
DocuSigned by:
Rudolf A. VanderVelde Jr.

Professional Land Surveyor

PLS # L-5146

3/25/2021

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.
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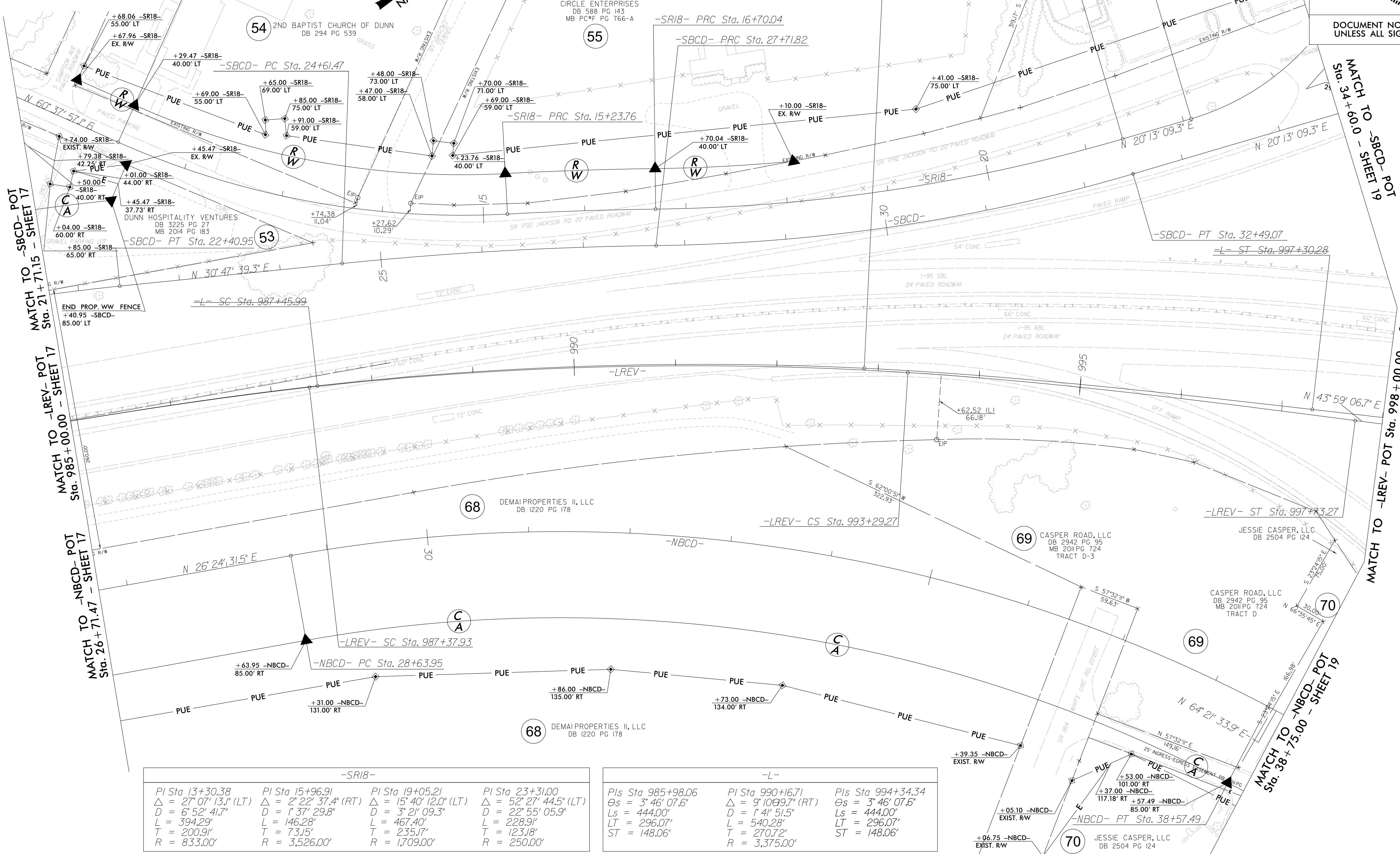
6/2/2019

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

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Witness my original signature, registration number and seal this 25th day of March, 2021.

DocuSigned by:
Rudolf A. VanderVelde Jr. 3/25/2021
Professional Land Surveyor
PLS# 5146



-LREV-		
Pls Sta 985+90.00 Δs = 3° 46' 07.6" Ls = 444.00' LT = 296.07' ST = 148.06'	Pl Sta 990+34.36 Δ = 10° 02' 19.9" (RT) D = 1° 41' 51.5" L = 591.34' T = 296.43' R = 3,375.00'	Pls Sta 994+77.33 Δs = 3° 46' 07.6" Ls = 444.00' LT = 296.07' ST = 148.06'

-SBCD-	
Pl Sta 25+73.87 Δ = 9° 02' 24.4" (RT) D = 3° 22' 13.2" L = 268.23' T = 134.39' R = 1,700.00'	Pl Sta 31+44.59 Δ = 15° 43' 21.5" (LT) D = 3° 22' 13.2" L = 466.50' T = 234.72' R = 1,700.00'

-NBCD-
Pl Sta 33+79.72 Δ = 37° 57' 02.4" (RT) D = 3° 49' 11.0" L = 993.55' T = 515.77' R = 1,500.00'

-SR18-			
Pl Sta 13+30.38 Δ = 27° 07' 13.1" (LT) D = 6° 52' 41.7" L = 394.29' T = 200.91' R = 833.00'	Pl Sta 15+96.91 Δ = 2° 22' 37.4" (RT) D = 1° 37' 29.8" L = 146.28' T = 73.15' R = 3,526.00'	Pl Sta 19+05.21 Δ = 15° 40' 12.0" (LT) D = 3° 21' 09.3" L = 467.40' T = 235.17' R = 1,709.00'	Pl Sta 23+31.00 Δ = 52° 27' 44.5" (LT) D = 22° 55' 05.9" L = 228.91' T = 123.18' R = 250.00'

-L-		
Pls Sta 985+98.06 Δs = 3° 46' 07.6" Ls = 444.00' LT = 296.07' ST = 148.06'	Pl Sta 990+16.71 Δ = 9° 10' 09.7" (RT) D = 1° 41' 51.5" L = 540.28' T = 270.72' R = 3,375.00'	Pls Sta 994+34.34 Δs = 3° 46' 07.6" Ls = 444.00' LT = 296.07' ST = 148.06'

PROJECT REFERENCE NO.
I-5878

SHEET NO.
RW18

Location and Surveys

WithersRavenel

Engineers | Planners | Surveyors

PROJECT SURVEYOR

NORTH CAROLINA
PROFESSIONAL
SEAL
L-5146
RUDOLPH A. VANDERVELDE JR.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2021.

Witness my original signature, registration number and seal
this 25th day of March, 2021.

A circular professional seal for Rudolph A. Vandervelde Jr. The outer ring contains the text "NORTH CAROLINA" at the top and "RUDOLPH A. VANDERVELDE JR." at the bottom. The inner circle contains the text "PROFESSIONAL" at the top, "SEAL" in the center, "L-5146" below "SEAL", and "LAND SURVEYOR" at the bottom.

PROJECT REFERENCE NO.	SHEET NO.
I-5878	RW19
Location and Surveys	



WithersRavenel

Engineers | Planners | Surveyors

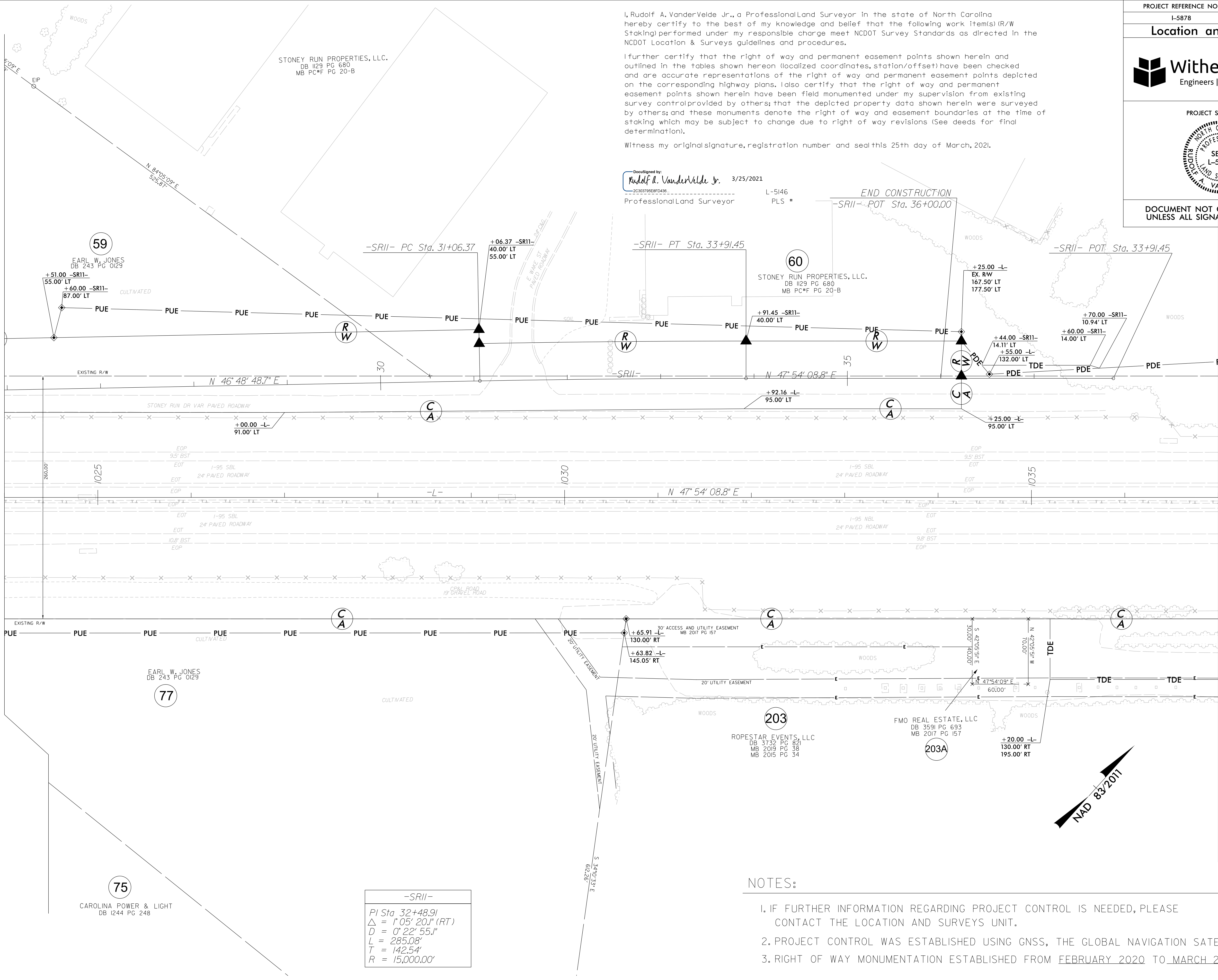


1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2021.

REVISIONS

MATCH TO -L- POT Sta. 1024+00.00 - SHEET 19

MATCH TO -L- POT Sta. 1037+00.00 - SHEET 21



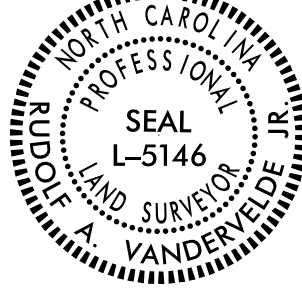
I, Rudolf A. VanderVelde Jr., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines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

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

Witness my original signature, registration number and seal this 25th day of March, 2021.

DocuSigned by:
Rudolf A. VanderVelde Jr. 3/25/2021
Professional Land Surveyor

L-5146
PLS #

PROJECT REFERENCE NO.	SHEET NO.
I-5878	RW20
Location and Surveys	
 Engineers Planners Surveyors	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO MARCH 2020.

