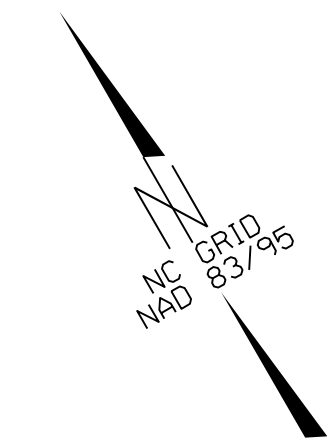


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2707E	RW01	

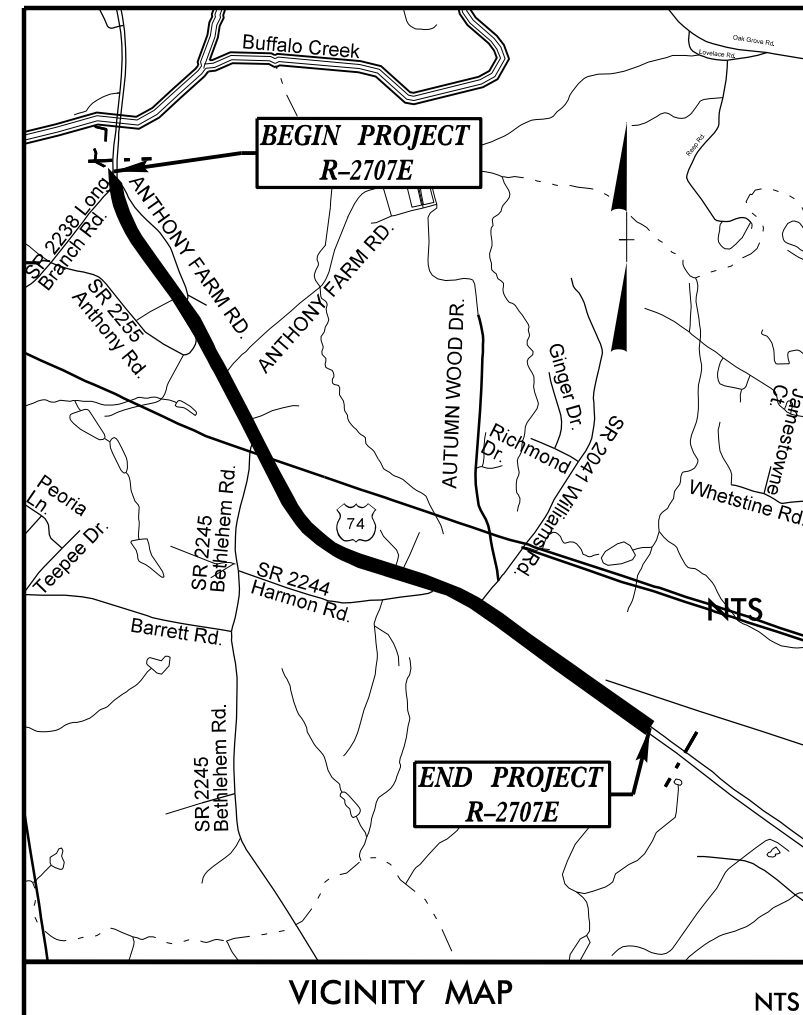
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

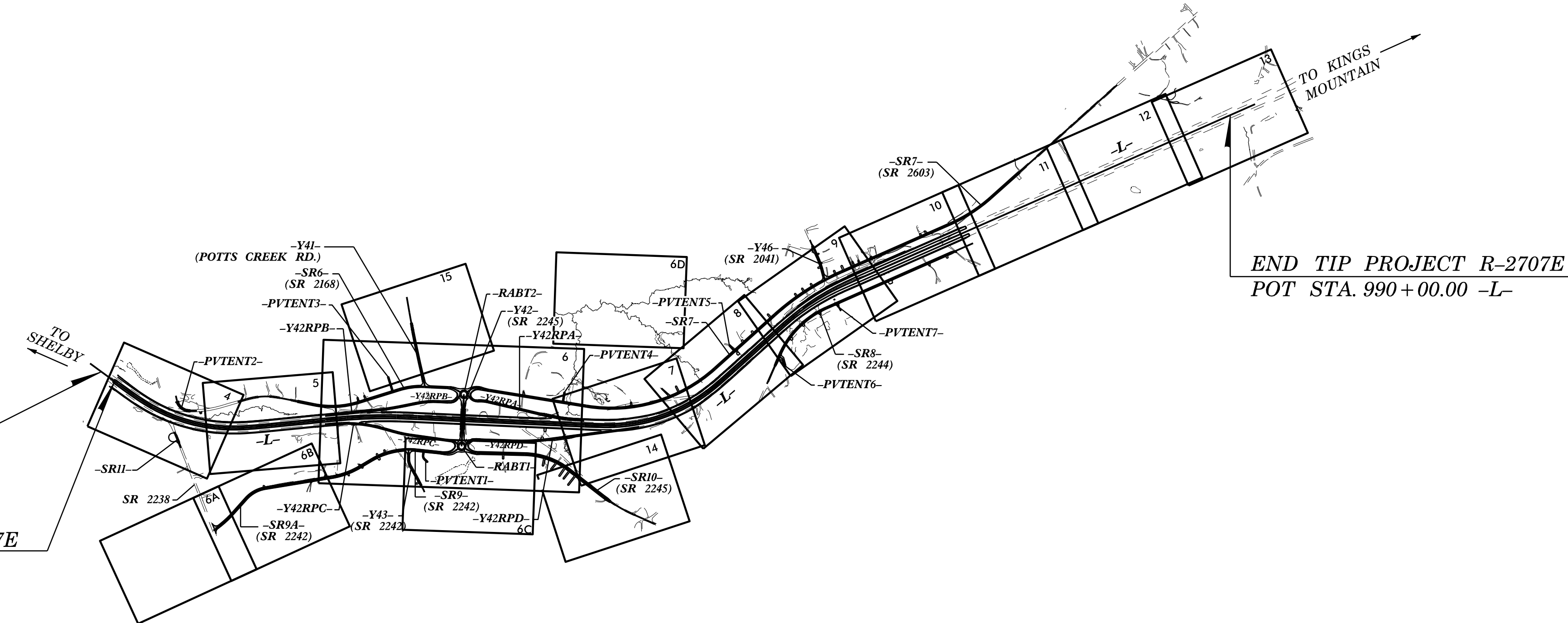
CLEVELAND COUNTY



TIP PROJECT: R-2707E



75% APPROVED PLANS



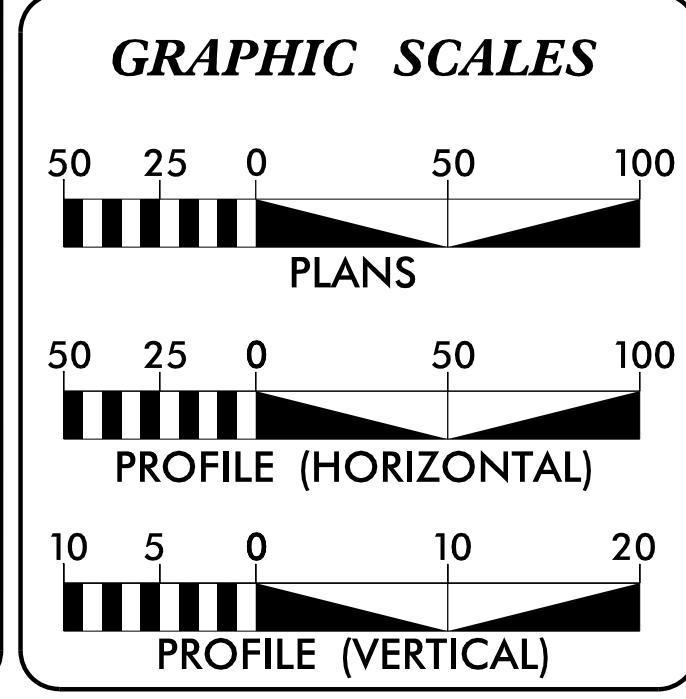
BEGIN CONSTRUCTION
POT STA. 849+12.00 -L-

END TIP PROJECT R-2707D
BEGIN TIP PROJECT R-2707E
POT STA. 851+00.00 -L-

END TIP PROJECT R-2707E
POT STA. 990+00.00 -L-

THIS PROJECT IS NOT WITHIN ANY CITY LIMITS
THIS IS A CONTROLLED ACCESS PROJECT
WITH ACCESS BEING LIMITED TO INTERCHANGES
CLEARING FOR THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

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 "M 77" WITH NAD 83/95 STATE PLANE GRID COORDINATES OF NORTHING: 573127.522(ft) EASTING: 1242971.658(ft) ELEVATION: 852.28(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99984410
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "M 77" TO -L- STATION 635+00 IS N 77°25'24" E 16287.68 (ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

801 Jones Franklin Road - Suite 300
Raleigh, NC 27606
License No. F-0672
www.stantec.com

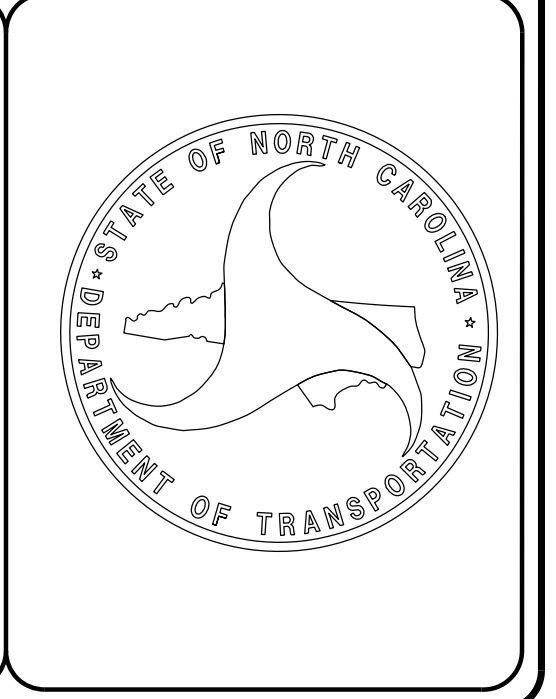
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: JANUARY 10, 2019
LETTING DATE: 7/18/2023

DocuSigned by:
F. Rex Cooper
61DD1950E8574DD...

DocuSigned by:
F. Rex Cooper
61DD1950E8574DD...