L-5146
PLS #



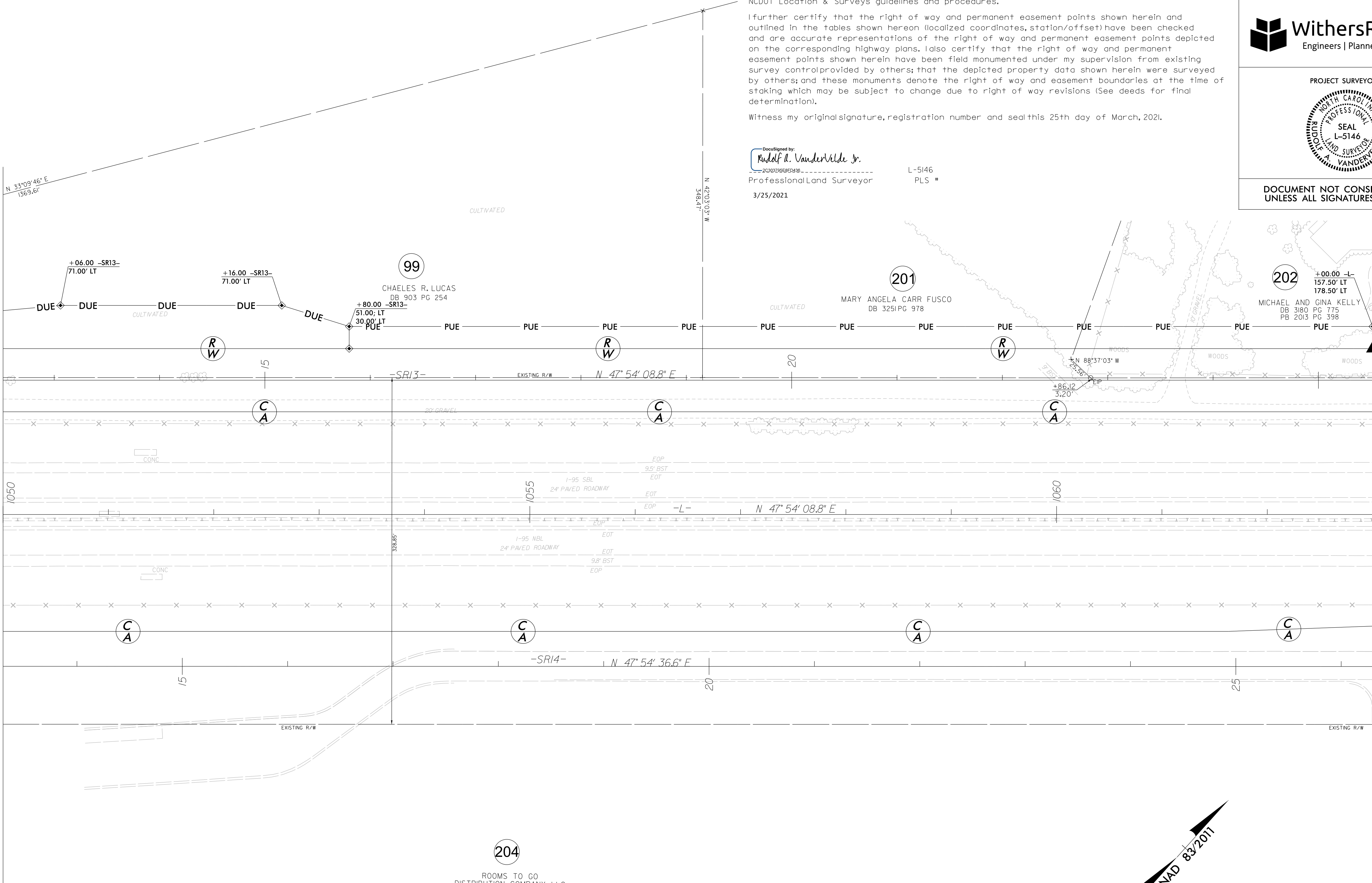
WithersRavenel
Engineers | Planners | Surveyors



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 FROM FEBRUARY 2020 TO MARCH 2020.

REVISIONS

MATCH TO -L- POT Sta. 1050 + 00.00 - SHEET 21



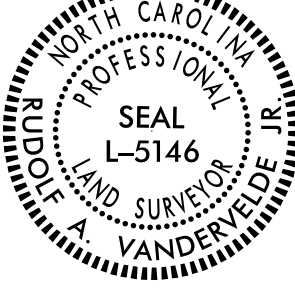
I, Rudolf A. VanderVelde Jr., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines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

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

Witness my original signature, registration number and seal this 25th day of March, 2021.

Designed by:
Rudolf A. VanderVelde Jr.
Professional Land Surveyor
3/25/2021

L-5146
PLS #

PROJECT REFERENCE NO.	SHEET NO.
I-5878	RW22
Location and Surveys	
 Engineers Planners Surveyors	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCH TO -L- POT Sta. 1063 + 00.00 - SHEET 23
END TIP I-5878 /BEGIN TIP I-5883

204
ROOMS TO GO
DISTRIBUTION COMPANY, LLC
DB 3190 PG 372
PB 2014 PG 97

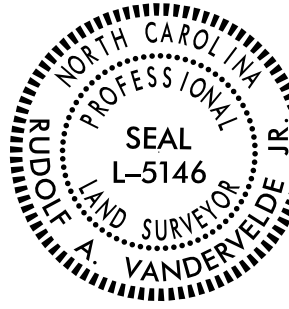
NOTES:

- 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.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO MARCH 2020.



Sea

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 FROM FEBRUARY 2020 TO APRIL 2021.

PROJECT REFERENCE NO.	SHEET NO.
I-5878	RW55
Location and Surveys	
 WithersRavenel Engineers Planners Surveyors	
PROJECT SURVEYOR	
	
DISCLAIMER: THIS DOCUMENT IS UNLESS ALL SIGNATURES COMPLETED	

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

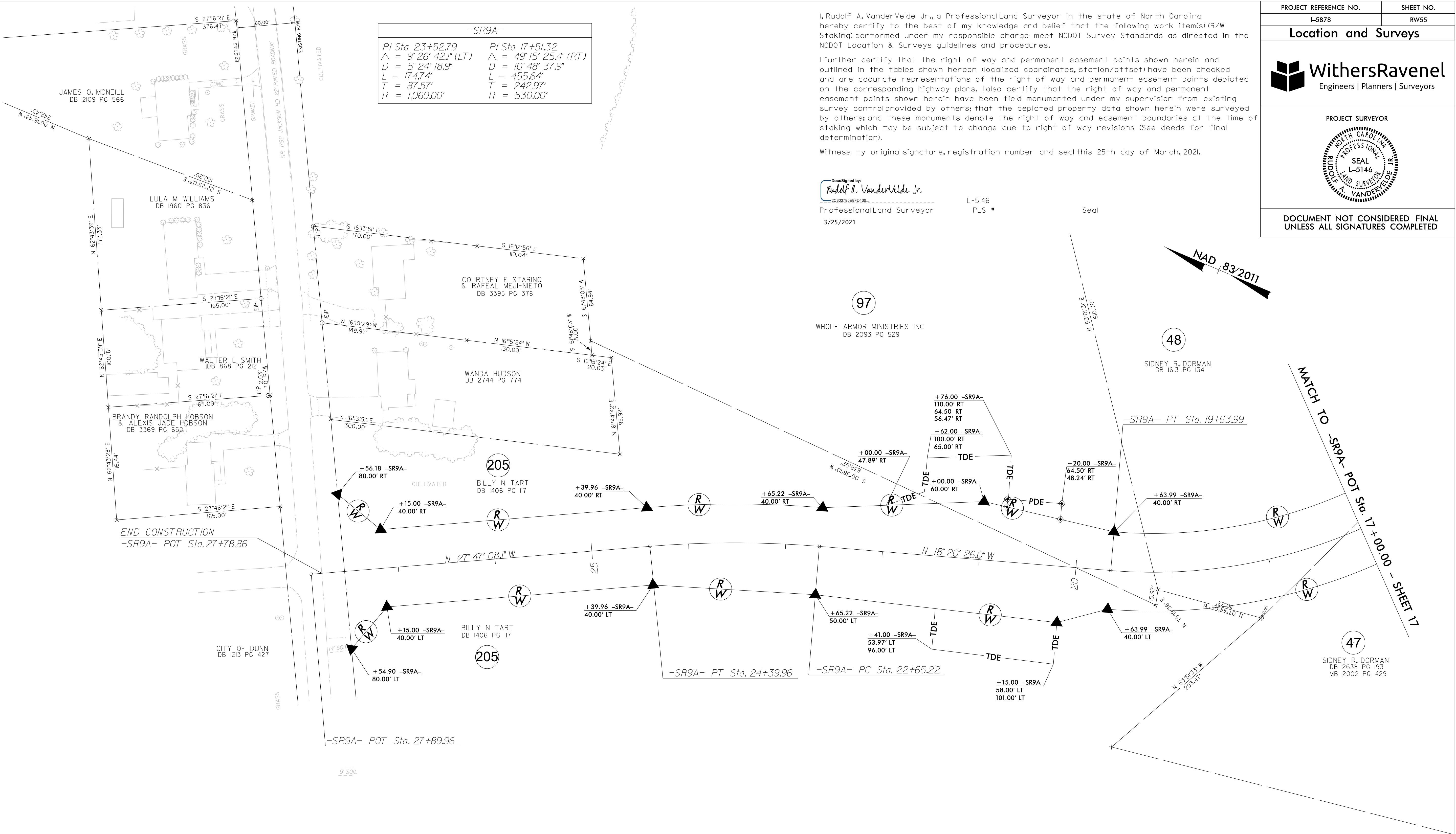
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway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

Witness my original signature, registration number and seal this 25th day of March, 2021.

DocuSigned by:
Rudolf H. VanderVelde Jr.
2C303795E8FD436
Professional Land Surveyor
3/25/2021

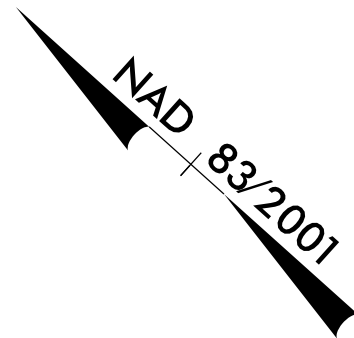
L-5146
PLS

Seal



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 FROM FEBRUARY 2020 TO MARCH 2020.



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 FROM MARCH 2021 TO APRIL 2021.

6/2/99

25-MAR-2021\10:14
k:\19\0909090\19090905_24-I-5878 RW Stakeout\Geomatics\NCD00T\Drawings\RW Sheets - 3-23-21\I-5878_ls-rw56.dgn
vanderVelde AT WR1701

REVISIONS

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

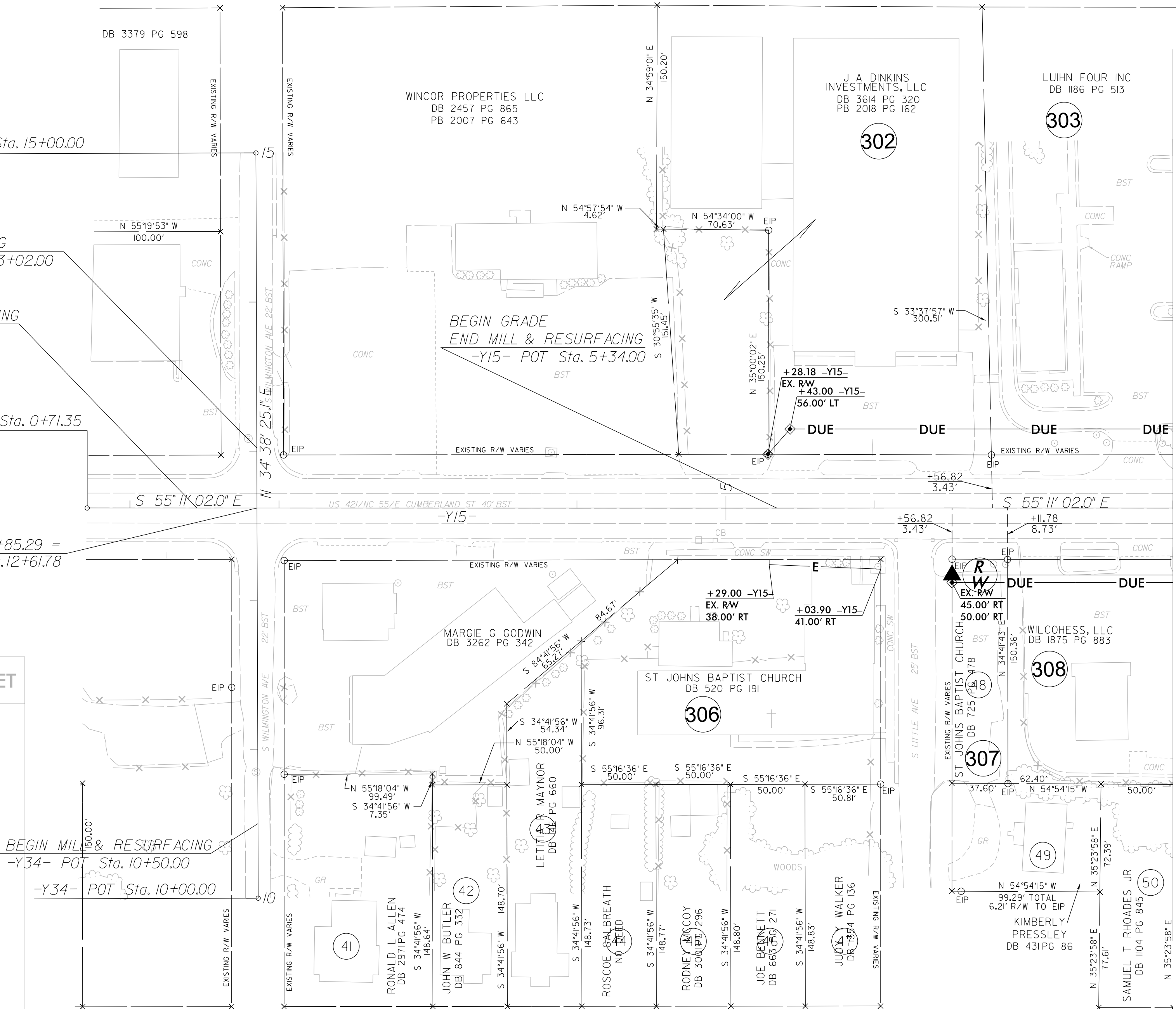
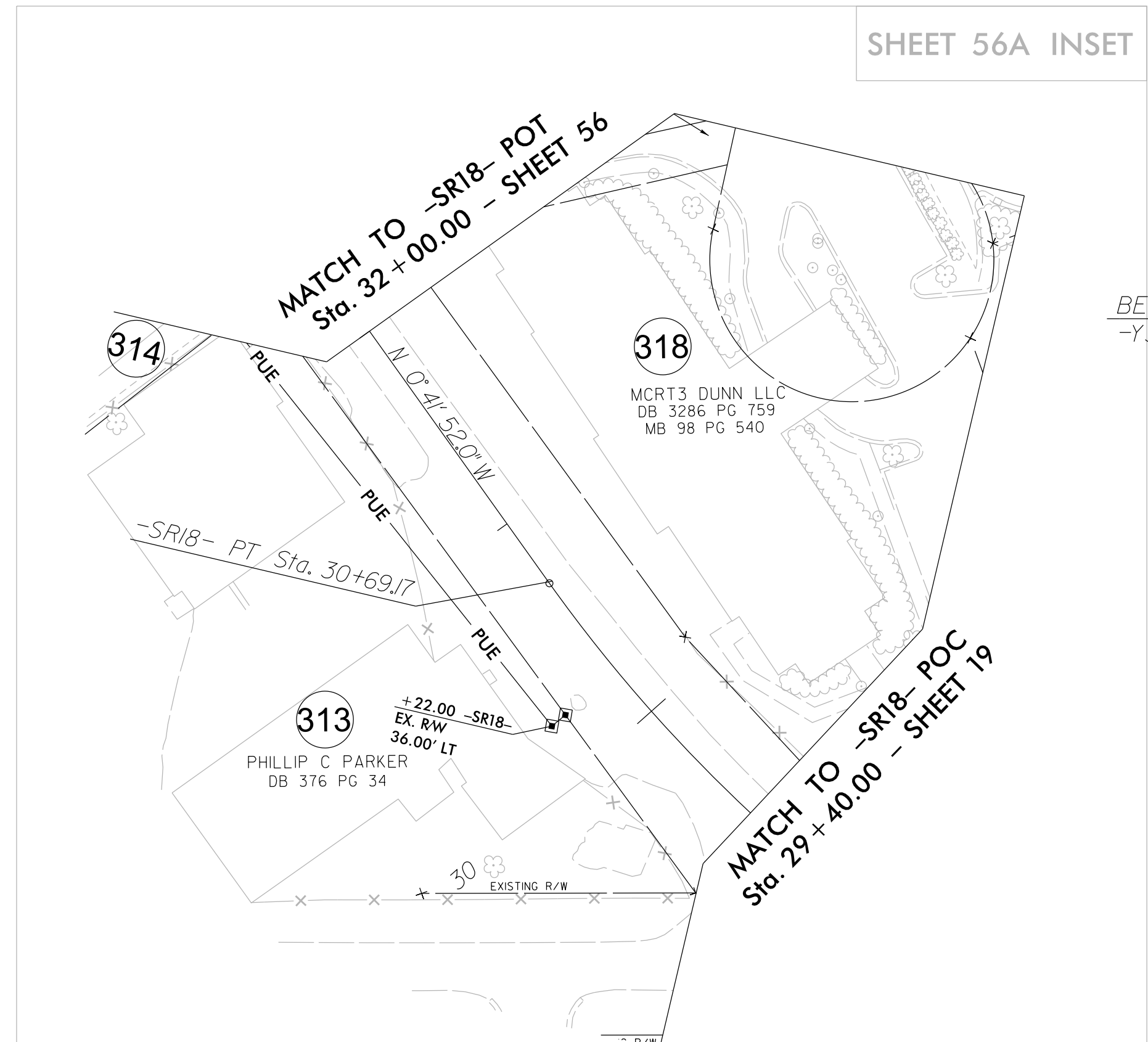
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway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