4/4/2022
Date:



\$\$\$\$SYTIME\$\$\$\$DN\$\$\$\$USERNAME\$\$\$\$

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-2707E	RW02C-1
Location and Surveys	
LOCATION & SURVEYS UNIT SHELBY FIELD OFFICE	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

.....
 BM1 ELEVATION - 735.19
 N 554830 E 1266334
 RAILROAD SPIKE SET IN THE BASE OF A
 14' PINE TREE

 BM2 ELEVATION - 760.69
 N 554490 E 1268621
 COTTON SPINDLE SET FLUSH IN THE
 CENTERLINE OF MIDWAY LAKE ROAD

 BM3 ELEVATION - 817.89
 N 553303 E 1270447
 RAILROAD SPIKE SET IN THE BASE OF A
 22' POPLAR TREE

 BM4 ELEVATION - 788.94
 N 554094 E 1270143
 5'X5' CONCRETE MONUMENT 1.0' ABOVE THE
 GROUND AT THE CENTER OF HIGH TENSION
 POWER TOWER

 BM5 ELEVATION - 741.62
 N 555129 E 1270788
 RAILROAD SPIKE SET IN THE BASE OF A 12' OAK TREE

.....
 BM6 ELEVATION - 783.88
 N 556069 E 1272519
 RAILROAD SPIKE SET IN THE BASE OF A 15' PINE TREE

 BM7 ELEVATION - 851.18
 N 553288 E 1272683
 COTTON SPINDLE SET FLUSH IN THE CENTERLINE
 OF HARMON ROAD

 BM8 ELEVATION - 842.32
 N 554004 E 1275675
 RAILROAD SPIKE SET IN THE BASE OF A
 15' WHITE OAK TREE

 BM9 ELEVATION - 869.30
 N 554154 E 1277870
 RAILROAD SPIKE SET IN THE BASE OF A 12' PINE TREE

 BM10 ELEVATION - 855.96
 N 553459 E 1279263
 CONCRETE R/W MONUMENT AT THE R/W FENCE
 ALONG WESTBOUND US 74

 BM11 ELEVATION - 762.52
 N 555302 E 1269235
 RAILROAD SPIKE SET IN THE BASE OF A 10' POPLAR TREE

 BM12 ELEVATION - 803.41
 N 553833 E 1271934
 RAILROAD SPIKE SET IN THE BASE OF A 14' OAK TREE

 BM13 ELEVATION - 854.18
 N 554476 E 1273934
 COTTON SPINDLE SET FLUSH IN THE CENTERLINE
 OF WILLIAMS ROAD

 BM14 ELEVATION - 859.04
 N 553377 E 1276632
 REBAR SET FLUSH WITH THE GROUND ALONG US 74

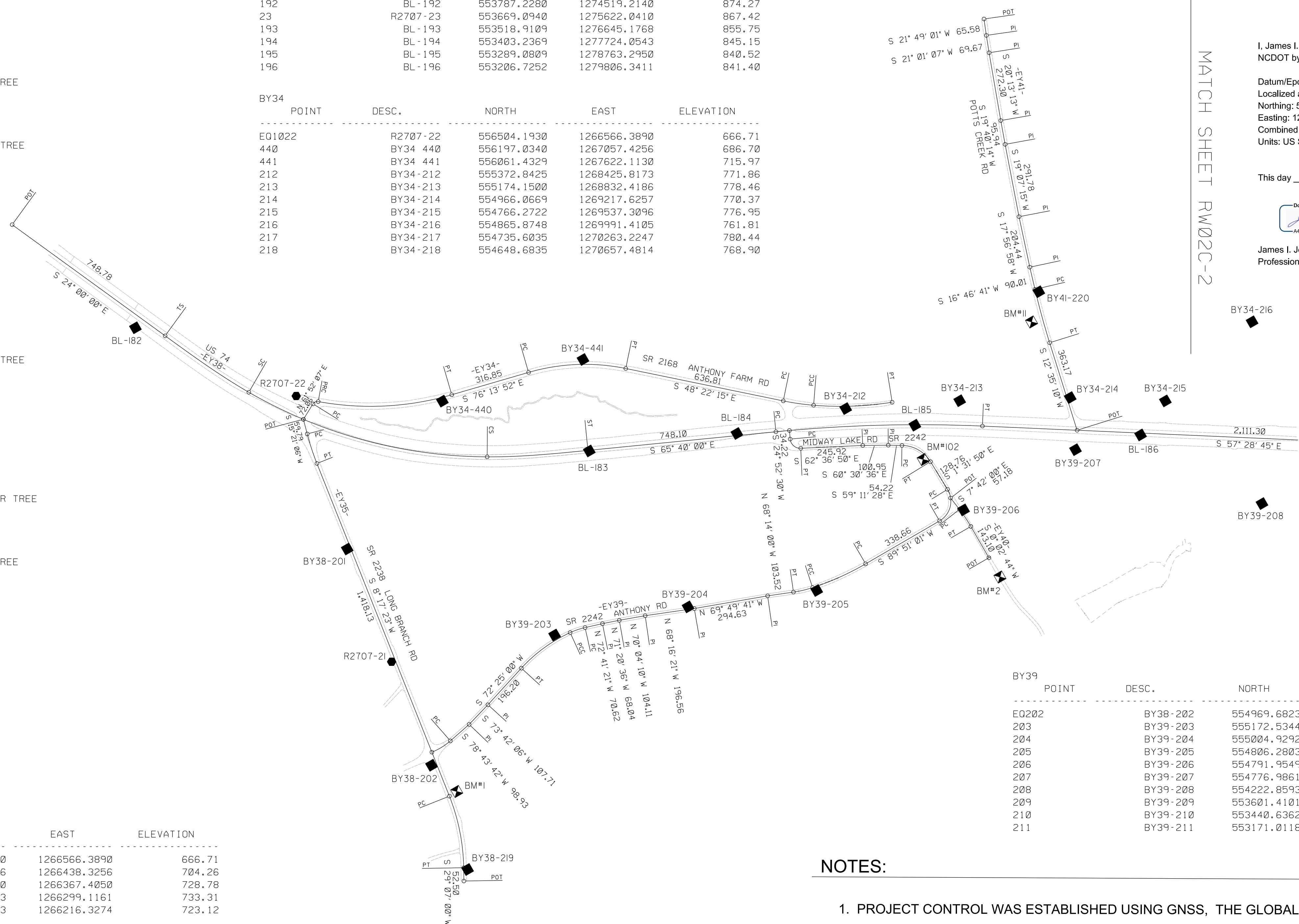
 BM102 ELEVATION - 778.19
 N 555045 E 1268591
 BENT NAIL IN THE TOP OF A 15' CONCRETE
 PIPE ALONG MIDWAY LAKE DRIVE

POINT	DESC.	NORTH	EAST	ELEVATION
E022	R2707-22	556504.1930	1266566.3890	666.71
201	BY38-201	555878.2916	1266438.3256	704.26
21	R2707-21	555403.7450	1266367.4050	728.78
202	BY38-202	554969.6823	1266299.1161	733.31
219	BY38-219	554540.6593	1266216.3274	723.12

POINT	DESC.	NORTH	EAST	ELEVATION
220	BY41-220	555391.2311	1269319.4596	759.92
E0214	BY34-214	554966.0669	1269217.6257	770.37

POINT	DESC.	NORTH	EAST	ELEVATION
22	R2707-22	556504.1930	1266566.3890	666.71
183	BL-183	555735.3118	1267462.5978	714.86
184	BL-184	555502.9004	1268003.3672	744.06
185	BL-185	555178.8571	1268630.1522	774.21
186	BL-186	554698.5950	1269384.9490	779.47
187	BL-187	554288.7250	1270038.7440	782.71
188	BL-188	553742.3880	1270907.3230	798.24
189	BL-189	553533.6250	1271810.2380	822.69
190	BL-190	553660.0660	1272651.2850	843.88
191	BL-191	553803.5870	1273414.5030	852.90
192	BL-192	553787.2280	1274519.2140	874.27
23	R2707-23	553669.0940	1275622.0410	867.42
193	BL-193	553518.9109	1276645.1768	855.75
194	BL-194	553403.2369	1277724.0543	845.15
195	BL-195	553289.0809	1278763.2950	840.52
196	BL-196	553206.7252	1279806.3411	841.40

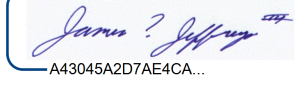
POINT	DESC.	NORTH	EAST	ELEVATION
E01022	R2707-22	556504.1930	1266566.3890	666.71
440	BY34-440	556197.0340	1267057.4256	686.70
441	BY34-441	556061.4329	1267622.1130	715.97
212	BY34-212	555372.8425	1268425.8173	771.86
213	BY34-213	555174.1500	1268832.4186	778.46
214	BY34-214	554966.0669	1269217.6257	770.37
215	BY34-215	554766.2722	1269537.3096	776.95
216	BY34-216	554865.8748	1269991.4105	761.81
217	BY34-217	554735.6035	1270263.2247	780.44
218	BY34-218	554648.6835	1270657.4814	768.90



I, James I. Jeffreys, PE, PLS, certify that the Project Control was provided to NCDOT by others. The following information was used to perform the survey:

Datum/Epoch: NAD83/1995
 Localized around: M 77
 Northing: 573127.522
 Easting: 1242971.658
 Combined grid factor: 0.99984410
 Units: US Survey Feet

This day 12/21/2022

DocuSigned by:

 A43045A2D7AEACA

James I. Jeffreys, PE, PLS
 Professional Land Surveyor L-3828

MATCH SHEET RW02C-2

POINT	DESC.	NORTH	EAST	ELEVATION
E0202	BY38-202	554969.6823	1266299.1161	733.31
203	BY39-203	555172.5344	1266979.0786	769.04
204	BY39-204	555004.9292	1267492.4495	787.21
205	BY39-205	554806.2803	1267966.2900	781.01
206	BY39-206	554791.9549	1268629.5490	772.75
207	BY39-207	554776.9861	1269132.4594	776.69
208	BY39-208	554222.8593	1269665.3452	765.94
209	BY39-209	553601.4101	1269942.7219	807.70
210	BY39-210	553440.6362	1270209.9412	818.69
211	BY39-211	553171.0118	1270358.3835	816.59

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

2-DEC-2022 10:25
 C:\Projects\2707\2707-22-xxx-RW_Contr-ol_Sheets\R-2707e-1s-rw02c-1.dgn
 J. Jeffreys AT LS-314619

SURVEY CONTROL SHEET

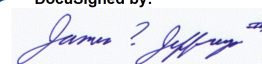
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. R-2707E	SHEET NO. RW02C-3
Location and Surveys	
LOCATION & SURVEYS UNIT SHELBY FIELD OFFICE	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, James I. Jeffreys, PE, PLS, certify that the Project Control was provided to NCDOT by others. The following information was used to perform the survey:

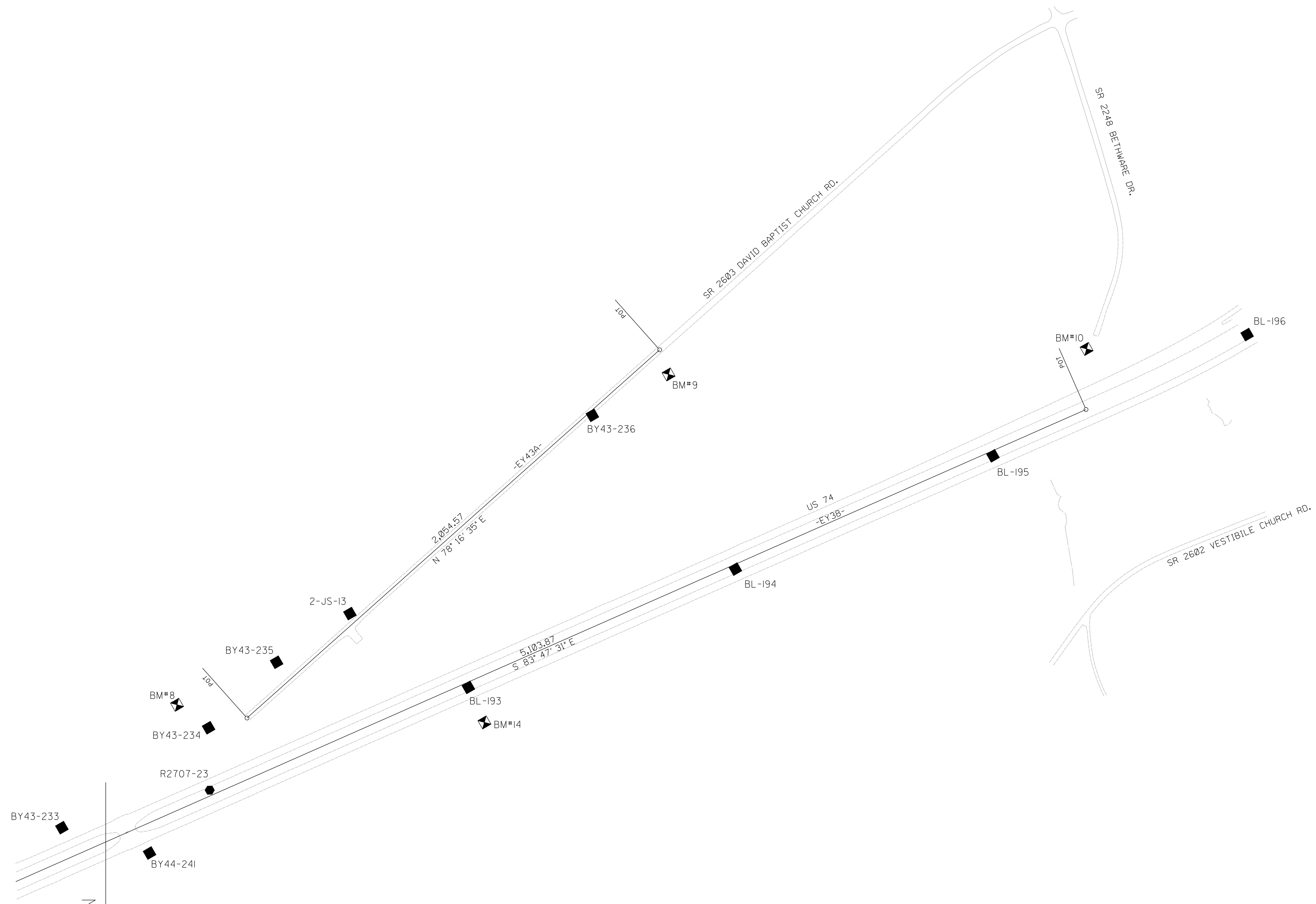
Datum/Epoch: NAD83/1995
 Localized around: M 77
 Northing: 573127.522
 Easting: 1242971.658
 Combined grid factor: 0.99984410
 Units: US Survey Feet