Witness my original signature, registration number and seal this 25th day of March, 2021.

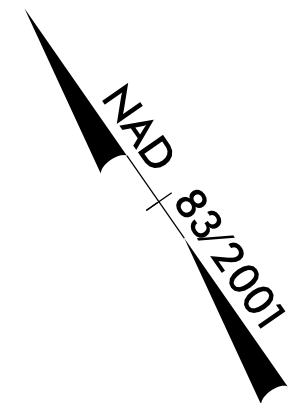
DocuSigned by:
Rudolf A. VanderVelde Jr.
20200795E8FD436
Professional Land Surveyor
3/25/2021

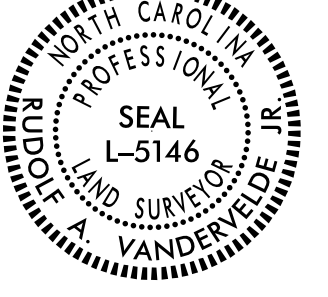
L-5146
PLS #

Seal



MATCH TO -Y15- POT Sta. 8+00.00 - SHEET 56



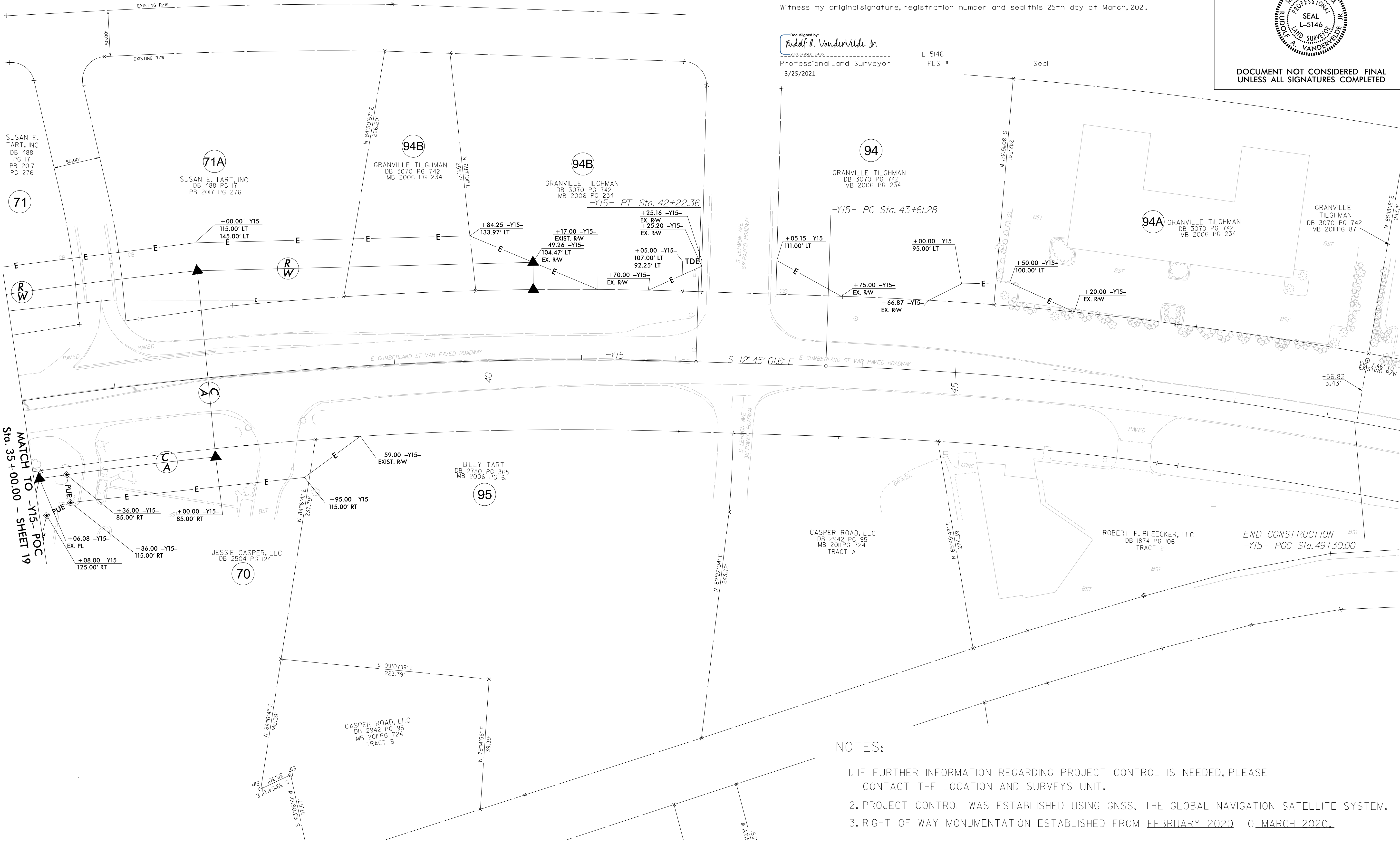
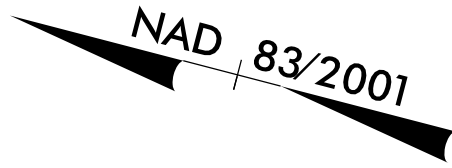
PROJECT REFERENCE NO.	SHEET NO.
I-5878	RW56A
Location and Surveys	
 WithersRavenel Engineers Planners Surveyors	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM MARCH 2021 TO APRIL 2021.

REVISIONS

-Y15-		
PI Sta. 38+05.01 Δ = 12° 00' 00.1" (RT) D = 1° 25' 56.6" L = 837.76' T = 420.42' R = 4,000.00'	PI Sta. 46+74.39 Δ = 9° 12' 39.1" (RT) D = 1° 28' 26.4" L = 624.89' T = 313.12' R = 3,887.07'	PI Sta. 51+44.51 Δ = 2° 42' 26.3" (RT) D = 0° 51' 18.0" L = 316.64' T = 158.35' R = 6,701.26'



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

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked 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 25th day of March, 2021.

Designed by:
Rudolf A. VanderVelde Jr.
Professional Land Surveyor
3/25/2021

L-5146
PLS #

Seal

PROJECT REFERENCE NO.	SHEET NO.
I-5878	RW57
Location and Surveys	
 Engineers Planners Surveyors	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

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

REVISIONS

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

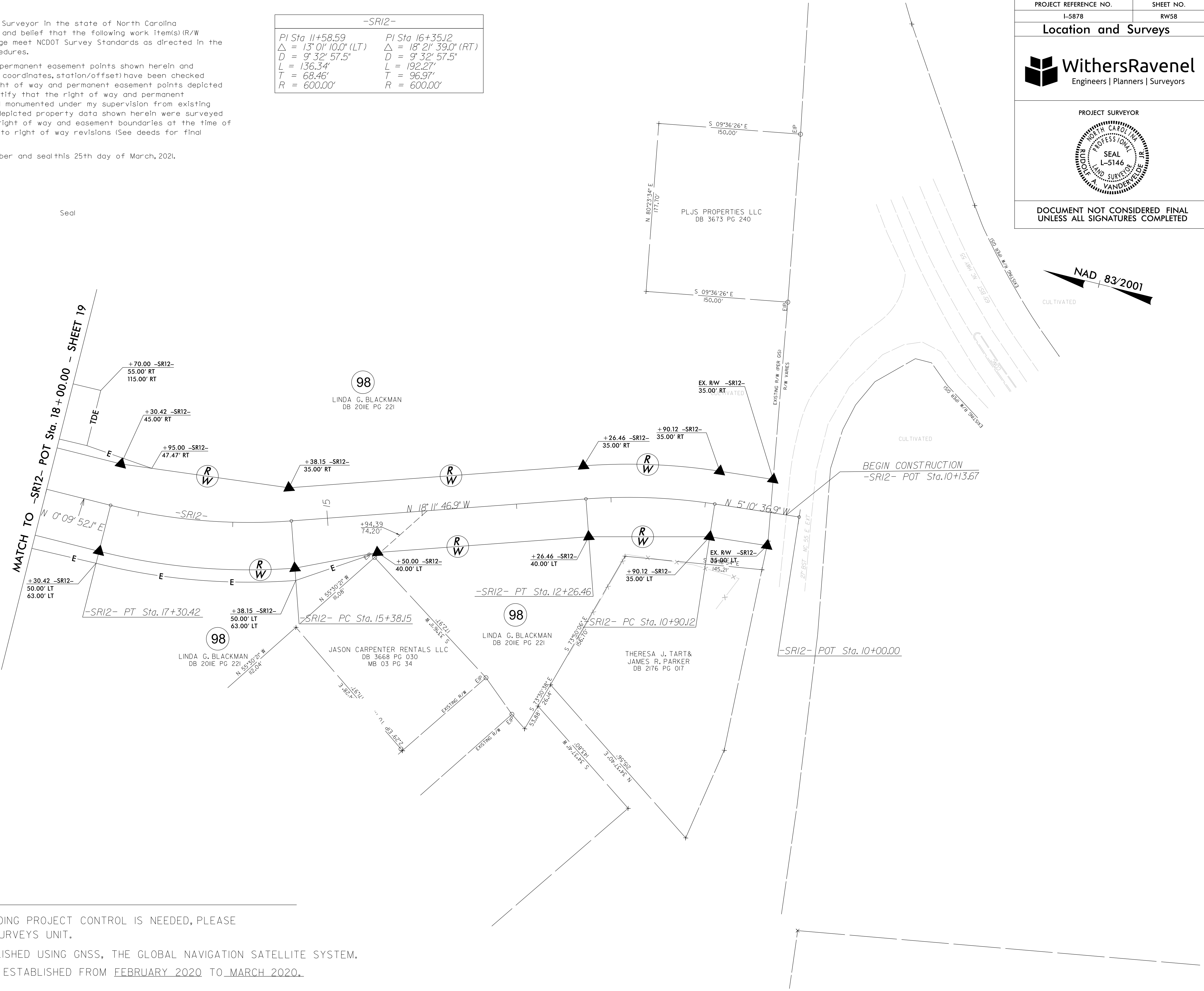
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway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

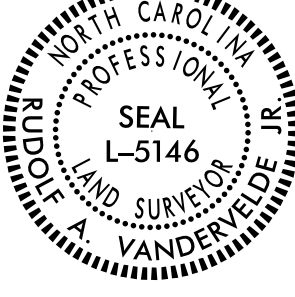
Witness my original signature, registration number and seal this 25th day of March, 2021.

DocuSigned by:
Rudolf A. VanderVelde Jr.
20200705E6FD430
Professional Land Surveyor
3/25/2021

L-5146
PLS #
Seal

-SR12-	
PI Sta 11+58.59 Δ = 13° 01' 10.0" (LT) D = 9° 32' 57.5" L = 136.34' T = 68.46' R = 600.00'	PI Sta 16+35.12 Δ = 18° 21' 39.0" (RT) D = 9° 32' 57.5" L = 192.27' T = 96.97' R = 600.00'



PROJECT REFERENCE NO.	SHEET NO.
I-5878	RW58
Location and Surveys	
 Engineers Planners Surveyors	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO MARCH 2020.

09/08/19

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5883	RW01	24
I-5883	53083.2.2	NHPP-0095(033)74	RW & UTIL

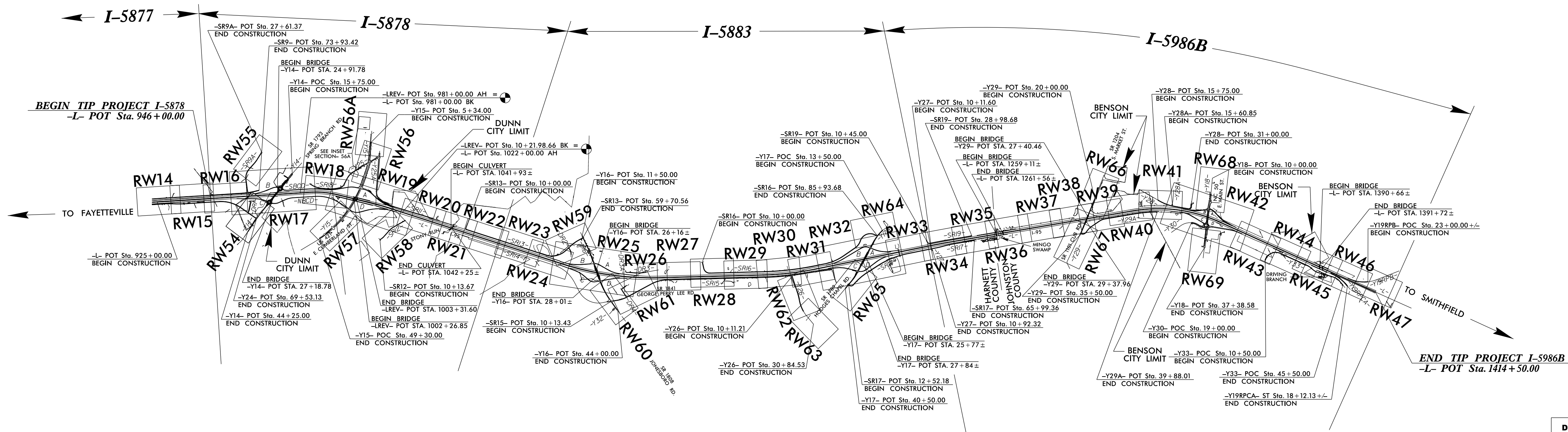
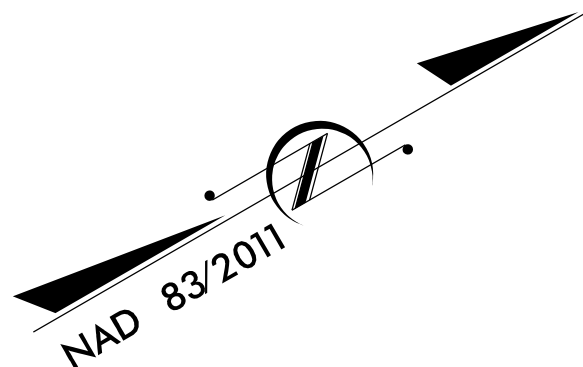
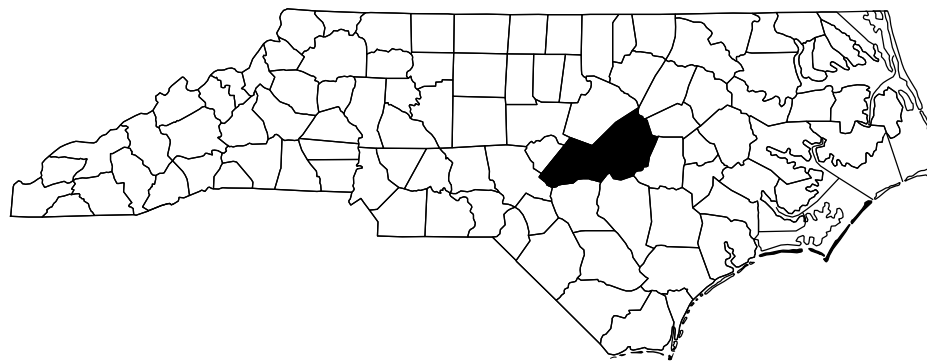
TIP PROJECT: I-5883

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

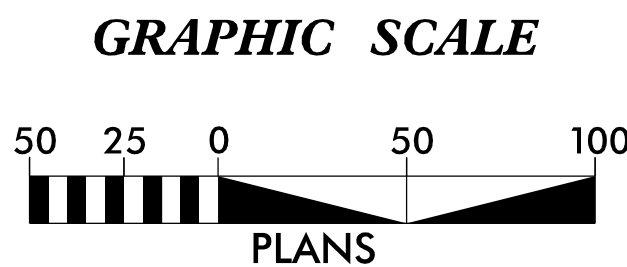
HARNETT AND JOHNSTON COUNTIES

LOCATION: I-95 FROM NORTH OF SR 1002 (LONG BRANCH ROAD)
(EXIT 71) TO I-40 (EXIT 81). WIDEN TO EIGHT LANES.

TYPE OF WORK: GRADING, PAVING, DRAINAGE, SIGNALS, CULVERTS,
AND STRUCTURES



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DATUM DESCRIPTION
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCDOT FOR MONUMENT "I-5878-4"
WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 559,118.126(ft) EASTING: 2,119,018.783(ft)
ELEVATION: 189.96(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 0.999869137127
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"I-5878-4" TO -L- STATION 946+00.00 IS
S 87°57'39" W 2063.45'(ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88 GEOID G12NC

I-5883 R/W Sheets Prepared in the Office of:

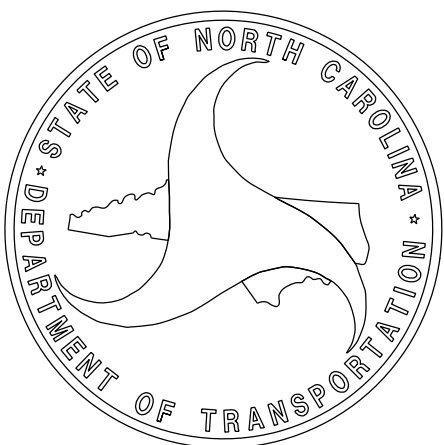


2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
AUGUST 16, 2019

LETTING DATE:
OCTOBER 20, 2020

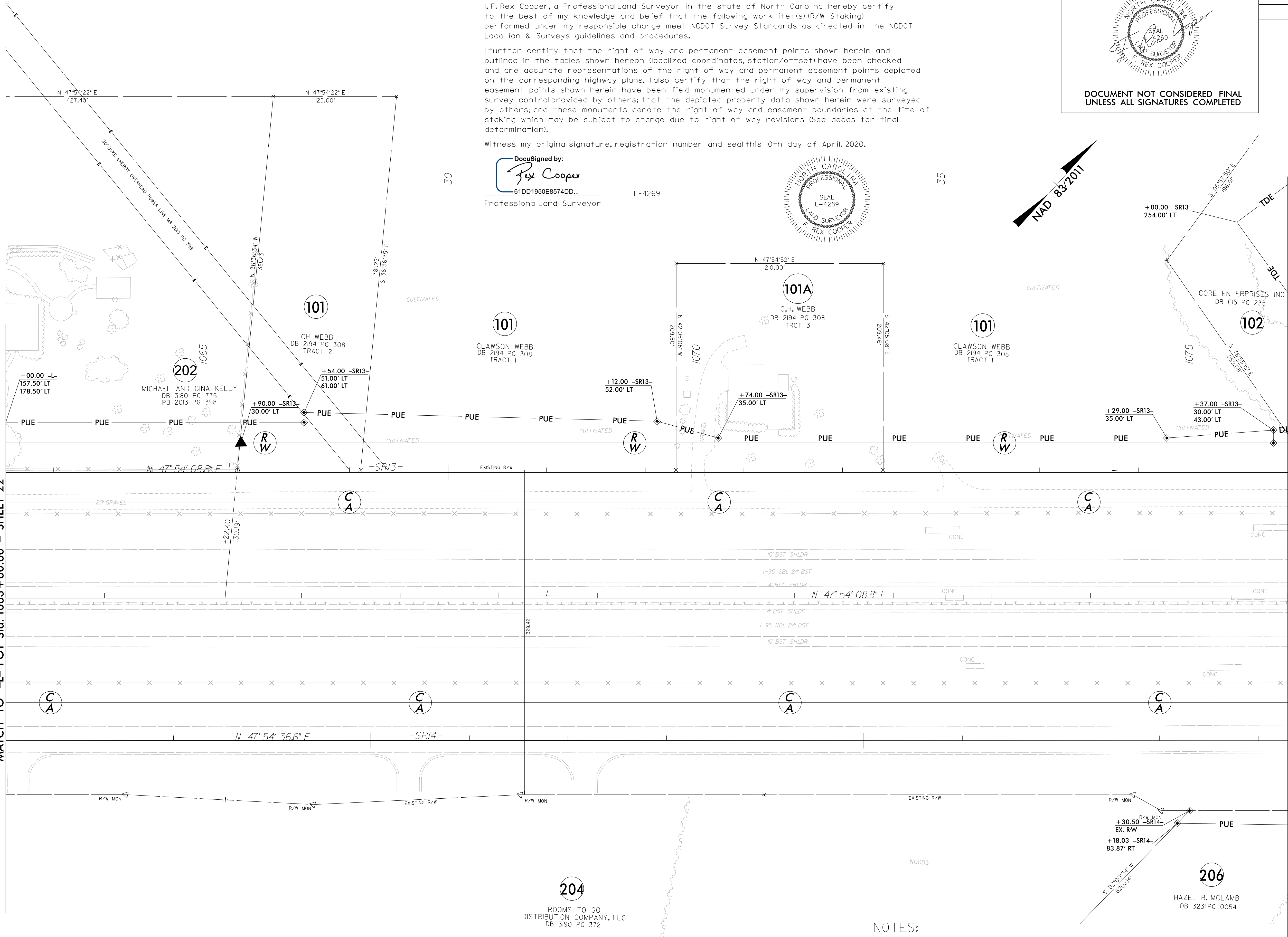
DocuSigned by:
Rex Cooper
61DD1950E8574DD...
SIGNATURE: Date: 4/10/2020



REVISIONS

END TIP I-5878 /BEGIN TIP I-5883
MATCH TO -L- POT Sta. 1063+00.00 - SHEET 22

MATCH TO -L- POT Sta. 1076+00.00 - SHEET 24



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

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

Witness my original signature, registration number and seal this 10th day of April, 2020.

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



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
I-5883	RW23
Location and Surveys	
 801 JONES FRANKLIN ROAD RALEIGH, NC 27606 KIDNEY RD. 104072 www.stantec.com	

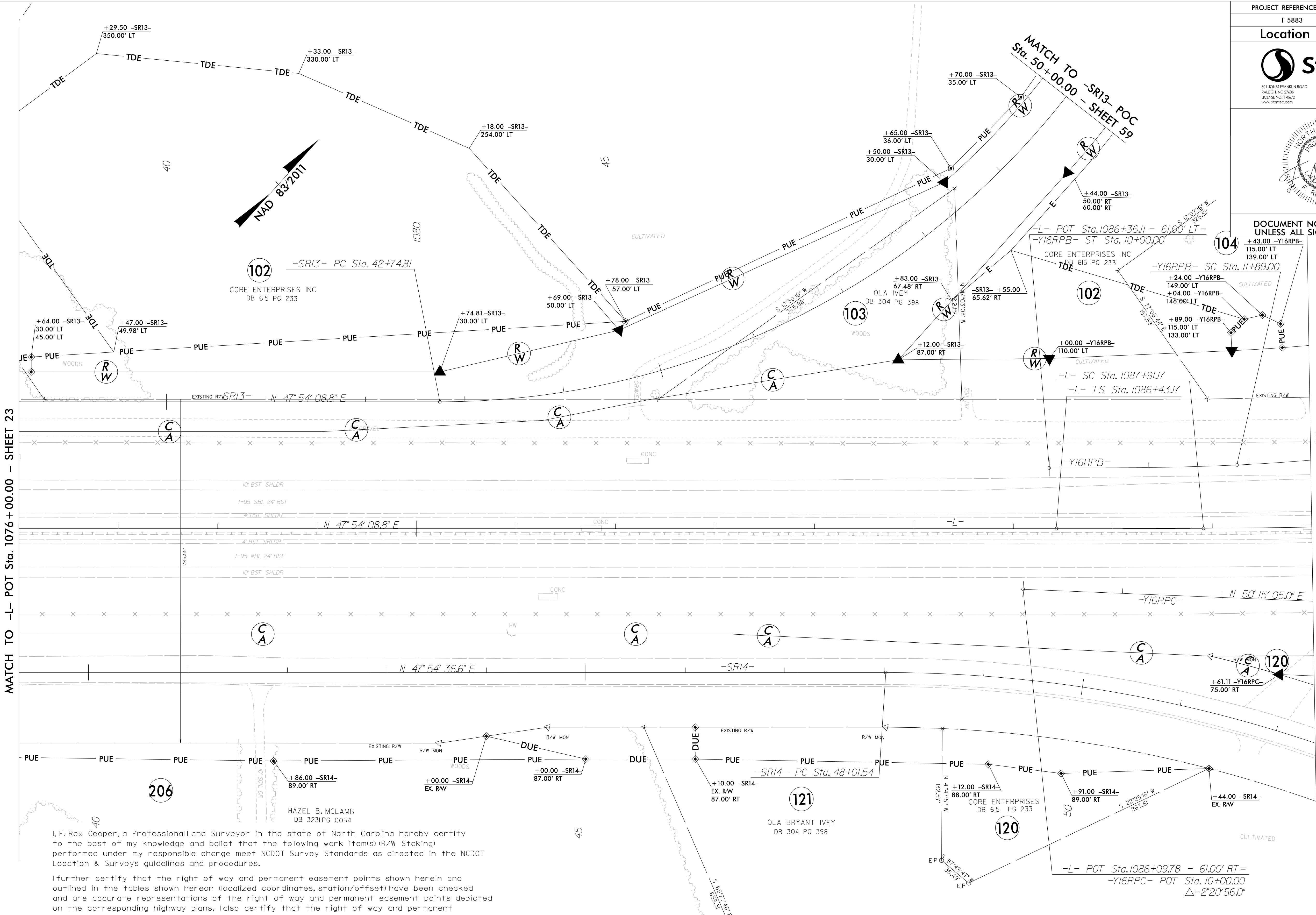
NOTES:

- 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.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020.