This day 12/21/2022

DocuSigned by:

 A43045A207AE1CA

James I. Jeffreys, PE, PLS
 Professional Land Surveyor L-3828

REVISIONS



MATCH SHEET RW02C-2


NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

21-DEC-2022 10:25
 C:\p\projects\2707\2707-22-xxx-rw-control-sheets\2707e_1s-rw02c-3.dgn
 J. Jeffreys AT LS-314619

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. R-2707E	SHEET NO. RW02C-4
Location and Surveys	
LOCATION & SURVEYS UNIT SHELBY FIELD OFFICE	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EY34

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	556409.932	1266544.822							
LINE			N 61°52'06.6" E	72.06					
PC	556443.909	1266608.369							
CURVE			S 83°52'14.5" E	22.52	68°31'17.6"(RT)	286°28'44.0"	23.92	13.62	20.00
PCC	556441.504	1266630.759							
CURVE			S 62°55'14.5" E	529.52	26°37'15.0"(LT)	04°58'56.1"	534.31	272.07	1150.00
PT	556200.454	1267102.232							
LINE			S 76°13'52.1" E	316.85					
PC	556125.041	1267409.981							
CURVE			S 62°18'03.5" E	385.18	27°51'37.1"(RT)	07°09'43.1"	389.00	198.43	800.00
PT	555945.998	1267751.021							
LINE			S 48°22'15.0" E	636.81					
PC	555522.958	1268227.014							
CURVE			S 51°50'56.0" E	121.33	06°57'22.0"(LT)	05°43'46.5"	121.41	60.78	1000.00
PCC	555448.007	1268322.428							
CURVE			S 62°12'16.5" E	311.35	13°45'19.0"(LT)	04°24'26.5"	312.10	156.80	1300.00
PT	555302.820	1268597.852							

EY35

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	556409.932	1266544.822							
LINE			S 15°21'06.1" W	59.79					
PC	556352.271	1266528.992							
CURVE			S 11°49'14.6" W	123.18	07°03'43.0"(LT)	05°43'46.5"	123.25	61.71	1000.00
PT	556231.707	1266503.759							
LINE			S 08°17'23.0" W	1418.13					
PC	554828.392	1266299.294							
CURVE			S 18°42'11.5" W	289.20	20°49'37.0"(RT)	07°09'43.1"	290.80	147.02	800.00
PT	554554.463	1266206.558							
LINE			S 29°07'00.3" W	52.50					
POT	554508.599	1266181.012							

EY38A

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	557654.161	1265931.463											
LINE			S 24°00'00.0" E	748.78									
TS	556970.117	1266236.019											
SPIRAL			S 25°59'59.4" E	399.81						06°00'00.0"(LT)	400.00	266.82	133.47
SC	556610.774	1266411.281											
CURVE			S 44°50'00.0" E	977.88	29°39'59.9"(LT)	03°00'00.0"	988.89	505.80	1909.86				
CS	555917.301	1267100.731											
SPIRAL			S 63°40'00.6" E	399.81						06°00'00.0"(LT)	400.00	266.82	133.47
ST	555739.951	1267459.049											
LINE			S 65°40'00.0" E	748.10									
PC	555431.702	1268140.688											
CURVE			S 61°34'22.4" E	818.06	08°11'15.3"(RT)	01°00'00.0"	818.76	410.08	5729.58				
PT	555042.271	1268860.110											
LINE			S 57°28'44.7" E	2111.30									
TS	553907.219	1270640.350											
SPIRAL			S 58°58'44.4" E	299.92						04°30'00.0"(LT)	300.00	200.06	100.06
SC	553752.656	1270897.373											
CURVE			S 79°42'11.6" E	1162.85	35°26'53.9"(LT)	03°00'00.0"	1181.61	610.40	1909.86				
CS	553544.800	1272041.500											
SPIRAL			N 79°34'21.1" E	299.92						04°30'00.0"(LT)	300.00	200.06	100.06
ST	553599.082	1272336.465											
LINE			N 78°04'21.4" E	831.41									
PC	553770.911	1273149.925											
CURVE			N 87°08'25.1" E	926.14	18°08'07.5"(RT)	01°57'00.0"	930.02	468.93	2938.24				
PT	553817.117	1274074.916											
LINE			S 83°47'31.1" E	5103.87									
POT	553265.192	1279148.860											

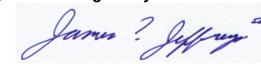
EY39

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	555409.321	1268109.567							
LINE			S 24°52'30.4" W	34.22					
PC	555378.279	1268175.175							
CURVE			S 18°52'09.7" E	55.32	87°29'19.8"(LT)	143°14'22.0"	61.08	38.28	40.00
PT	555325.936	1268193.065							
LINE			S 62°36'50.0" E	245.92					
POT	555212.819	1268411.420							
LINE			S 60°30'36.3" E	100.95					
POT	555163.124	1268499.291							
LINE			S 59°11'27.8" E	54.22					
PC	555135.354	1268545.860							
CURVE			S 30°21'38.9" E	130.20	57°39'37.9"(RT)	42°26'28.7"	135.86	74.31	135.00
PT	555023.011	1268611.667							
LINE			S 01°31'50.3" E	128.76					
PC	554894.292	1268615.107							
CURVE			S 44°09'35.7" W	128.80	91°22'50.9"(RT)	63°39'43.1"	143.54	92.20	90.00
PT	554801.889	1268525.374							
LINE			S 89°51'01.0" W	338.66					
PC	554801.004	1268186.711							
CURVE			N 84°08'43.6" W	230.13	12°00'31.0"(RT)	05°12'31.3"	230.55	115.70	1100.00
PCC	554824.478	1267957.784							
CURVE			N 73°11'14.0" W	77.72	09°54'28.0"(RT)	12°43'56.6"	77.82	39.00	450.00
PT	554846.957	1267883.388							
LINE			N 68°13'59.8" W	103.52					
POT	554885.346	1267787.248							
LINE			N 69°49'41.0" W	294.63					
POT	554986.945	1267510.691							
LINE			N 68°16'21.0" W	196.56					
POT	555059.710	1267328.095							
LINE			N 70°04'10.2" W	104.11					
POT	555095.199	1267230.221							
LINE			N 71°20'36.1" W	68.04					
POT	555116.965	1267165.756							
LINE			N 72°41'20.6" W	70.62					
PC	555137.978	1267098.335							
CURVE			N 78°38'36.0" W	62.24	11°54'30.0"(LT)	19°05'54.9"	62.35	31.29	300.00
PCC	555150.234	1267037.314							
CURVE			S 83°54'34.5" W	239.10	22°59'09.0"(LT)	09°32'57.5"	240.71	121.99	600.00
PT	555124.867	1266799.567							
LINE			S 72°24'59.9" W	196.20					
POT	555065.596	1266612.534							
LINE			S 73°42'06.2" W	107.71					
POT	555035.369	1266509.152							
LINE			S 78°43'41.7" W	98.93					
PC	555016.031	1266412.127							
CURVE			S 88°36'42.4" W	85.82	19°46'00.5"(RT)	22°55'05.9"	86.25	43.56	250.00
PT	555013.952	1266326.331							

I, James I. Jeffreys, PE, PLS, certify that the Project Control was provided to NCDOT by others. The following information was used to perform the survey:

Datum/Epoch: NAD83/1995
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 Easting: 1242971.658
 Combined grid factor: 0.99984410
 Units: US Survey Feet

This day 12/21/2022

DocuSigned by:

 A43045A207A64CA

James I. Jeffreys, PE, PLS
 Professional Land Surveyor L-3828

NOTES:

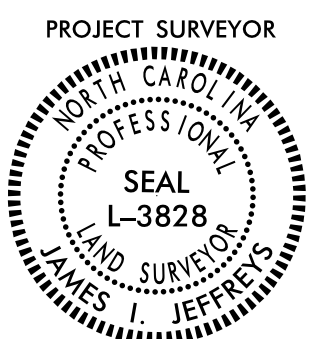
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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REVISIONS

2-DEC-2022 10:26
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 J. Jeffreys AT LS-314619

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. R-2707E	SHEET NO. RW02C-5
Location and Surveys	
LOCATION & SURVEYS UNIT SHELBY FIELD OFFICE	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EY40									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	554858.396	1268608.675	S 07°42'00.4" E	57.18					
LINE									
PC	554801.734	1268616.336	S 03°49'38.3" E	81.05	07°44'44.6"(RT)	09°32'57.5"	81.11	40.62	600.00
CURVE									
PT	554720.863	1268621.746	S 00°02'44.3" W	143.10					
LINE									
POT	554577.762	1268621.632							

EY41									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	556435.373	1269671.614	S 21°49'01.2" W	65.58					
LINE									
POT	556374.488	1269647.241	S 21°01'07.1" W	69.67					
LINE									
POT	556309.457	1269622.254	S 20°13'13.1" W	272.30					
LINE									
POT	556053.935	1269528.137	S 19°40'14.2" W	95.94					
LINE									
POT	555963.596	1269495.843	S 19°07'15.3" W	291.78					
LINE									
POT	555687.912	1269400.266	S 17°56'58.2" W	204.44					
LINE									
POT	555493.423	1269337.263	S 16°46'41.0" W	90.01					
LINE									
PC	555407.247	1269311.281	S 14°40'55.5" W	219.44	04°11'31.0"(LT)	01°54'35.5"	219.49	109.79	3000.00
CURVE									
PT	555194.971	1269255.662	S 12°35'10.0" W	363.17					
LINE									
POT	554840.530	1269176.525							

EY42									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	554311.766	1270005.851	S 03°51'29.5" E	133.41	44°48'47.0"(LT)	32°44'25.6"	136.87	72.15	175.00
CURVE									
PT	554178.656	1270014.828	S 26°15'53.1" E	309.38					
LINE									
PC	553901.216	1270151.735	S 20°26'49.1" E	263.55	11°38'07.7"(RT)	04°24'26.5"	264.00	132.46	1300.00
CURVE									
PT	553654.273	1270243.803	S 14°37'45.3" E	349.61					
LINE									
PC	553315.997	1270332.102	S 25°27'22.8" E	629.28	21°39'15.1"(LT)	03°25'14.3"	633.04	320.34	1675.00
CURVE									
PT	552747.809	1270602.583	S 36°17'00.4" E	271.47					
LINE									
POT	552528.978	1270763.232							