6/2/99

I:\495-2020_17501\1784\active\external\exports\20041011-5986B.1s_rw24_200410.dgn
bukovnik AT BUKOVNIK I

REVISIONS



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

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

Witness my original signature, registration number and seal this 10th day of April, 2020.

DocuSigned by:

61DD1950E8574DD...
Professional Land Surveyor

L-4269



NOTES:

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

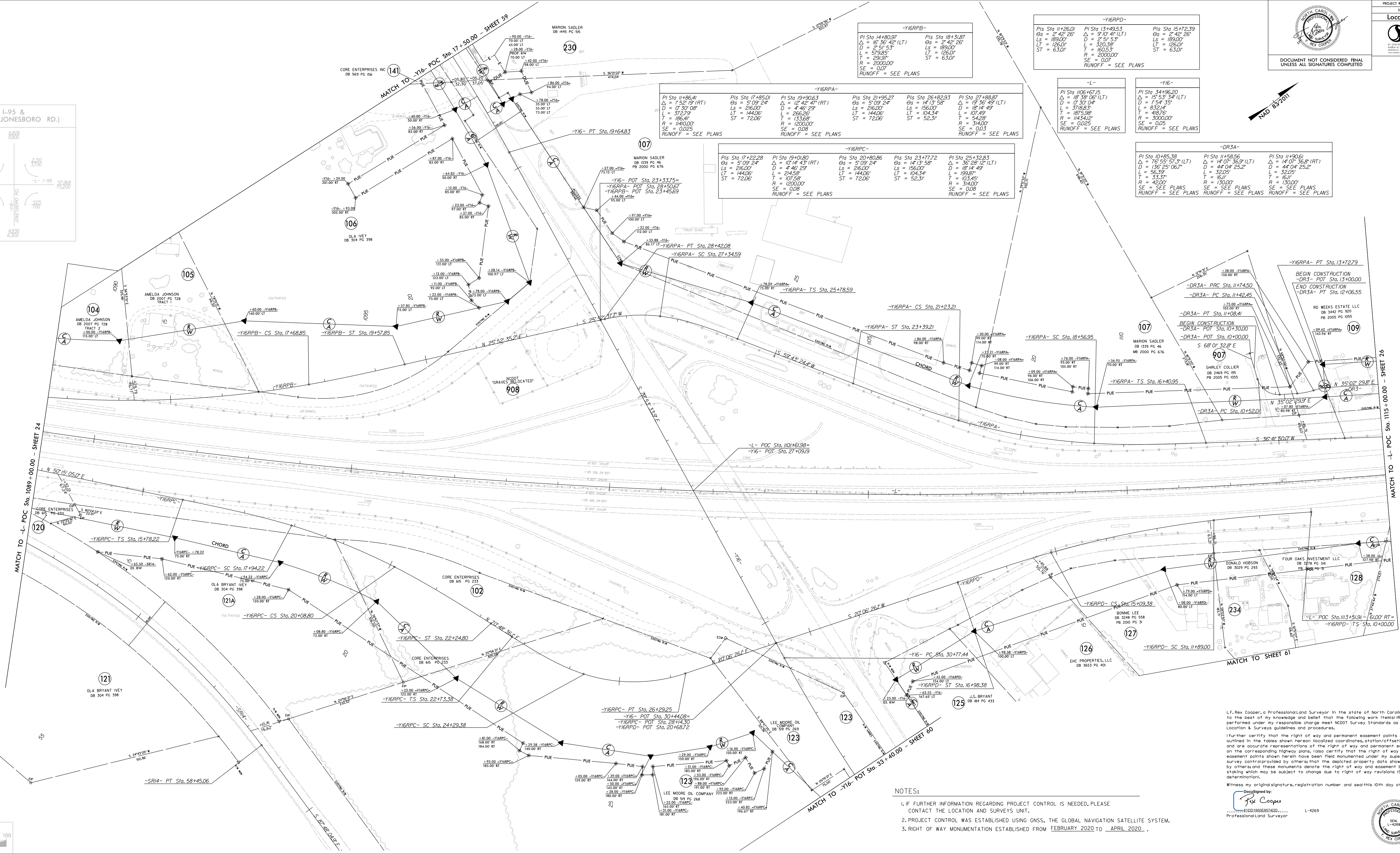
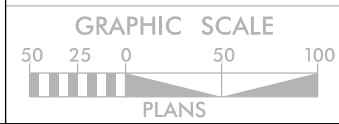
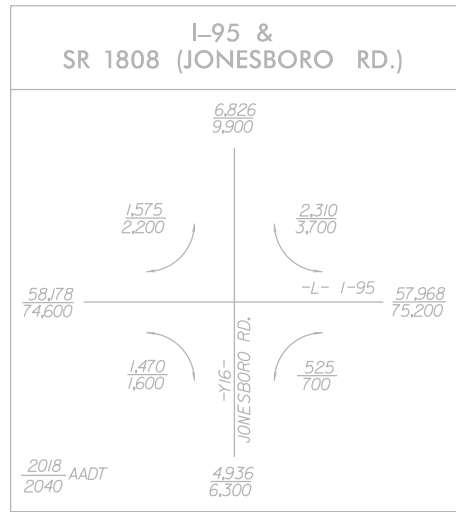
PROJECT REFERENCE NO.	SHEET NO.
I-5883	RW24
Location and Surveys	
 801 JONES FRANKLIN ROAD RALEIGH, NC 27606 USCENS# NO. 740472 www.stantec.com	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MATCH TO -L- POC Sta. 1089+00.00 - SHEET 25

6/2/99

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.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020.

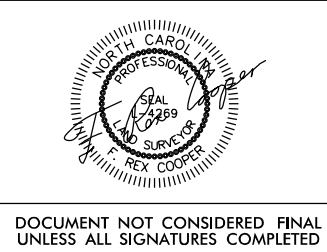
I, Rev. Cooper, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work (Items 10/10 Staking) performed under my responsible charge meet NCOS Survey Standards as directed in the NCOS Location & Surveys guidelines and procedures.

Further certify that the right of way and permanent easement points shown herein and outlined in the tables shown herein located coordinates, station/offsets 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 points 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 10th day of April, 2020.

Designed by:
Rev. Cooper
Professional Land Surveyor

L-4269



PROJECT REFERENCE NO.
L-3863

SHEET NO.
6927

Location and Surveys

Stantec

REVISIONS

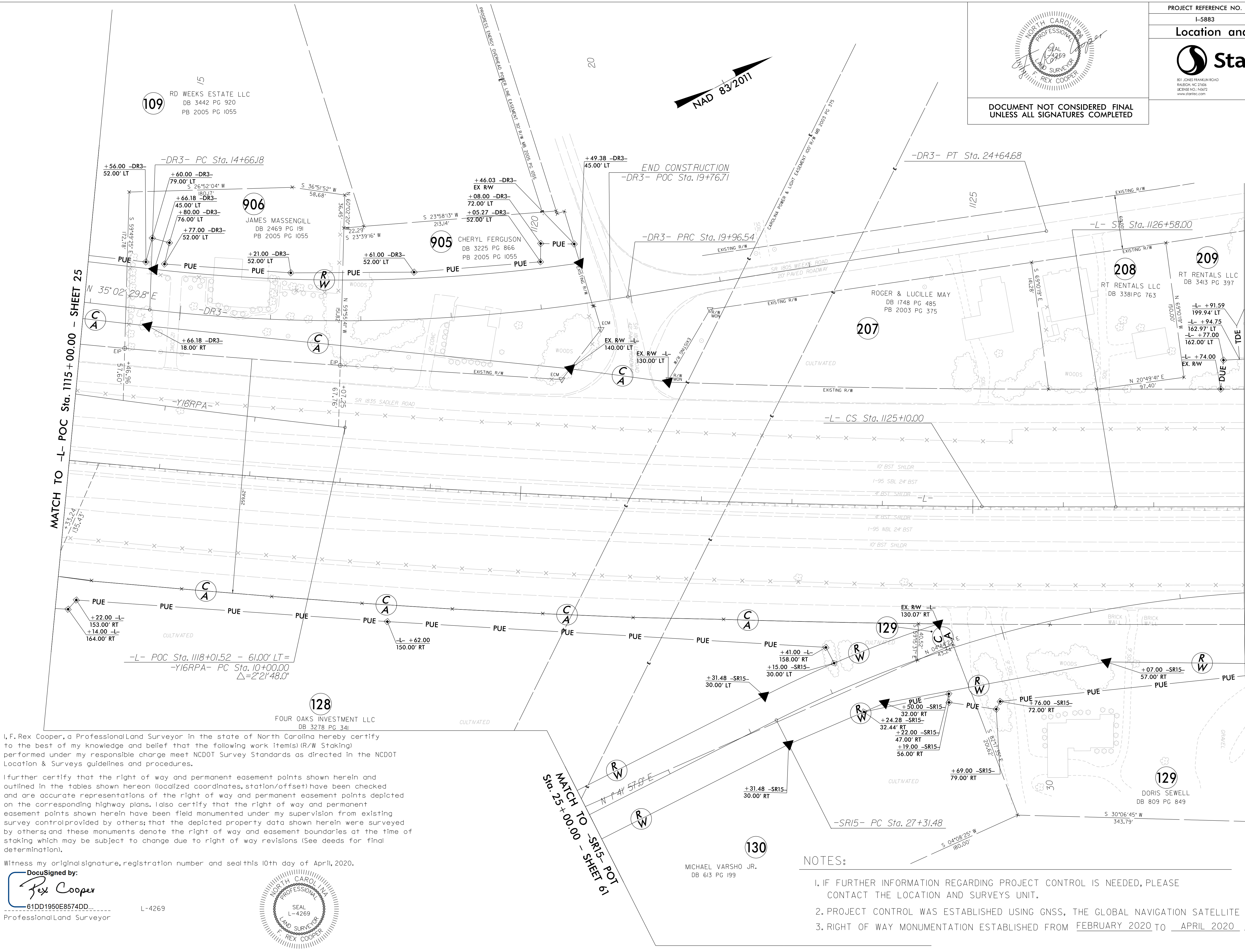
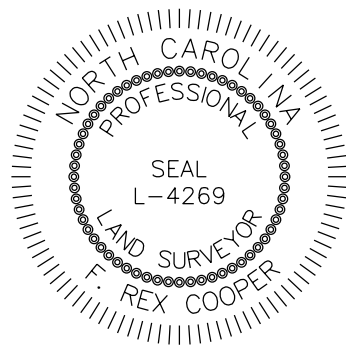
I, F. Rex Cooper, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and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

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

Witness my original signature, registration number and seal this 10th day of April, 2020.

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

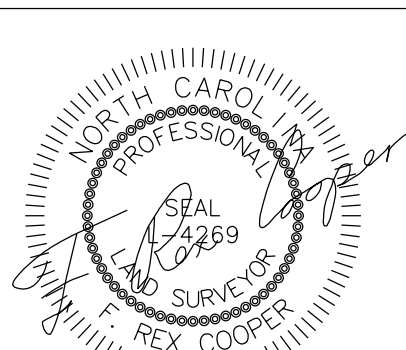
L-4269



MICHAEL VARSHO JR.
DB 613 PG 199

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.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020.



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
I-5883	RW26
Location and Surveys	
 801 JONES FRANKLIN ROAD RALEIGH, NC 27606 PHONE NO. 704.972.1100 www.stantec.com	

REVISIONS

DB 1882 PG 50b

MICHAEL JERNIGAN
DB 3232 PG 417

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

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Witness my original signature, registration number and seal this 10th day of April, 2020.