EY43									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	553786.006	1273226.386	N 02°39'24.0" E	38.85					
LINE									
PC	553824.814	1273228.187	N 37°32'52.0" E	57.20	69°46'56.0"(RT)	114°35'29.6"	60.90	34.87	50.00
CURVE									
POT	553870.166	1273263.047	N 77°18'05.0" E	67.81	09°43'30.0"(RT)	14°19'26.2"	67.89	34.03	400.00
CURVE									
PT	553885.073	1273329.200	N 82°09'50.1" E	110.01					
LINE									
PC	553900.072	1273438.185	N 88°49'03.5" E	625.69	13°18'27.0"(RT)	02°07'19.4"	627.10	314.97	2700.00
CURVE									
PT	553912.983	1274063.745	S 84°31'43.1" E	253.08					
LINE									
POT	553888.852	1274315.674	S 83°10'45.9" E	173.82					
LINE									
PC	553868.209	1274488.264	S 73°44'32.7" E	65.59	10°52'27.1"(RT)	28°38'52.4"	65.88	33.24	200.00
CURVE									
POT	553849.848	1274551.227	S 29°03'00.5" E	46.18	70°30'37.0"(RT)	143°14'22.0"	49.23	28.27	40.00
CURVE									
PT	553809.479	1274573.650	S 06°12'17.0" W	46.34					
LINE									
POT	553763.411	1274568.641							

EY43A				
POINT	N	E	BEARING	DIST
POT	553831.917	1275875.907	N 78°16'35.3" E	2054.57
LINE				
POT	554249.385	1277887.622		

EY44									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	553374.826	1272799.941	N 53°56'40.1" E	352.86					
LINE									
PC	553582.508	1273085.210	N 51°41'14.8" E	86.64	04°30'50.0"(LT)	05°12'31.3"	86.66	43.35	1100.00
CURVE									
POT	553636.220	1273153.190	N 26°02'37.0" E	166.71	46°46'26.0"(LT)	27°17'01.3"	171.44	90.82	210.00
CURVE									
PT	553786.006	1273226.386							

EY45									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	556464.958	1272373.788	S 26°55'40.0" E	638.33	03°51'02.0"(RT)	00°36'11.2"	638.45	319.34	9500.00
CURVE									
POT	555895.841	1272662.865	S 25°43'54.5" E	89.10	01°27'31.0"(RT)	01°38'13.3"	89.10	44.55	3500.00
CURVE									
PT	555815.577	1272701.548	S 26°27'39.9" E	208.05					
LINE									
PC	555629.323	1272794.253	S 27°05'26.2" E	153.80	01°15'32.0"(LT)	00°49'06.6"	153.80	76.90	7000.00
CURVE									
PT	555492.397	1272864.293							

EY45A									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	554527.550	1273708.348	S 43°55'47.8" E	111.38					
LINE									
PC	554447.332	1273785.624	S 49°04'49.3" E	116.70	10°18'03.0"(LT)	08°48'53.0"	116.86	58.59	650.00
CURVE									
PT	554370.893	1273873.807	S 54°13'50.5" E	55.48					
LINE									
POT	554338.462	1273918.824							

EY46									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	554607.419	1273949.452	S 06°29'48.5" W	370.93					
LINE									
PC	554238.872	1273907.482	S 10°45'18.9" W	148.51	08°31'01.1"(RT)	05°43'46.5"	148.65	74.46	1000.00
CURVE									
PT	554092.968	1273879.768	S 15°00'49.6" W	173.77					
LINE									
POT	553925.134	1273834.754							

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

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. R-2707E	SHEET NO. RW03E-1
Location and Surveys	
 801 Jones Franklin Road Raleigh, NC 27606 License No. F-0672 www.stantec.com	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	849.69.49	-167.00	557250.8408	1266294.4958
L	850.60.00	-167.00	557168.0562	1266331.0921
L	850.60.00	-150.00	557161.1027	1266315.5435
L	851.52.31	-150.00	557076.7547	1266352.8657
L	851.52.31	150.00	556955.4575	1266078.4809
L	854.00.00	150.00	556725.5038	1266183.2460
L	856.32.31	175.00	556495.6450	1266277.8771
L	856.32.31	-150.00	556663.2647	1266556.3170
L	858.00.00	175.00	556343.1587	1266379.0466
L	858.00.00	150.00	556357.8810	1266399.2522
L	858.55.00	-150.00	556494.0217	1266672.1473
L	858.55.00	-95.00	556460.3664	1266628.6464
L	858.55.00	-112.42	556471.0273	1266642.4261
L	858.00.00	150.00	556289.2303	1266451.5084
L	860.67.48	-97.25	556309.4331	1266762.4340
L	863.00.00	-100.00	556162.8257	1266926.9966
L	863.75.00	-185.63	556187.9474	1267034.2946
L	865.45.41	-150.00	556071.3260	1267142.9746
L	865.45.92	150.00	555815.4140	1266986.4210
L	870.25.69	-150.00	555590.7996	1267431.1599
L	870.25.69	-150.00	555864.1043	1267554.8715
L	871.50.00	-195.00	555853.8378	1267686.6794
L	876.63.42	150.00	555327.8199	1268012.1486
L	876.91.72	-112.00	555554.8232	1268146.0003
L	916.00.00	150.00	553409.3534	1271472.8423
L	916.00.00	172.00	553387.6438	1271469.2795
L	921.28.29	150.00	553395.5159	1272040.6416
L	923.87.38	-104.75	553689.8584	1272258.1605
L	924.88.29	150.00	553461.0600	1272408.8404
L	928.61.31	150.00	553538.1525	1272773.8059
L	931.66.49	-105.00	553850.7182	1273019.6909
L	931.66.49	125.00	553625.6844	1273067.2281
L	934.81.49	-105.00	553910.7907	1273335.2278
L	940.03.69	-105.00	553937.8333	1273876.6006
L	940.03.69	93.92	553739.1544	1273866.8966
L	955.47.43	-105.00	553776.6311	1275418.0849
L	960.81.15	-184.56	553798.0089	1275957.2824

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
SR6	12.00.00	-50.00	555849.7829	1267934.2599
SR6	12.00.00	-30.19	555834.9022	1267921.1828
SR6	12.00.00	29.81	555789.8316	1267881.5753
SR6	13.94.33	-50.00	555721.5003	1268080.2362
SR6	16.00.17	-59.76	555615.9706	1268244.0931
SR6	17.99.88	-60.27	555538.6103	1268415.3284
SR6	19.15.31	-75.28	555523.6920	1268523.1852
SR6	22.75.00	-75.00	555444.9417	1268874.1458
SR6	24.50.00	-110.00	555437.8810	1269058.5401
SR6	25.85.00	-100.00	555375.0174	1269197.1261
SR6	27.00.00	-100.00	555269.2046	1269376.1033
SR6	27.00.00	100.00	555101.0904	1269267.7630

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
SR7	12.25.00	-150.00	554955.9374	1269948.1590
SR7	15.50.00	50.00	554603.6490	1270060.4957
SR7	15.50.00	-60.00	554688.8395	1270130.0844
SR7	20.50.00	-60.00	554372.5273	1270517.3138
SR7	21.60.00	-90.00	554326.1724	1270621.4829
SR7	22.60.00	-75.00	554251.2931	1270689.4395
SR7	24.04.47	50.00	554063.0897	1270722.2484
SR7	24.04.47	-75.00	554159.8971	1270801.3264
SR7	36.50.00	-75.00	553775.5360	1271905.1808
SR7	37.70.00	-110.00	553815.9900	1272017.0935
SR7	38.75.00	-75.00	553792.3183	1272119.9022
SR7	39.94.21	-75.00	553812.1597	1272232.3265
SR7	43.40.00	-75.00	553883.6256	1272570.6551
SR7	44.35.00	-45.00	553873.9071	1272669.8042
SR7	49.19.93	-45.00	553974.1287	1273144.2657
SR7	56.02.65	-45.00	554035.6284	1273833.3287
SR7	57.25.00	-60.00	554044.1924	1273958.5195
SR7	58.26.70	-60.00	554034.7987	1274061.9193
SR7	59.74.09	50.00	553909.5051	1274196.5505
SR7	69.00.00	-80.00	553938.6165	1275131.0870
SR7	69.00.00	-60.00	553918.7338	1275128.9243
SR7	72.02.83	-80.00	553905.8688	1275432.1429
SR7	77.59.91	-80.00	553931.3627	1275961.4003
SR7	77.59.91	-72.50	553924.0203	1275962.9239

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
SR8	10.75.00	-15.00	553431.0951	1272851.7464
SR8	10.75.00	30.00	553394.7150	1272878.2320
SR8	10.75.00	50.00	553378.5461	1272890.0034
SR8	12.26.35	60.00	553459.5436	1273018.2503
SR8	16.56.12	-40.75	553722.8853	1273363.3627
SR8	18.97.66	-35.68	553742.8000	1273612.4765
SR8	19.93.50	60.00	553641.5190	1273701.0240
SR8	24.57.14	-55.00	553705.7073	1274174.3821
SR8	25.00.00	60.00	553586.7466	1274204.5563
SR8	30.00.00	65.00	553527.7067	1274701.0836
SR8	34.00.00	50.00	553499.3633	1275100.3600
SR8	36.13.20	30.00	553496.1908	1275314.4740
SR8	36.23.94	50.00	553475.1470	1275322.9847
SR8	36.80.00	30.00	553488.9673	1275380.8808
SR8	36.80.00	-55.00	553573.4690	1275390.0726

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
SR9	10.00.00	35.00	554765.5636	1268179.8375
SR9	10.50.00	-50.00	554851.1746	1268228.7840
SR9	10.50.00	-24.94	554826.1147	1268229.0935
SR9	11.25.10	35.00	554767.1084	1268304.9279
SR9	11.25.10	-50.00	554852.1020	1268303.8782
SR9	13.35.19	-50.00	554826.8910	1268524.5496
SR9	13.70.00	35.00	554735.7269	1268536.5780
SR9	14.46.00	68.09	554681.5112	1268593.4403
SR9	14.55.00	-58.00	554795.3845	1268648.3228
SR9	15.25.00	-55.00	554761.7956	1268715.1414
SR9	16.45.00	-70.00	554708.3891	1268833.3986
SR9	17.13.23	90.00	554538.2618	1268795.5355
SR9	18.75.00	90.00	554443.1425	1268926.3812
SR9	18.75.00	-60.00	554564.4711	1269014.5819
SR9	20.03.93	150.00	554318.7993	1268995.3873

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
SR9A	10.18.76	60.00	554952.4532	1266347.6868
SR9A	10.60.00	-88.39	555104.8544	1266369.8920
SR9A	10.81.58	60.00	554960.3741	1266410.0068
SR9A	10.81.58	-60.00	555079.4164	1266394.8764
SR9A	12.86.53	-60.00	555121.5852	1266583.7899
SR9A	12.86.53	60.00	555007.4085	1266620.7180
SR9A	15.30.70	50.00	555092.0628	1266849.9621
SR9A	15.30.70	60.00	555082.5481	1266853.0395
SR9A	15.30.70	-60.00	555196.7248	1266816.1114
SR9A	15.30.70	-50.00	555187.2101	1266819.1887
SR9A	17.52.11	-50.00	555191.3554	1267067.1745
SR9A	17.56.13	-30.66	555171.5373	1267066.0255
SR9A	17.82.44	50.00	555086.9450	1267064.6131
SR9A	23.25.00	50.00	554895.5672	1267572.3013
SR9A	23.25.00	35.00	554909.6031	1267577.5922
SR9A	25.58.81	35.00	554827.1305	1267796.3759
SR9A	29.05.38	35.00	554765.1788	1268148.6770