DocuSigned by:

 61DD1950E8574DD...
 Professional Land Surveyor
 L-4269



VOYD MCLAMB
LLOYD MCLAMB
DB 1882 PG 0586
TRACT 1

MCLAMB BURLINE HEIRS
DB 755 PG 552

MATCH TO -L- POT Sta. 1128+00.00 - SHEET 26

MATCH TO -L- POT Sta. 1141 + 00.00 - SHEET 28

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE
CONTACT THE LOCATION AND SURVEYS UNIT. S 27°54'2
75.00"
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

<i>PI Sta 29+71.10</i>	<i>PI Sta 46+20.59</i>
$\Delta = 26^{\circ}49'36''$ (RT)	$\Delta = 8^{\circ}49'23.1''$ (LT)
$D = 4^{\circ}18'29''$	$D = 3^{\circ}49'11.0''$
$L = 622.73'$	$L = 230.99'$
$T = 317.18'$	$T = 115.72'$
$R = 1330.00'$	$R = 1500.00'$
$SE = 0.06$	$SE = 0.06$

-SR15-

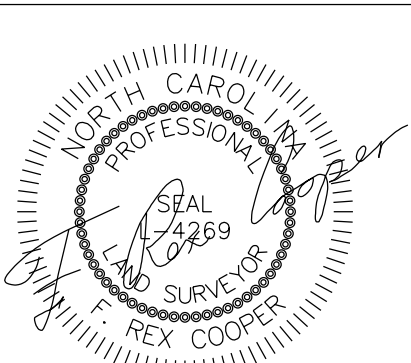
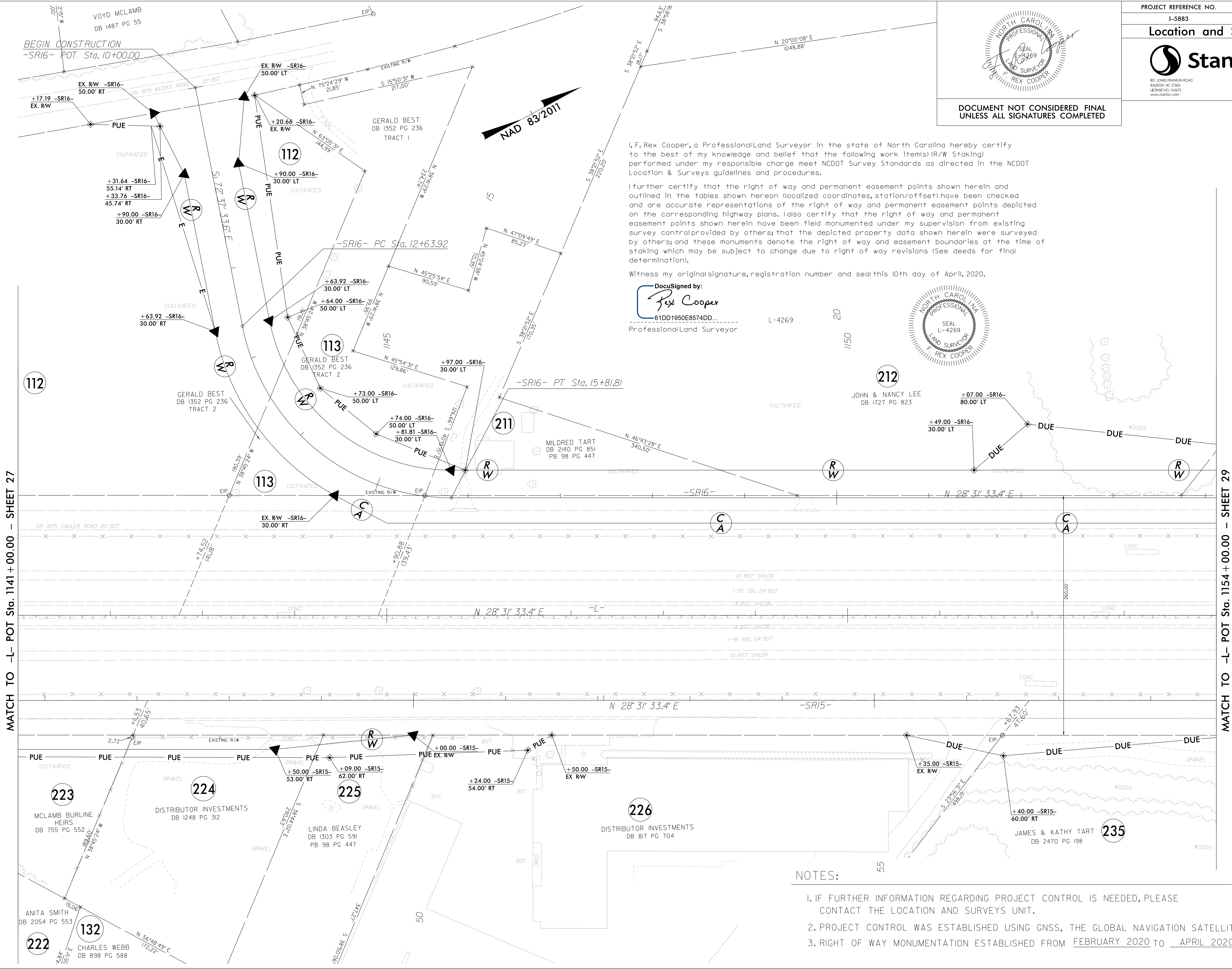
PROJECT REFERENCE NO.
I-5883

Location and Surveys



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

REVISIONS



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

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Witness my original signature, registration number and seal this 10th day of April, 2020.

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



- 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 FROM FEBRUARY 2020 TO APRIL 2020.

REVISIONS

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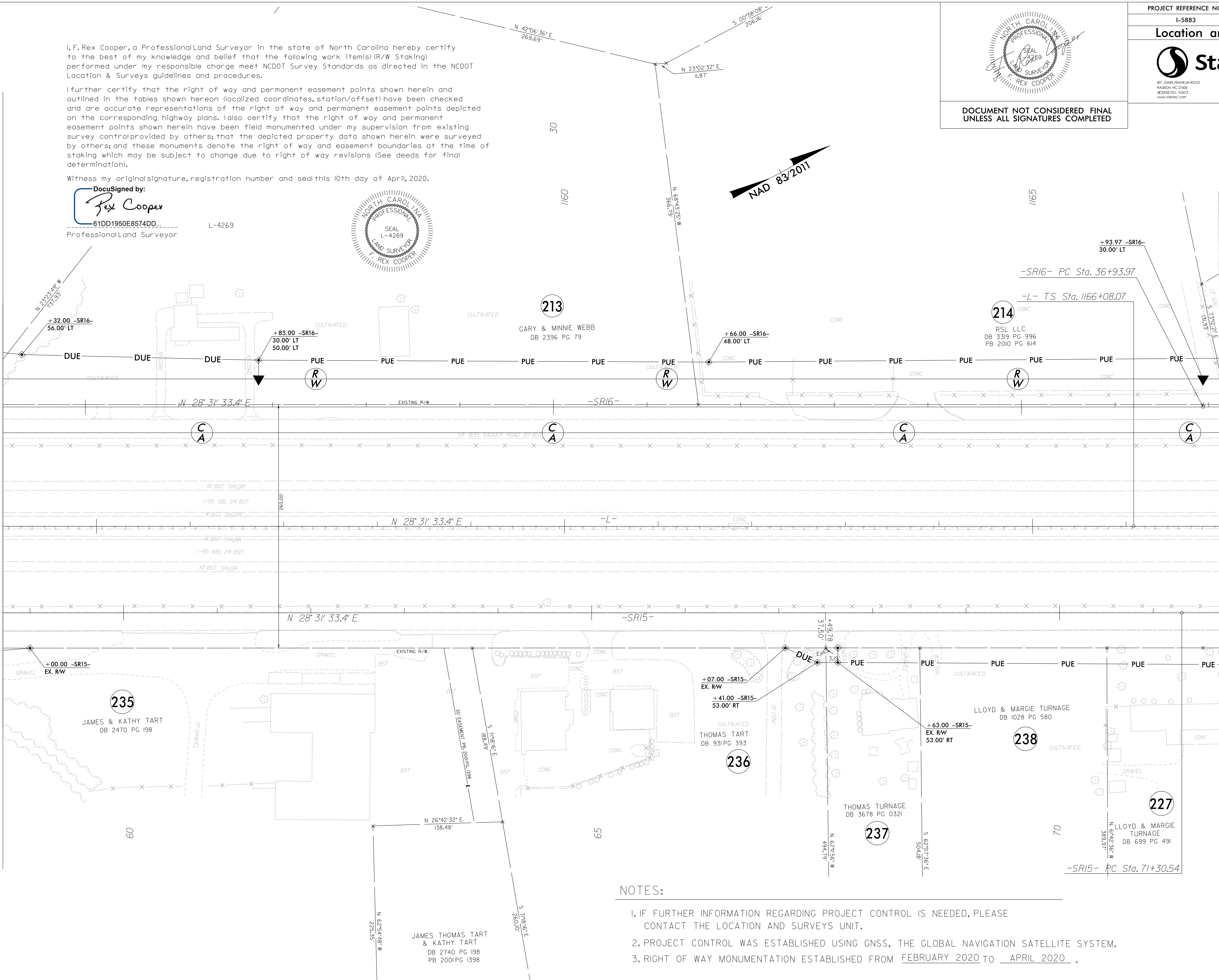
Witness my original signature, registration number and seal this 10th day of April, 2020.

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

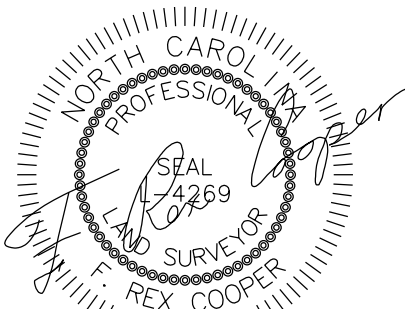
L-4269



MATCH TO -L- POT Sta. 1154+00.00 - SHEET 28



MATCH TO -L- POS Sta. 1167+00.00 - SHEET 30



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

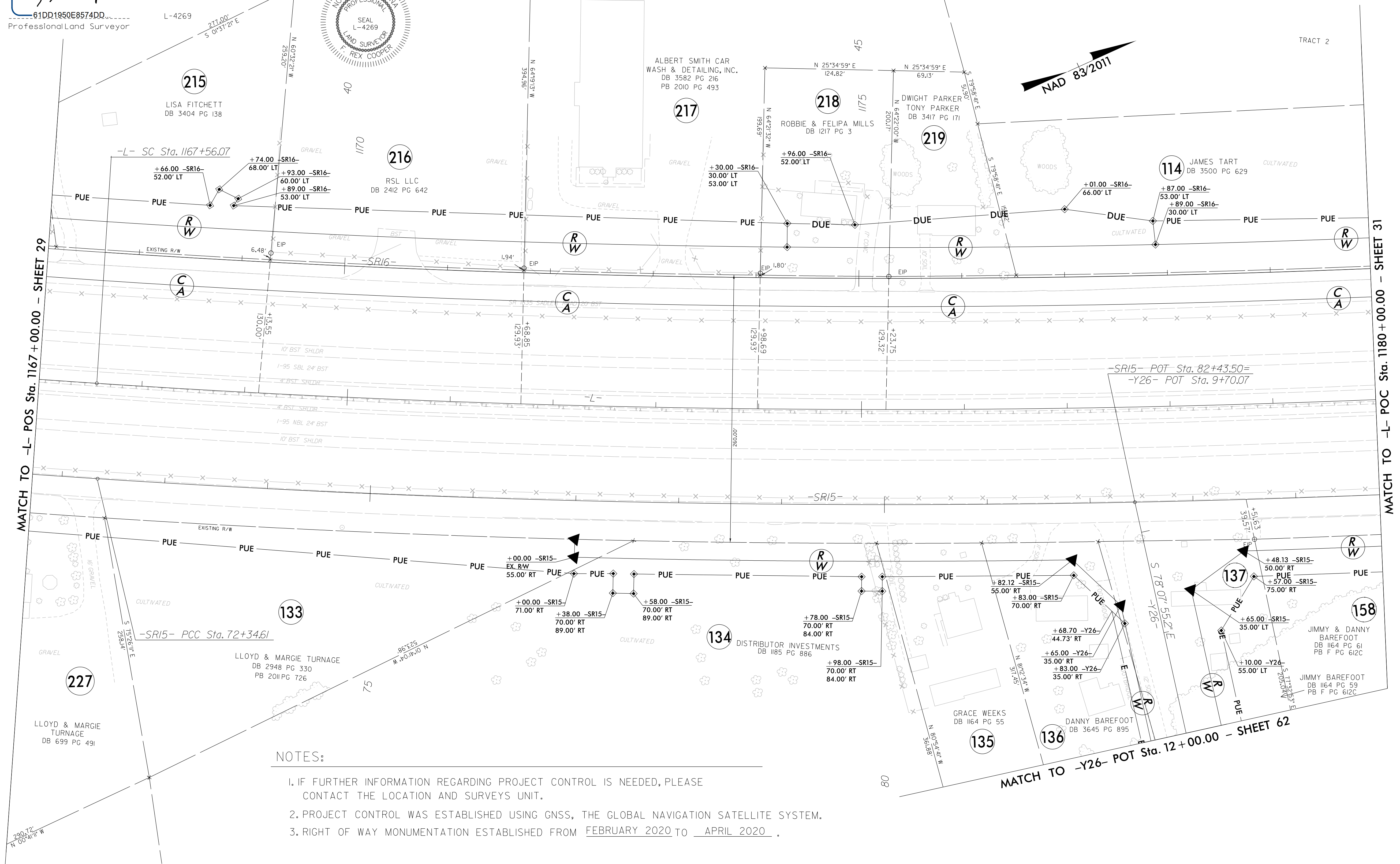
PROJECT REFERENCE NO.	SHEET NO.
I-5883	RW29
Location and Surveys	
 801 JONES FRANKLIN ROAD RALEIGH, NC 27606 USCENS: 101-74472 www.stantec.com	

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.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020 .