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
SR10	11.46.30	150.00	554139.5970	1269313.3697
SR10	13.00.00	30.00	554161.9535	1269507.0823
SR10	13.00.00	-60.00	554238.7756	1269553.9689
SR10	14.25.00	75.00	554058.4221	1269590.3365
SR10	14.25.00	30.00	554096.8332	1269613.7798
SR10	17.00.00	40.00	553945.0328	1269843.3046
SR10	17.00.00	75.00	553915.1575	1269825.0709
SR10	17.26.87	-71.64	554024.7779	1269926.0662
SR10	17.28.39	-51.71	554007.2091	1269916.5091
SR10	22.46.14	40.00	553555.1656	1270175.2321
SR10	25.68.00	-40.00	553287.4528	1270370.9981
SR10	27.44.54	-40.00	553124.0158	1270437.7555
SR10	28.50.00	-29.91	553025.6003	1270470.5614
SR10	28.50.00	-40.00	553029.9958	1270479.6480
SR10	28.50.00	40.00	552995.1589	1270407.6314
SR10	28.62.72	30.12	552987.8236	1270422.2116

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
SR11	10.00.00	-50.00	556026.8749	1266423.3863
SR11	10.00.00	-30.00	556023.9913	1266443.1775
SR11	11.54.38	-162.74	556195.8982	1266334.0810
SR11	11.78.09	36.96	556190.5682	1266535.1109

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y42RPB	14.00.00	-65.00	555401.5608	1268484.5958
Y42RPB	15.50.00	-75.00	555350.1117	1268624.5506
Y42RPB	17.90.00	-75.00	555262.4591	1268843.5399
Y42RPB	17.90.00	-50.00	555239.0045	1268834.8863
Y42RPB	18.45.00	-50.00	555220.5023	1268886.0162
Y42RPB	18.90.00	-75.00	555229.4572	1268936.1925
Y42RPB	20.07.18	-75.00	555192.3345	1269046.5117
Y42RPB	21.57.10	-75.00	555138.5899	1269193.3864

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y42RPC	12.00.00	100.00	555252.5523	1268175.4732
Y42RPC	15.59.81	100.00	555060.1767	1268449.7541
Y42RPC	17.59.81	97.78	554926.2752	1268589.2436
Y42RPC	18.86.95	99.15	554832.5035	1268681.5219

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

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. R-2707E	SHEET NO. RW03E-2
Location and Surveys	
 801 Jones Franklin Road Raleigh, NC 27606 License No. F-0672 www.stantec.com	



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	852.89.00	-194.00	556971.5179	1266447.9908
L	854.86.00	-211.00	556810.6161	1266544.1675
L	854.86.00	-218.00	556813.8297	1266550.3863
L	855.09.00	-211.00	556792.6601	1266553.5395
L	855.09.00	-218.00	556795.9250	1266559.7315
L	856.31.00	192.00	556488.1125	1266262.5697
L	856.31.00	201.00	556483.4760	1266254.8559
L	856.49.00	201.00	556466.4736	1266265.1848
L	856.49.00	192.00	556471.1825	1266272.8546
L	856.05.00	-150.00	556530.8271	1266644.4348
L	856.19.11	-168.34	556531.3167	1266666.8758
L	856.00.00	194.91	556261.2862	1266416.3501
L	863.18.00	-231.06	556254.9051	1267021.6937
L	863.81.00	-278.00	556258.9795	1267093.5805
L	863.84.00	-269.00	556250.2129	1267090.3013
L	864.02.00	-284.00	556253.2500	1267111.5792
L	864.06.00	-276.00	556244.7648	1267109.6678
L	864.59.00	-277.68	556220.1816	1267147.7739
L	865.75.00	-248.13	556141.5728	1267216.4751
L	866.23.00	-246.00	556118.4594	1267252.1794
L	866.24.00	-240.00	556112.7939	1267250.0116
L	866.45.00	-248.00	556110.6213	1267270.3400
L	866.46.00	-241.00	556104.0574	1267267.7471

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
PVTENT2	10.25.00	30.00	556334.4222	1266839.1518
PVTENT2	13.02.00	-16.00	556531.9313	1266695.0478

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
SR6	7.73.00	48.00	556027.0279	1267542.4376
SR6	7.74.00	53.00	556022.1154	1267541.1174
SR6	7.94.00	43.00	556022.7200	1267562.3819
SR6	7.95.00	48.00	556017.8417	1267560.9364
SR6	8.29.00	29.65	556018.5731	1267598.0879
SR6	8.89.00	-30.64	556038.0297	1267680.8777
SR6	9.12.00	-54.00	556043.3115	1267714.1223
SR6	9.15.00	-45.00	556034.1493	1267711.4347
SR6	9.31.00	-58.00	556034.4375	1267732.8725
SR6	9.33.00	-50.00	556026.7734	1267729.7370
SR6	15.19.00	-92.00	555683.3244	1268197.6085
SR6	16.36.00	-96.00	555631.6099	1268290.6455
SR6	21.05.00	-94.00	555500.5752	1268712.3869
SR6	25.62.00	-149.00	555430.5641	1269193.3837
SR6	28.40.00	-134.00	555265.2820	1269444.9554

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
SR7	12.20.00	-180.00	554979.4240	1269967.1217
SR7	15.70.00	-90.00	554699.4208	1270164.5523
SR7	17.95.00	-90.00	554557.0803	1270338.8055
SR7	19.78.93	-981.61	555131.2354	1271045.3060
SR7	19.92.00	-82.00	554426.2576	1270486.3129
SR7	20.10.43	-1176.42	555262.1820	1271192.9386
SR7	20.94.00	-216.00	554465.5074	1270650.0793
SR7	21.00.00	-208.00	554455.5160	1270649.6651
SR7	21.18.00	-234.00	554464.2647	1270680.0536
SR7	21.23.00	-227.00	554455.6803	1270679.4975
SR7	21.65.00	-255.00	554450.7950	1270729.7383
SR7	22.25.00	-255.00	554412.8375	1270776.2058
SR7	22.33.00	-296.00	554439.5293	1270808.3391
SR7	23.12.35	-1003.84	554937.5243	1271317.5908
SR7	23.88.00	-89.00	554181.1596	1270797.4289
SR7	25.50.00	-90.00	554088.5731	1270921.2753
SR7	25.50.00	-75.00	554076.2201	1270912.7664
SR7	26.00.00	-75.00	554049.6094	1270952.5846
SR7	26.00.00	-90.00	554062.1966	1270960.7432
SR7	26.15.94	-1009.72	554830.2458	1271466.7929
SR7	29.00.00	-95.00	553932.6928	1271213.6294
SR7	33.72.00	-101.00	553818.1019	1271643.3612
SR7	34.03.23	-903.04	554610.1058	1271771.6310
SR7	35.32.26	-1254.92	554955.9663	1271852.9999
SR7	37.07.00	-110.00	553812.1794	1271958.1128
SR7	37.64.00	-129.00	553834.4781	1272009.9860
SR7	37.85.00	-135.00	553842.1021	1272028.8510
SR7	38.74.00	-131.00	553847.6309	1272111.1039
SR7	41.40.00	-100.00	553866.7515	1272369.8062
SR7	41.40.00	-75.00	553842.2912	1272374.9730
SR7	42.10.00	-100.00	553881.2185	1272438.2950
SR7	42.10.00	-75.00	553856.7583	1272443.4618
SR7	43.35.00	-96.00	553903.1389	1272561.4229
SR7	43.52.68	-1020.37	554811.2074	1272387.6838
SR7	45.07.00	-79.00	553922.0534	1272733.2229
SR7	47.05.00	-66.00	553950.2551	1272929.6349
SR7	50.05.00	-75.00	554020.2520	1273223.7323
SR7	50.05.00	-45.00	553990.7285	1273229.0582
SR7	50.30.00	-75.00	554024.6962	1273248.9988
SR7	50.30.00	-45.00	553995.1274	1273254.0669
SR7	54.95.00	-80.00	554071.8687	1273723.7423
SR7	58.86.00	-83.00	554051.2513	1274123.3577
SR7	69.83.00	-80.00	553929.6410	1275213.6003
SR7	70.83.00	-96.00	553934.7334	1275314.7441
SR7	70.83.00	-103.00	553941.6923	1275315.5011
SR7	71.03.00	-96.00	553932.5706	1275334.6268
SR7	71.03.00	-103.00	553939.5296	1275335.3838
SR7	72.98.00	-97.00	553915.4340	1275523.6532
SR7	76.86.00	-80.00	553918.4590	1275892.0081
SR7	79.00.00	-72.64	553952.6215	1276100.0648
SR7	79.00.00	-95.00	553974.5149	1276095.5215
SR7	79.60.00	-95.00	553986.7062	1276154.2699
SR7	79.60.00	-72.64	553964.8129	1276158.8131

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
SR8	8.75.00	-13.94	553312.5278	1272690.6784
SR8	8.75.00	-34.00	553328.7417	1272678.8742
SR8	9.59.00	-34.00	553378.1815	1272746.7838
SR8	9.60.00	-44.00	553386.8546	1272741.7065
SR8	9.79.00	-40.00	553394.8036	1272759.4213
SR8	10.15.00	-15.00	553395.7809	1272803.2396
SR8	10.44.00	30.00	553376.4693	1272853.1702
SR8	10.68.00	57.00	553368.7669	1272888.4643
SR8	15.75.00	74.00	553591.8028	1273315.0708
SR8	16.97.00	60.00	553631.9989	1273422.7402
SR8	16.97.00	72.00	553620.1858	1273424.8501
SR8	17.24.00	60.00	553636.1467	1273447.8414
SR8	17.24.00	72.00	553624.2828	1273449.6439
SR8	17.62.00	82.00	553619.0209	1273485.8411
SR8	19.79.00	75.00	553627.9683	1273686.0191
SR8	22.79.22	75.07	553595.6431	1273983.4452
SR8	33.36.00	63.00	553493.3604	1275035.3295
SR8	33.51.00	80.00	553474.8380	1275048.4032
SR8	35.55.00	50.00	553482.6019	1275254.4510
SR8	35.55.00	110.00	553422.9537	1275247.9627
SR8	35.95.00	110.00	553418.6282	1275287.7282
SR8	35.95.00	50.00	553478.2763	1275294.2165

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
SR9	10.22.34	-25.21	554826.0424	1268201.4349
SR9	11.99.00	65.00	554734.9309	1268373.3746
SR9	12.65.00	-135.00	554925.4749	1268464.7942
SR9	12.72.00	-50.00	554840.3211	1268458.9472
SR9	12.91.00	-134.00	554919.3450	1268494.3792
SR9	13.01.00	-50.00	554834.7753	1268489.1820
SR9	13.98.00	91.00	554674.5999	1268544.8508
SR9	19.50.00	468.00	554093.2941	1268764.7796
SR9	19.65.00	442.00	554105.5043	1268792.2006
SR9	19.73.00	448.00	554095.9471	1268795.1434
SR9	19.74.00	428.00	554111.5362	1268807.7124
SR9	19.83.00	435.00	554100.5822	1268810.8761
SR9	20.21.50	610.00	553898.7132	1268799.8058
SR9	20.22.50	618.00	553889.2459	1268800.3633
SR9	20.23.00	603.00	553901.1648	1268809.8166
SR9	20.27.00	577.00	553914.8721	1268839.4370
SR9	20.28.50	622.00	553871.3549	1268825.7487
SR9	20.29.00	608.00	553882.7409	1268834.2845
SR9	20.30.00	616.00	553873.3191	1268835.3025

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 4th day of April, 2022.

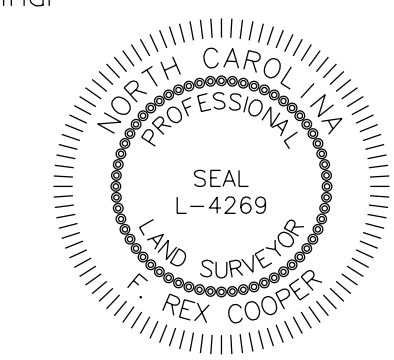
DocuSigned by:

 61DD1950E8574DD...
 Professional Land Surveyor

L-4269

DocuSigned by:

 61DD1950E8574DD...



NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

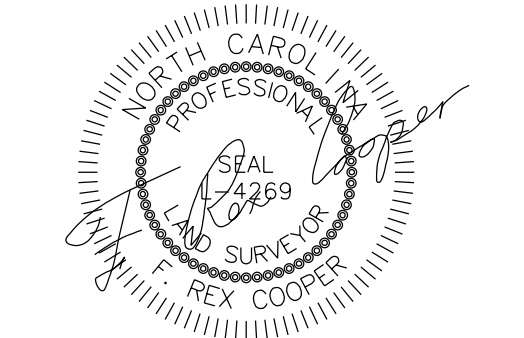
REVISIONS

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Location and Surveys



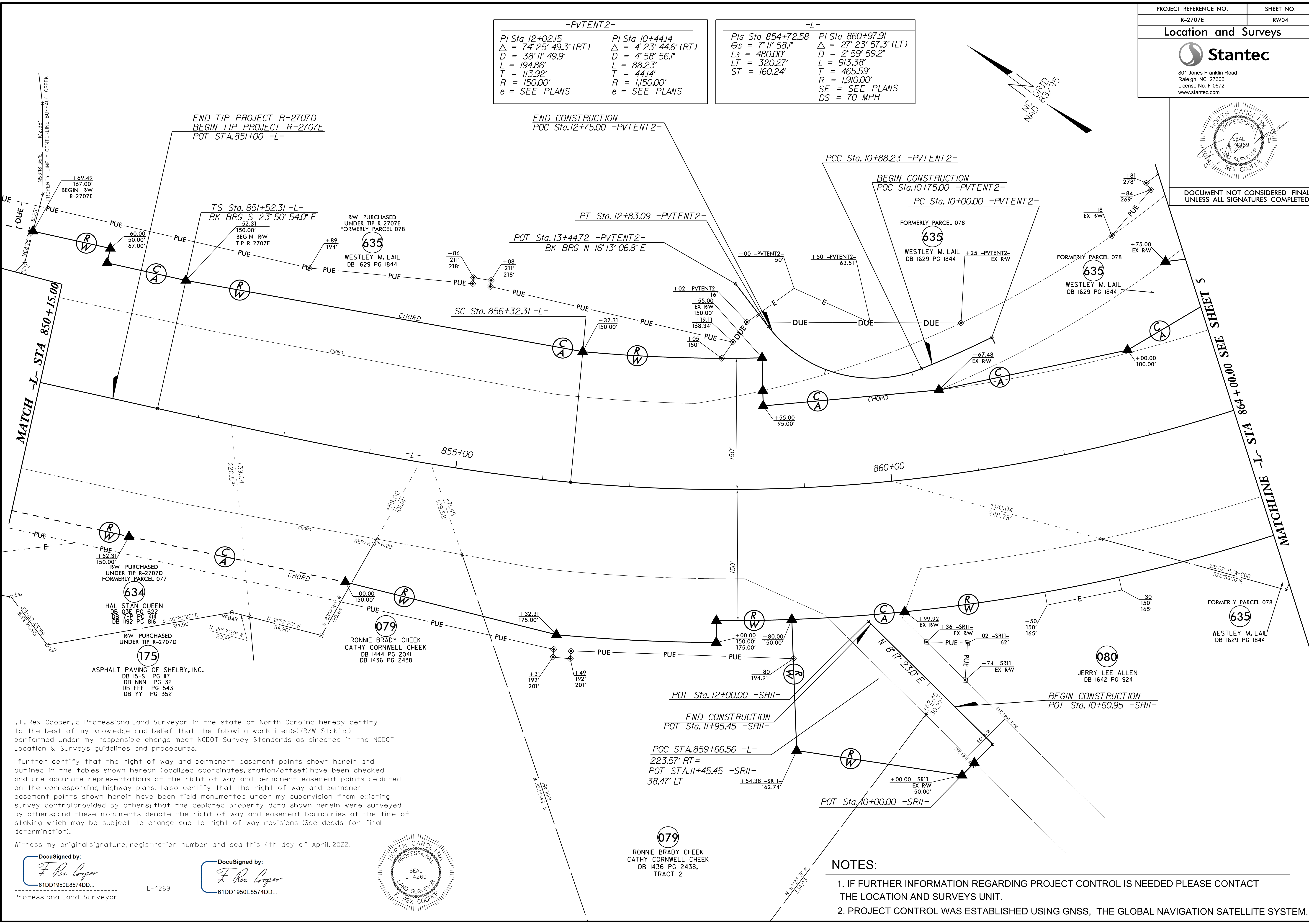
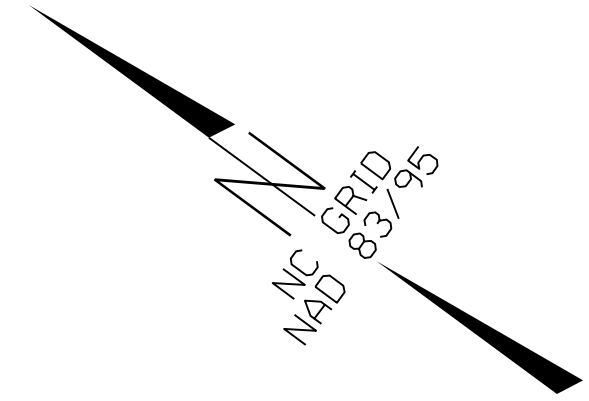
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-PVTENT2-	
PI Sta 12+02.15	PI Sta 10+44.14
$\Delta = 74^{\circ} 25' 49.3"$ (RT)	$\Delta = 4^{\circ} 23' 44.6"$ (RT)
D = 38' 11' 49.9'	D = 4' 58' 56.1'
L = 194.86'	L = 88.23'
T = 113.92'	T = 44.14'
R = 150.00'	R = 1,150.00'
e = SEE PLANS	e = SEE PLANS

-L-	
PIs Sta 854+72.58	PI Sta 860+97.91
$\Theta_s = 7^{\circ} 11' 58.1"$	$\Delta = 27^{\circ} 23' 57.3"$ (LT)
Ds = 480.00'	D = 2' 59' 59.2"
LT = 320.27'	L = 913.38'
ST = 160.24'	T = 465.59'
	R = 1,910.00'
	SE = SEE PLANS
	DS = 70 MPH



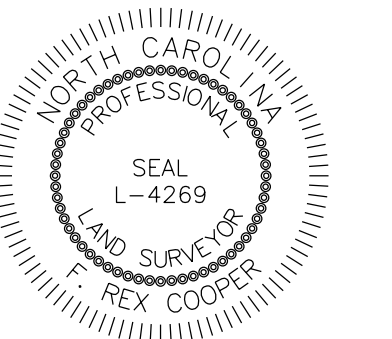
I, F. Rex Cooper, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and 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 4th day of April, 2022.

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

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



079
RONNIE BRADY CHEEK
CATHY CORNWELL CHEEK
DB 1436 PG 2438,
TRACT 2

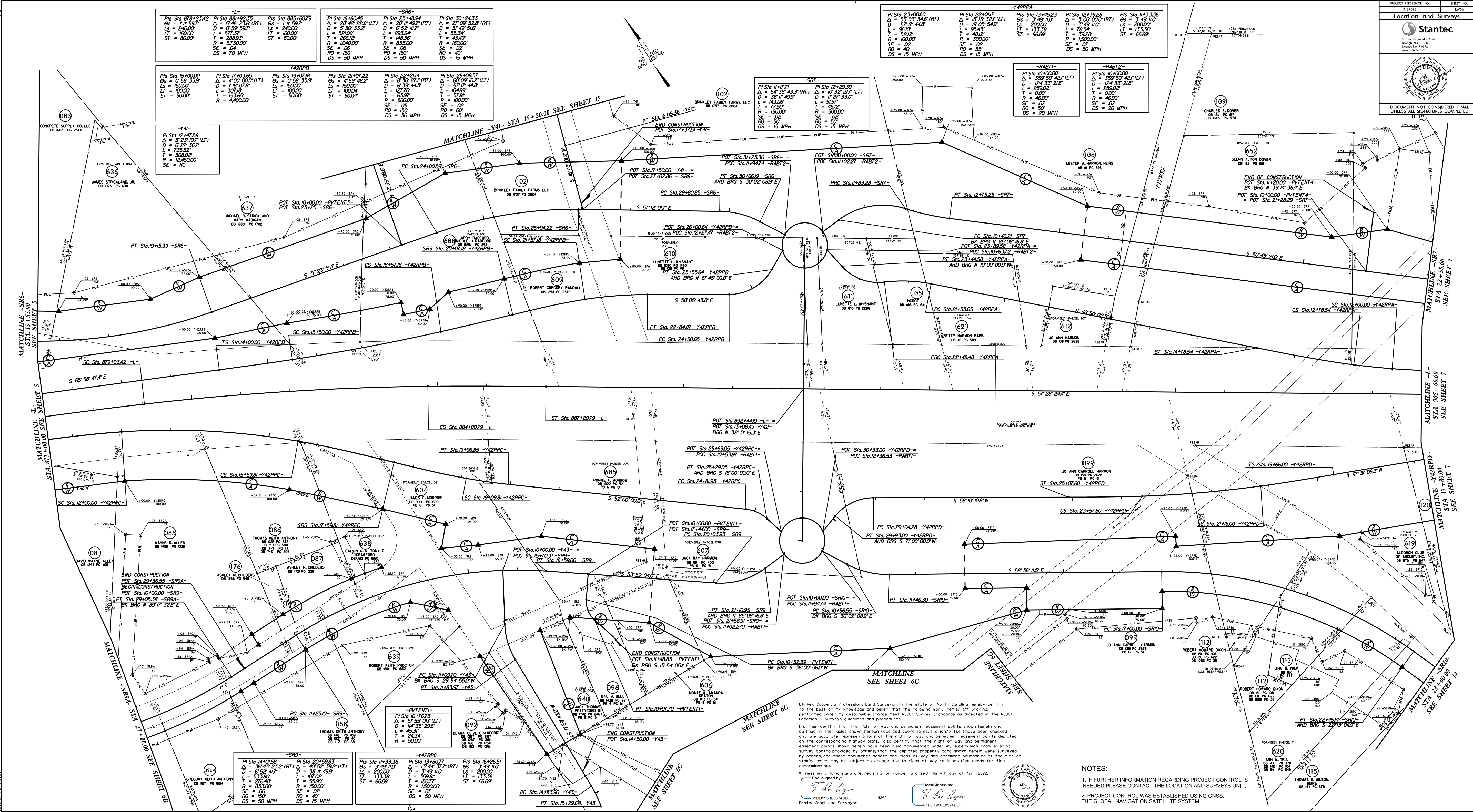
- NOTES:**
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
 - PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

6/2/22

REVISIONS

MATCHLINE -L- STA 864+00.00 SEE SHEET 5

MATCH -L- STA 850+15.00



-L- PI Sta 878+23.42 Δ = 11° 59' D = 24000' L = 16000' T = 8000' SE = 04' DS = 70 MPH	PI Sta 881+92.35 Δ = 5° 46' 23.6" (RT) D = 0 59' 35.9" L = 571.3' T = 288.5' SE = 04' DS = 70 MPH	PI Sta 885+102.79 Δ = 11° 59' D = 24000' L = 16000' T = 8000' SE = 04' DS = 70 MPH	PI Sta 16+60.45 Δ = 28° 42' 22.8" (LT) D = 5 33' 13.2" L = 5206.6' T = 2663.0' SE = 06' DS = 50 MPH	PI Sta 25+48.94 Δ = 20° 11' 49.7" (RT) D = 8 30' 21.1" L = 2935.4' T = 1463.6' SE = 06' DS = 50 MPH	PI Sta 30+24.33 Δ = 27° 09' 52.8" (RT) D = 31 49' 51.8" L = 853.4' T = 43.9' SE = 02' DS = 47 MPH
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-Y42RPA- PI Sta 15+00.00 Δ = 100° 00' 00" (LT) D = 18000' L = 18000' T = 5000' R = 44000' SE = 00' DS = 50 MPH	PI Sta 17+03.65 Δ = 100° 00' 00" (LT) D = 18000' L = 18000' T = 5000' R = 44000' SE = 00' DS = 50 MPH	PI Sta 19+07.18 Δ = 100° 00' 00" (LT) D = 18000' L = 18000' T = 5000' R = 44000' SE = 00' DS = 50 MPH	PI Sta 21+07.22 Δ = 100° 00' 00" (LT) D = 18000' L = 18000' T = 5000' R = 44000' SE = 00' DS = 50 MPH	PI Sta 21+21.14 Δ = 8 30' 21.1" (RT) D = 6 39' 44.5" L = 1277.0' T = 633.9' SE = 06' DS = 30 MPH	PI Sta 25+08.57 Δ = 60° 09' 52.8" (LT) D = 31 49' 51.8" L = 853.4' T = 43.9' SE = 02' DS = 47 MPH
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-Y41- PI Sta 12+47.58 Δ = 3° 23' 10.7" (LT) D = 0 27' 36.7" L = 755.0' T = 381.0' R = 1245000' SE = NC

-Y42RPA- PI Sta 23+00.00 Δ = 35° 03' 34.0" (RT) D = 57 17' 44.8" L = 9637.0' T = 5202.0' SE = 02' DS = 15 MPH	PI Sta 22+00.00 Δ = 18° 19' 32.1" (LT) D = 19 09' 54.9" L = 9637.0' T = 482.0' SE = 02' DS = 15 MPH	PI Sta 12+39.28 Δ = 3° 49' 11.0" (RT) D = 20000' L = 785.4' T = 392.8' R = 150000' SE = 07' DS = 50 MPH	PI Sta 11+33.36 Δ = 3° 49' 11.0" (RT) D = 20000' L = 785.4' T = 392.8' R = 150000' SE = 07' DS = 50 MPH
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-RAB1- PI Sta 10+00.00 Δ = 359° 59' 42.1" (LT) D = 124 33' 21.8" L = 2810.2' T = 0.00' R = 4600' SE = 02' DS = 20 MPH	-RAB2- PI Sta 10+00.00 Δ = 359° 59' 42.1" (LT) D = 124 33' 21.8" L = 2810.2' T = 0.00' R = 4600' SE = 02' DS = 20 MPH
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-SRT- PI Sta 11+17.71 Δ = 54° 38' 43.3" (RT) D = 38 17' 49.9" L = 143.05' T = 77.50' SE = 02' DS = 15 MPH	PI Sta 12+29.39 Δ = 107° 32' 21.7" (LT) D = 17 27' 33.0" L = 51.97' T = 46.61' SE = 02' DS = 15 MPH
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-PVTENT1- PI Sta 10+10.00 Δ = 11° 55' 01.1" (LT) D = 11 35' 29.6" L = 45.3' T = 24.3' R = 5000'

-SR9- PI Sta 14+00.00 Δ = 35° 43' 23.2" (RT) D = 6 52' 41.7" L = 533.9' T = 276.9' SE = 02' DS = 50 MPH	PI Sta 20+59.81 Δ = 40° 52' 30.2" (LT) D = 38 11' 49.9" L = 87.0' T = 55.9' SE = 02' DS = 15 MPH	PI Sta 11+33.36 Δ = 3° 49' 11.0" (RT) D = 20000' L = 785.4' T = 392.8' R = 150000' SE = 07' DS = 50 MPH	PI Sta 13+48.07 Δ = 15° 44' 37.4" (RT) D = 3 49' 11.0" L = 133.36' T = 66.68' R = 18000' SE = 02' DS = 50 MPH	PI Sta 15+26.51 Δ = 3° 49' 11.0" (RT) D = 20000' L = 785.4' T = 392.8' R = 150000' SE = 07' DS = 50 MPH
--	--	--	--	--

L. 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 items listed in the Stantec Location & Surveys job sheet and procedures.

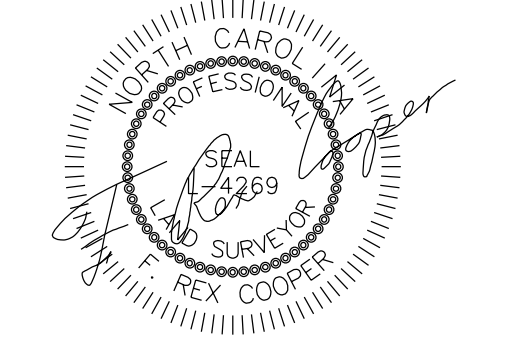
Further, I certify that the right of way and permanent easement points shown herein and outlined in the notes shown herein, located coordinates, stationing or feet have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding right-of-way 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 notes for final determination).

Witness my original signature, registration number and seal this 4th day of April, 2022.

Digitally signed by: *L. Rex Cooper*
 DN: cn=L. Rex Cooper, o=Professional Land Surveyor, email=L4269@11001900857400.com, c=US
 Digitally signed by: *L. Rex Cooper*
 DN: cn=L. Rex Cooper, o=Professional Land Surveyor, email=L4269@11001900857400.com, c=US

- 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.

Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

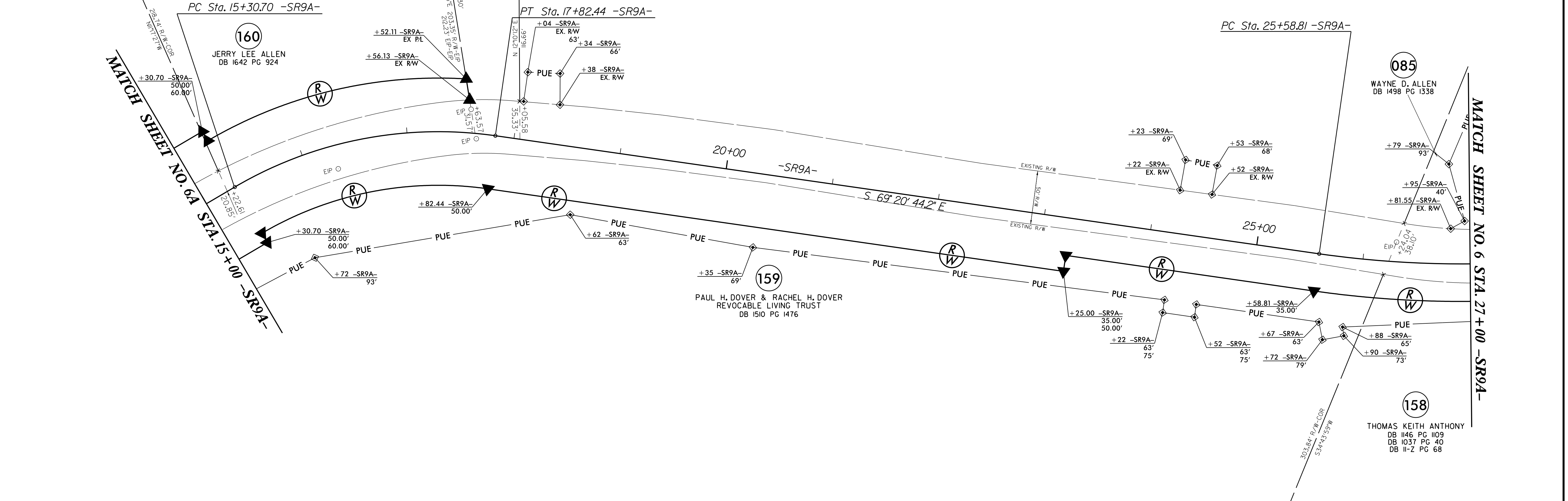
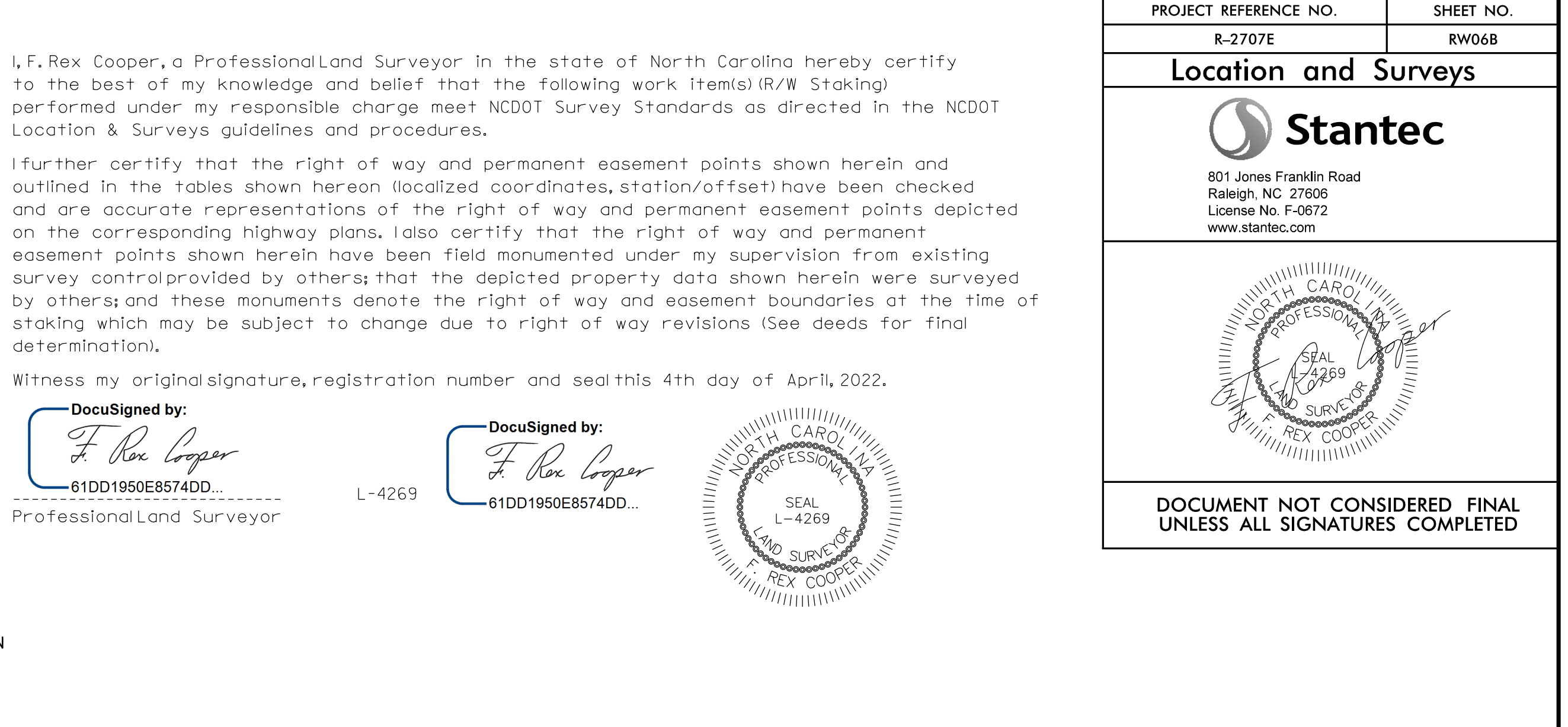
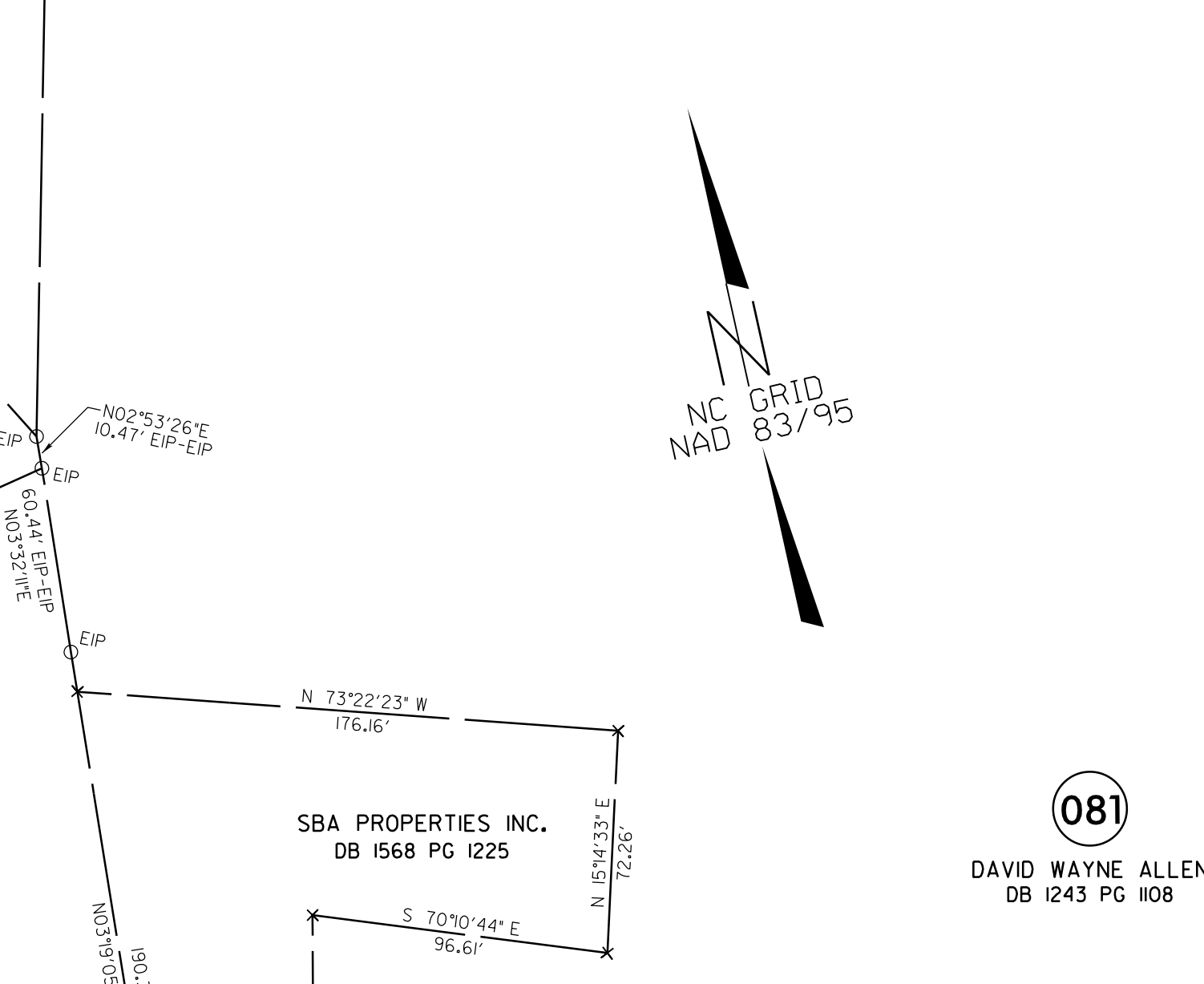
I, F. Rex Cooper, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and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