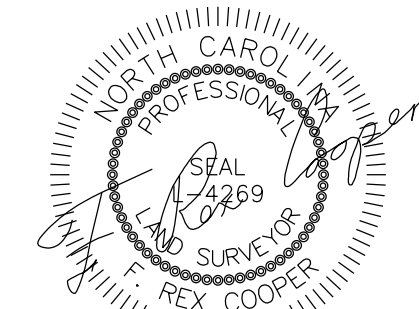
Witness my original signature, registration number and seal this 10th day of April, 2020.

The seal is circular with a double-lined border. The outer ring contains the text "NORTH CAROLINA" at the top and "F. REX COOPER" at the bottom. The inner ring contains the text "PROFESSIONAL" at the top and "LAND SURVEYOR" at the bottom. In the center of the seal, the word "SEAL" is positioned above the license number "L-4269".



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 FROM FEBRUARY 2020 TO APRIL 2020.



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
I-5883	RW30

Location and Surveys



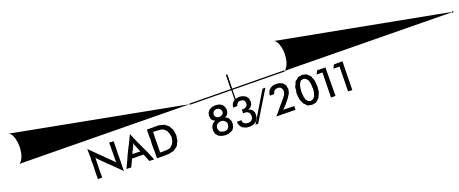
REVISIONS

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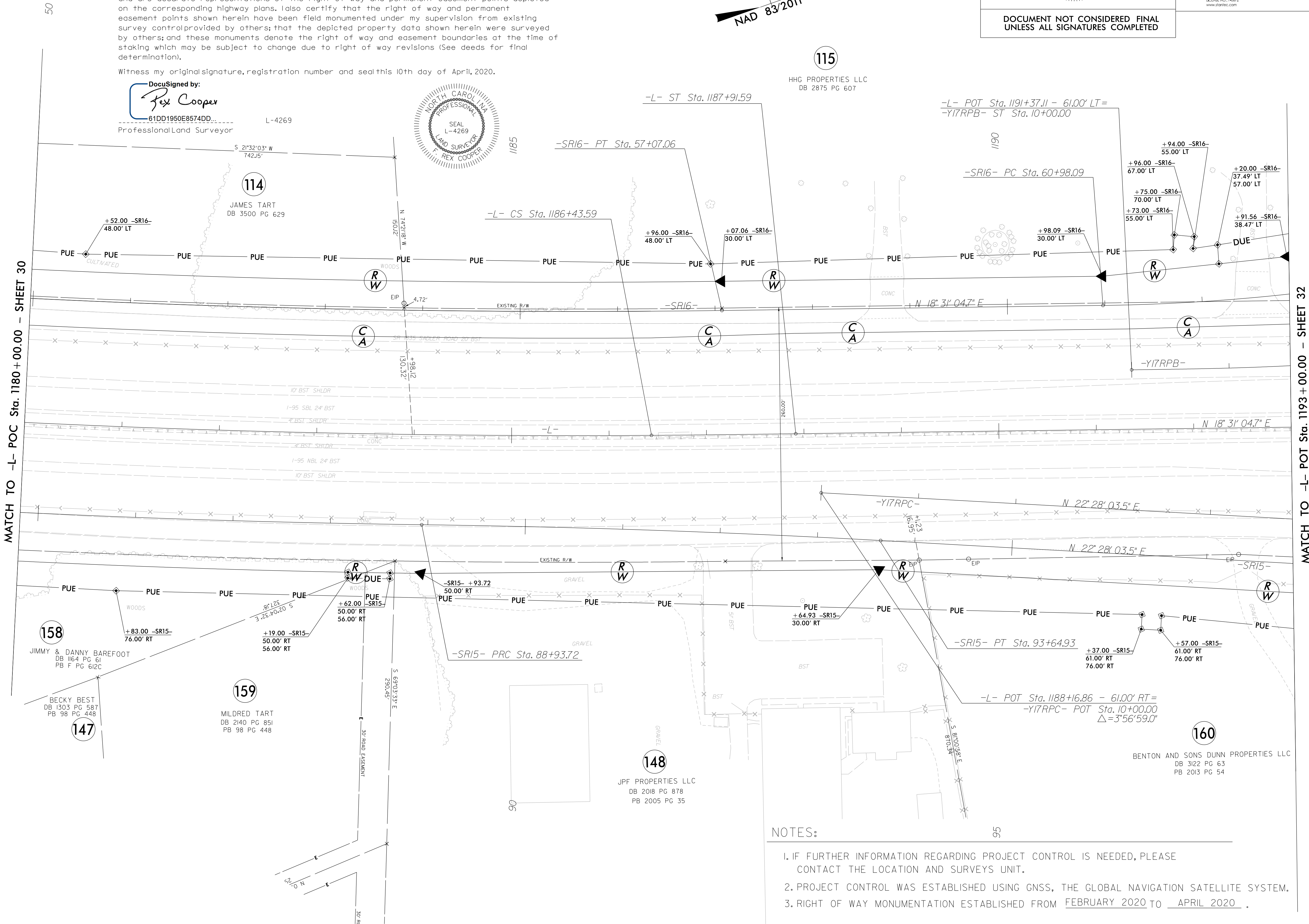
Witness my original signature, registration number and seal this 10th day of April, 2020.

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



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
I-5883	RW31
Location and Surveys	
 Stantec 801 JONES FRANKLIN ROAD RALEIGH, NC 27606 LICENSING NO. 164672 www.stantec.com	



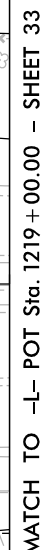
MATCH TO -|- POT \$10 1193 + 00 00 - SHEET 31

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown herein localized coordinates, station/offsets 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. 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 easements (See deeds for final determination).

.....61DD1950E857ADD..... L-4269
Professional Land Surveyor



WILLIAM DENNING
ELIZABETH BERRYHILL
DB 295 PG 167
PB 2010 PG 858



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 FROM FEBRUARY 2020 TO APRIL 2020.

FOR -L- PROFILE SEE SHEET 80 & 81
FOR -Y17- PROFILE SEE SHEET 112
FOR -Y17RPA- PROFILE SEE SHEET 113
FOR -Y17RPB- PROFILE SEE SHEET 114
FOR -Y17RPC- PROFILE SEE SHEET 115
FOR -Y17RPD- PROFILE SEE SHEET 116
FOR -SR15- PROFILE SEE SHEET 123
FOR -SR16- PROFILE SEE SHEET 125 & 126
FOR -SR17- PROFILE SEE SHEET 126 & 127

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

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Witness my original signature, registration number and seal this 10th day of April, 2020.

DocuSigned by:
Rex Cooper
61DD1950E8574DD
Professional Land Surveyor

L-4269



-SR13-	
PI Sta 47+43.27 Δ = 60° 42' 15" (LT) D = 7° 09' 43" L = 847.59' T = 468.46' R = 800.00' SE = 0.06 RUNOFF = SEE PLANS	PI Sta 55+83.08 Δ = 14° 06' 04" (RT) D = 4° 18' 29" L = 327.33' T = 164.50' R = 1330.00' SE = 0.06 RUNOFF = SEE PLANS

-Y16-	
PI Sta 18+27.51 Δ = 5° 14' 55" (RT) D = 1° 54' 35" L = 274.82' T = 137.51' R = 3000.00' SE = 0.05 RUNOFF = SEE PLANS	

-DR2-	
PI Sta 11+55.58 Δ = 45° 54' 15" (RT) D = 16° 22' 13" L = 280.41' T = 148.22' R = 350.00' SE = 0.04 RUNOFF = SEE PLANS	



PROJECT REFERENCE NO.	SHEET NO.
I-5883	RW59
Location and Surveys	
 801 JONES FRANKLIN ROAD RALEIGH, NC 27606 LICENSE NO. 164672 www.stantec.com	

NAD 83/2011

MATCH TO -SR13- POT
Sta. 50+00.00 - SHEET 24

MATCH TO -Y16- POC Sta. 17+50.00 - SHEET 25

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.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020 .

NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020 .

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Witness my original signature, registration number and seal this 10th day of April, 2020.

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



PROJECT REFERENCE NO.
I-5883

SHEET NO.
RW60

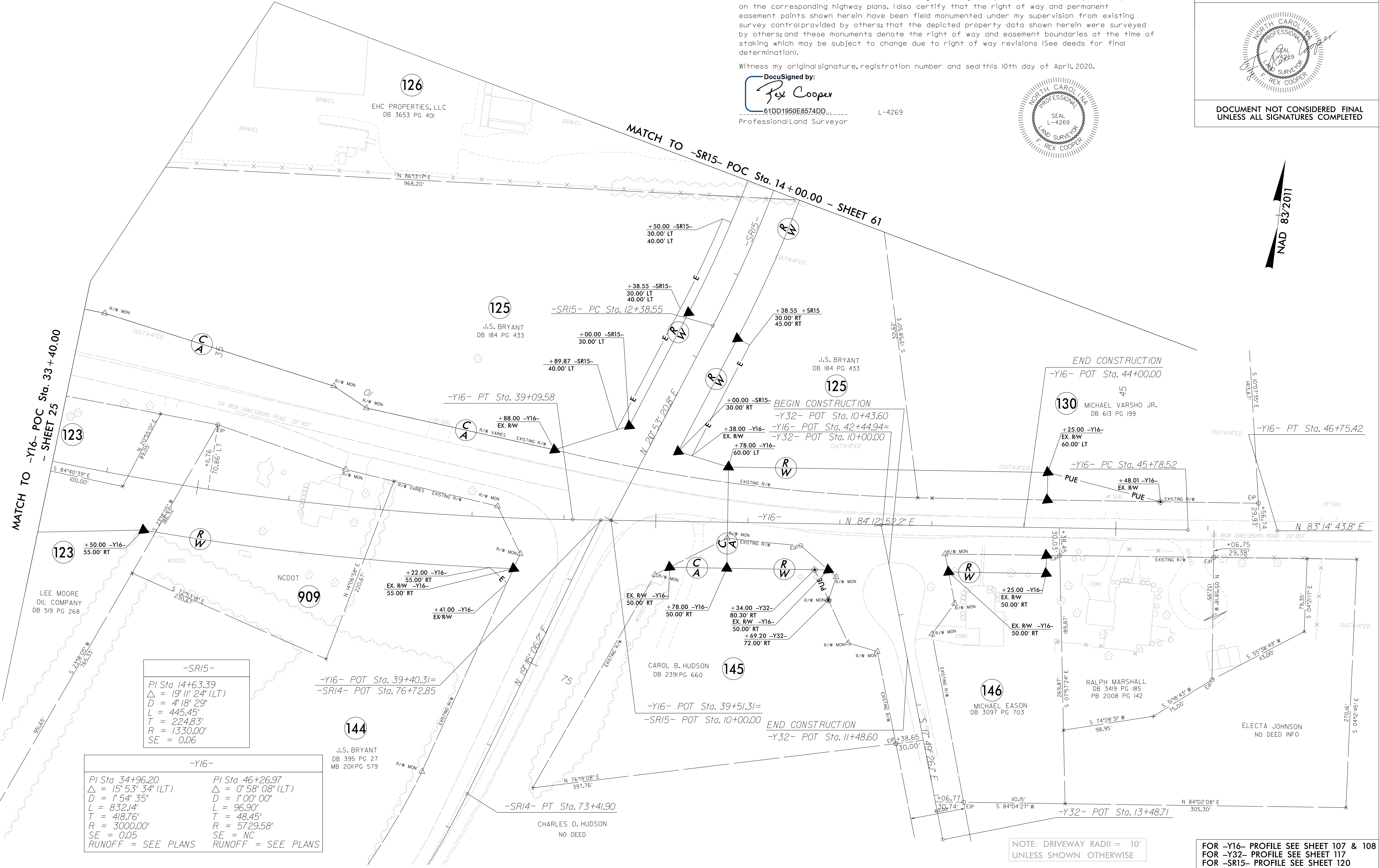
Location and Surveys

801 JONES FRANKLIN ROAD
RALEIGH, NC 27606
LICENSING NO. F-64072
www.stantec.com

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



REVISIONS



-SR15-	
PI Sta 14+63.39	
Δ = 19° 11' 24" (LT)	
D = 4' 18' 29"	
L = 445.45'	
T = 224.83'	
R = 1330.00'	
SE = 0.06	

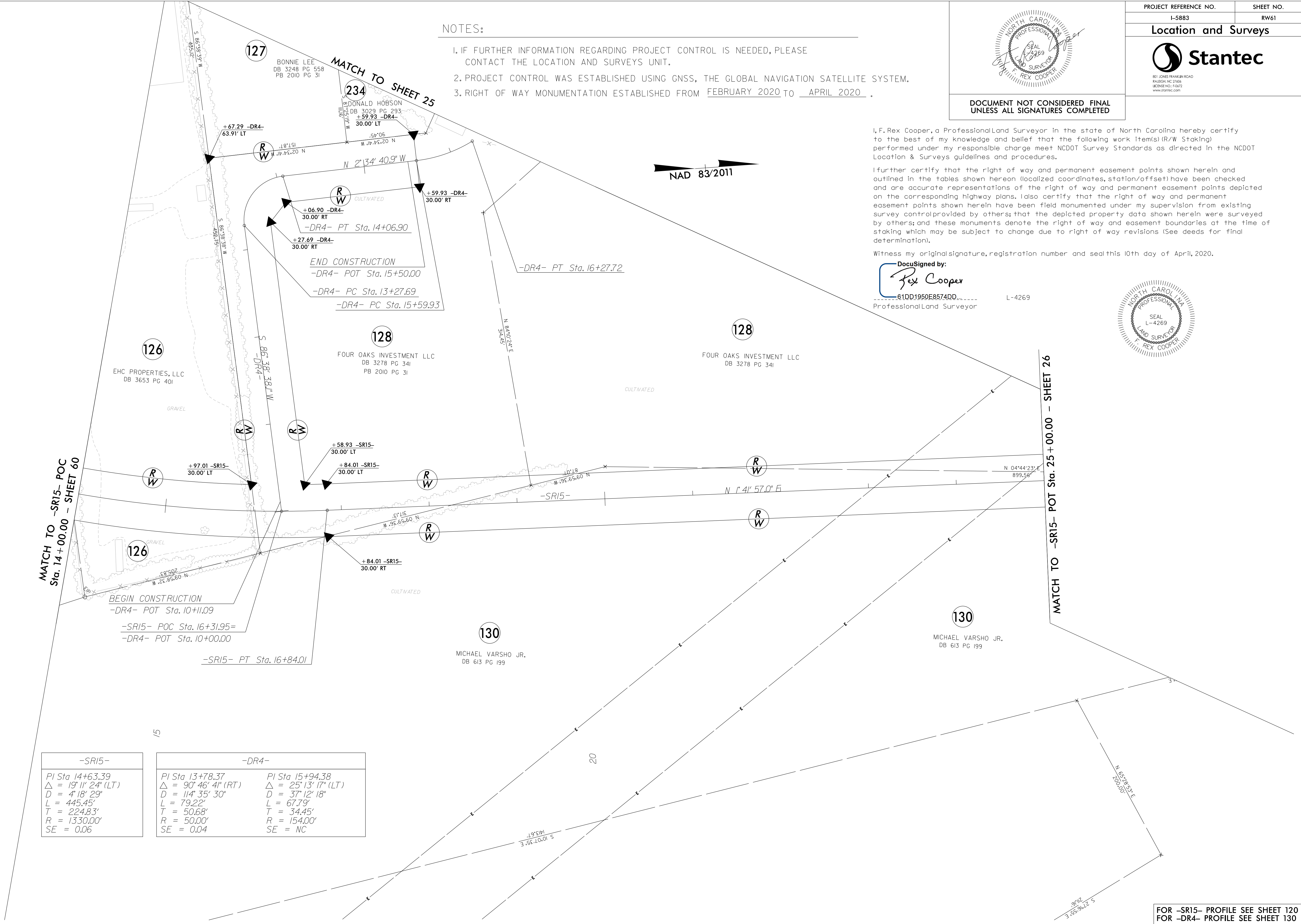
-Y16-	
PI Sta 34+96.20	PI Sta 46+26.97
Δ = 15° 53' 34" (LT)	Δ = 0° 58' 08" (LT)
D = 1' 54' 35"	D = 1' 00' 00"
L = 832.14'	L = 96.90'
T = 418.76'	T = 48.45'
R = 3000.00'	R = 5729.58'
SE = 0.05	SE = NC
RUNOFF = SEE PLANS	RUNOFF = SEE PLANS

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -Y16- PROFILE SEE SHEET 107 & 108
FOR -Y32- PROFILE SEE SHEET 117
FOR -SR15- PROFILE SEE SHEET 120

I:\199-2020_17103\171784\active\external\exports\20041011-5986B_1s-rw60_200410.dgn
171784\active\external\exports\20041011-5986B_1s-rw60_200410.dgn
171784\active\external\exports\20041011-5986B_1s-rw60_200410.dgn

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.
 - 3. RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020 .



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F. Rex Cooper

61DD1950E8574DD
Professional Land Surveyor

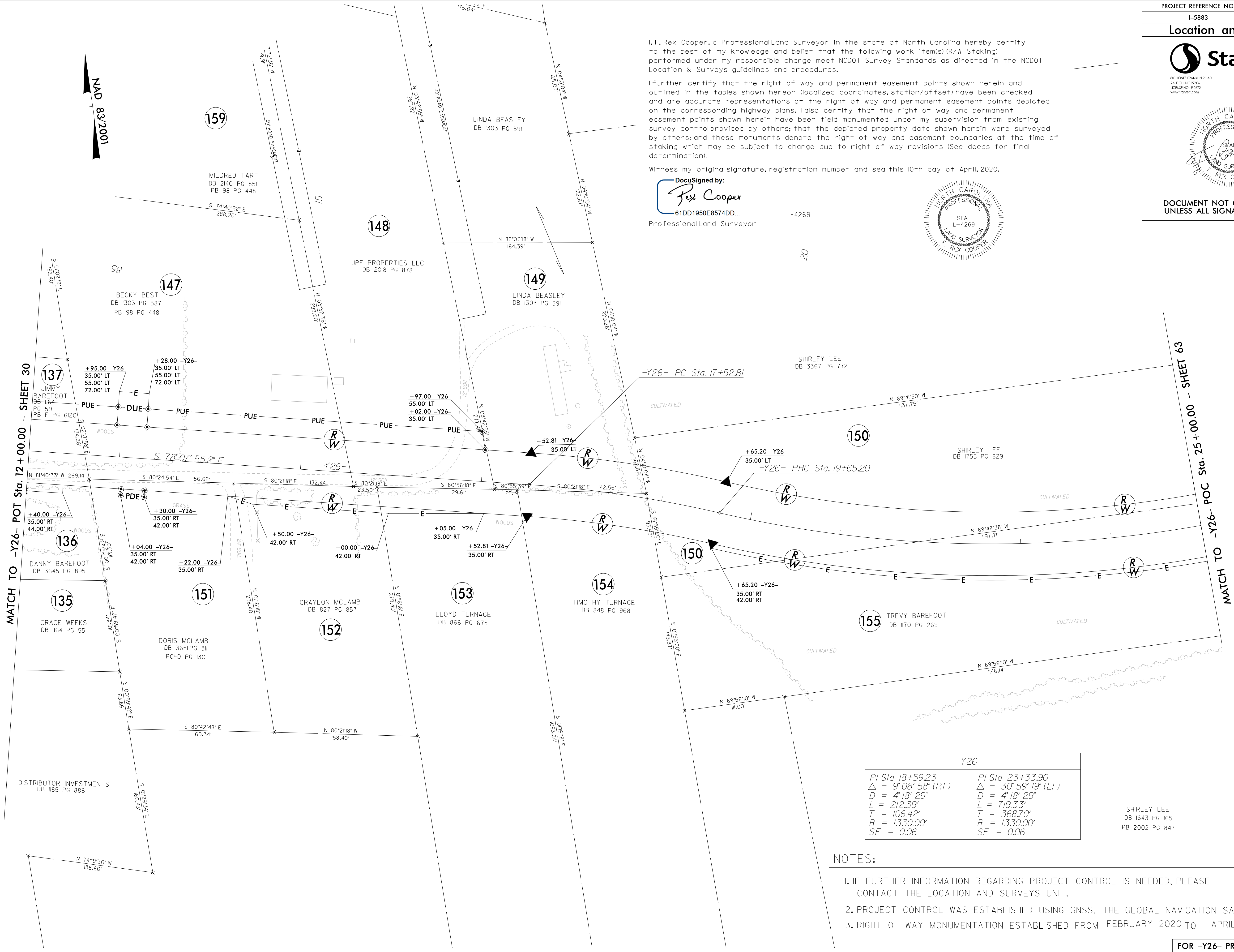
L-4269



-SR15-	-DR4-	
PI Sta. 14+63.39 Δ = 19° 11' 24" (LT) D = 418' 29" L = 445.45' T = 224.83' R = 1330.00' SE = 0.06	PI Sta. 13+78.37 Δ = 90° 46' 41" (RT) D = 114' 35' 30" L = 79.22' T = 50.68' R = 50.00' SE = 0.04	PI Sta. 15+94.38 Δ = 25° 13' 17" (LT) D = 37' 12' 18" L = 67.79' T = 34.45' R = 154.00' SE = NC

FOR -SR15- PROFILE SEE SHEET 120
FOR -DR4- PROFILE SEE SHEET 130

REVISIONS



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

L-4269



PROJECT REFERENCE NO.	SHEET NO.
I-5883	RW62
Location and Surveys	
 801 JONES FRANKLIN ROAD RALEIGH, NC 27606 LICENSE NO. 774472 www.stantec.com	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

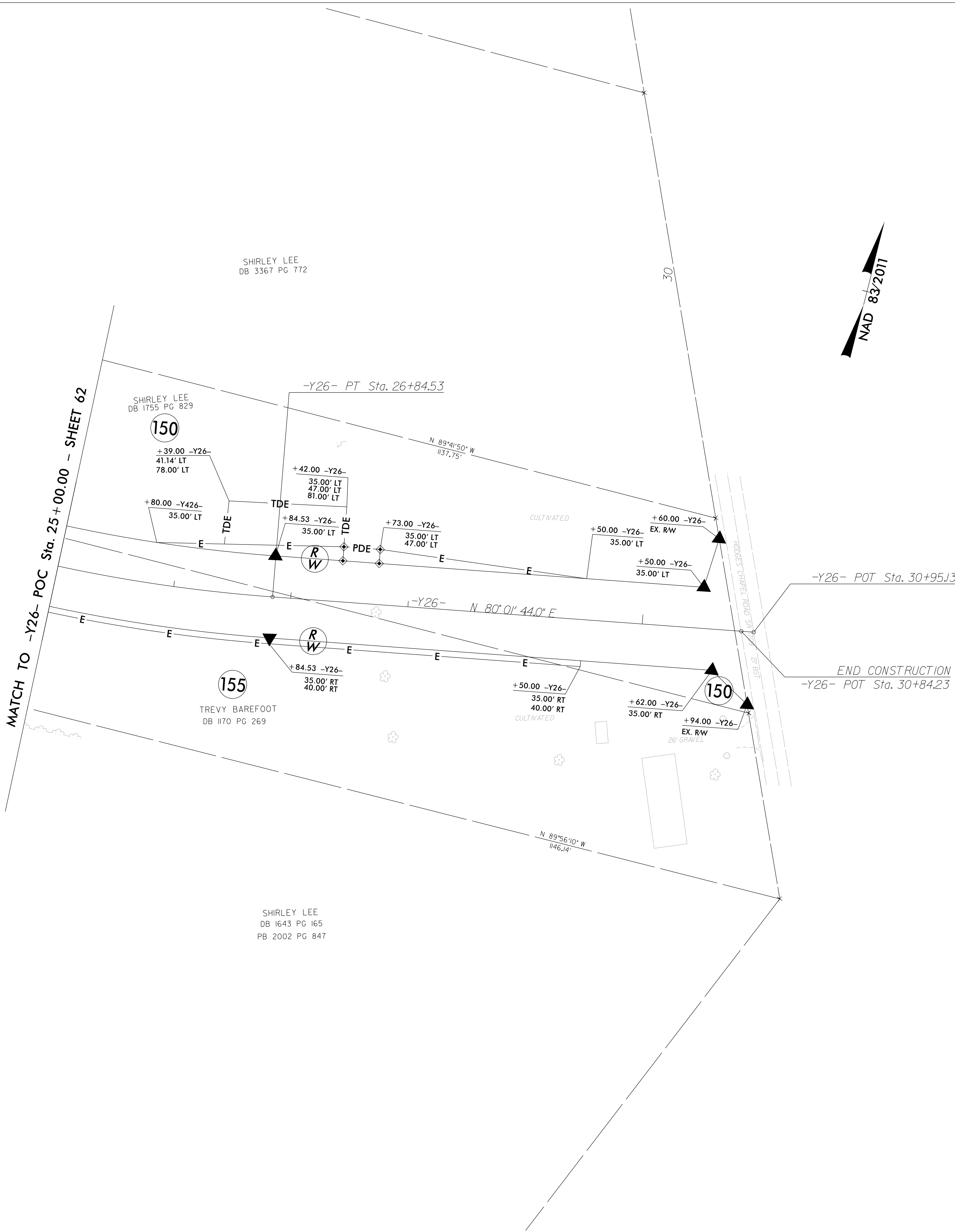
-Y26-	
PI Sta. 18+59.23	PI Sta. 23+33.90
Δ = 9° 08' 58" (RT)	Δ = 30° 59' 19" (LT)
D = 4' 18" 29"	D = 4' 18" 29"
L = 212.39'	L = 719.33'
T = 106.42'	T = 368.70'
R = 1330.00'	R = 1330.00'
SE = 0.06	SE = 0.06

SHIRLEY LEE
DB 1643 PG 165
PB 2002 PG 847

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.
- RIGHT OF WAY MONUMENTATION ESTABLISHED FROM FEBRUARY 2020 TO APRIL 2020 .

REVISIONS



-Y26-
PI Sta. 23+33.90
$\Delta = 30^{\circ}59'19"$ (LT)
$D = 4'18"29"$
$L = 719.33'$
$T = 368.70'$
$R = 1330.00'$
$SE = 0.06$

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

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

L-4269



- NOTES:
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