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 4th day of April, 2022.

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

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



NOTES:

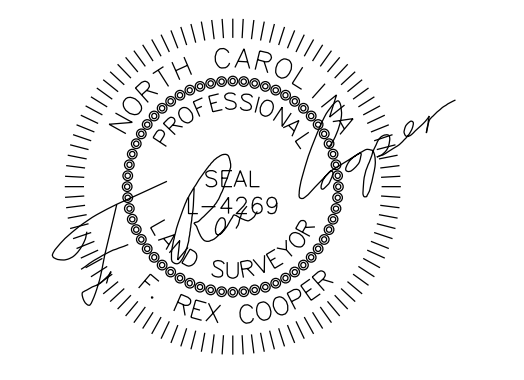
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

-SR9A-		
PI Sta 11+84.39	PI Sta 16+61.94	PI Sta 27+34.22
$\Delta = 10^\circ 40' 45.2''$ (LT)	$\Delta = 38^\circ 34' 37.7''$ (RT)	$\Delta = 21^\circ 21' 43.0''$ (LT)
D = 5' 12' 37.8"	D = 15' 19' 28.2"	D = 6' 09' 49.7"
L = 204.96'	L = 251.73'	L = 346.57'
T = 102.81'	T = 131.24'	T = 175.41'
R = 1,100.00'	R = 375.00'	R = 930.00'
SE = 0.04	SE = 0.04	SE = 0.04
DS = 50 mph	DS = 35 mph	DS = 50 mph

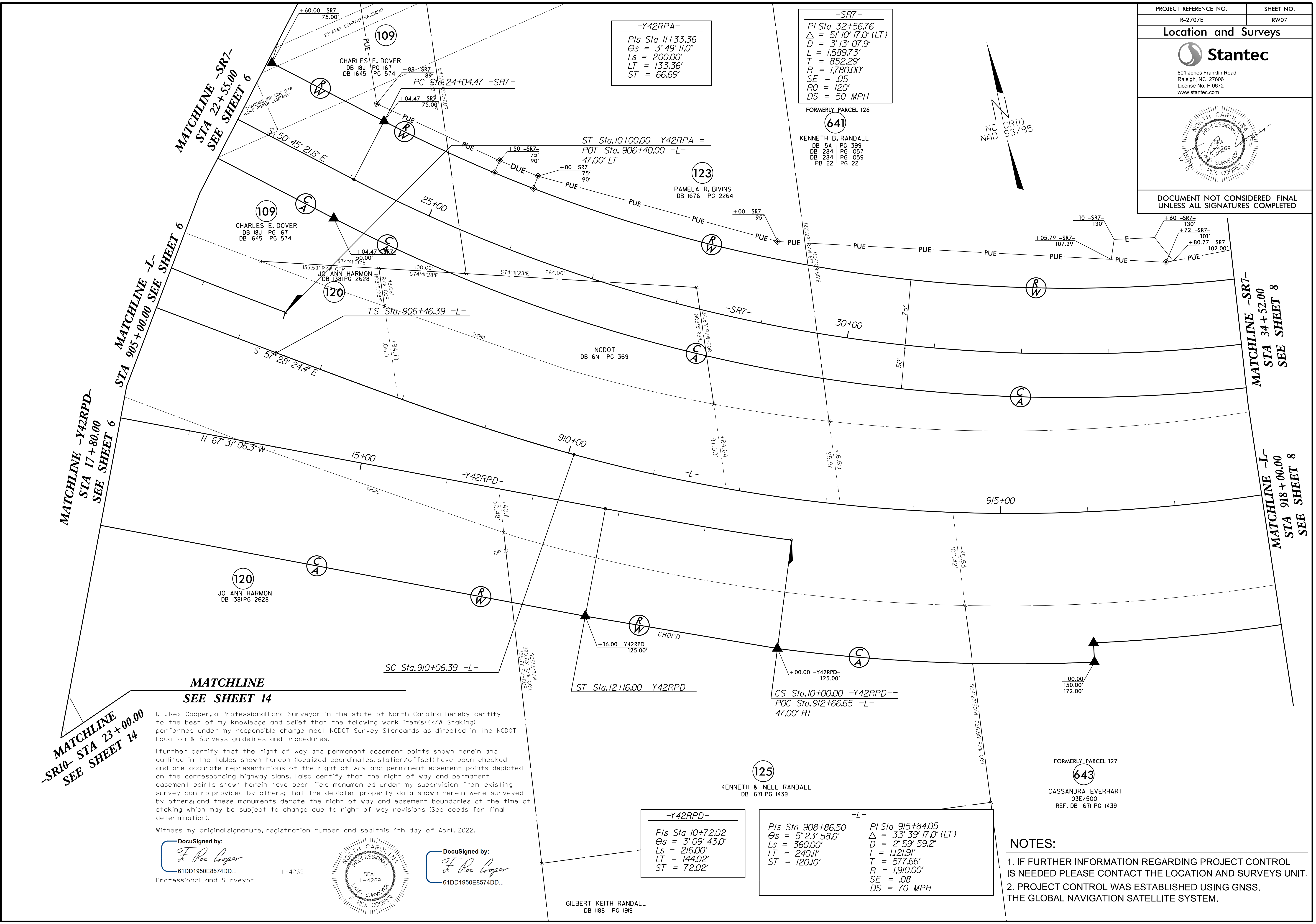
REVISIONS

6/2/22

Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-Y42RPA-
 Pls Sta 11+33.36
 $\Theta_s = 3^\circ 49' 11.0''$
 $L_s = 200.00'$
 $LT = 133.36'$
 $ST = 66.69'$

-SR7-
 Pls Sta 32+56.76
 $\Delta = 5^\circ 10' 17.0'' (LT)$
 $D = 3^\circ 13' 07.9''$
 $L = 1,589.73'$
 $T = 852.29'$
 $R = 1,780.00'$
 $SE = .05$
 $RO = 120'$
 $DS = 50 MPH$

-Y42RPD-
 Pls Sta 10+72.02
 $\Theta_s = 3^\circ 09' 43.0''$
 $L_s = 216.00'$
 $LT = 144.02'$
 $ST = 72.02'$

-L-
 Pls Sta 908+86.50
 $\Theta_s = 5^\circ 23' 58.6''$
 $L_s = 360.00'$
 $LT = 240.11'$
 $ST = 120.10'$

Pls Sta 915+84.05
 $\Delta = 3^\circ 39' 17.0'' (LT)$
 $D = 2^\circ 59' 59.2''$
 $L = 1,121.91'$
 $T = 577.66'$
 $R = 1,910.00'$
 $SE = .08$
 $DS = 70 MPH$

MATCHLINE -SR10-
 STA 23+00.00
 SEE SHEET 14

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 4th day of April, 2022.

DocuSigned by:

 61DD1950E8574DD... L-4269
 Professional Land Surveyor



DocuSigned by:

 61DD1950E8574DD...

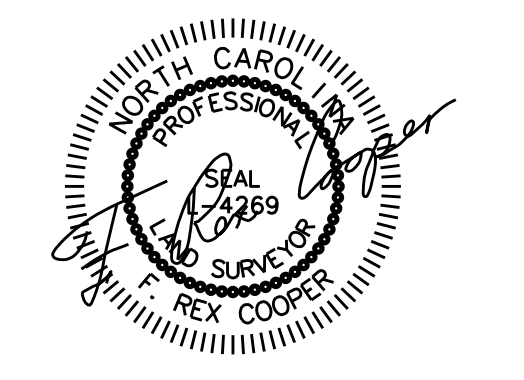
GILBERT KEITH RANDALL
 DB 1188 PG 1919

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

REVISIONS

6/2/22

Location and Surveys



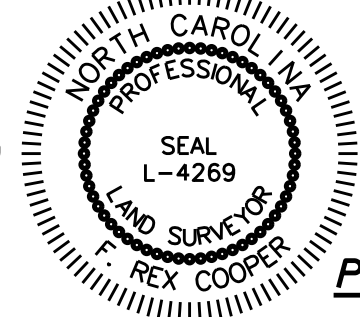
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. 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 for final determination.

Witness my original signature, registration number and seal this 14th day of December, 2022.

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



-PVTENT5-
 PI Sta 10+92.20
 $\Delta = 36^\circ 22' 28.9''$ (LT)
 $D = 114' 35.296''$
 $L = 317.4'$
 $T = 16.43'$
 $R = 500.0'$

-SR8-
 PI Sta 16+28.32
 $\Delta = 42^\circ 15' 48.9''$ (RT)
 $D = 5' 30.332''$
 $L = 767.14'$
 $T = 401.97'$
 $R = 1,040.00'$
 $SE = .06$
 $RO = 150'$
 $DS = 50$ MPH

ORMERLY PARCEL 126
 (641)
 KENNETH B. RANDALL
 DB 15A PG 399
 DB 1284 PG 1057
 DB 1284 PG 1059
 PB 22 PG 22

FORMERLY PARCEL 131
 (644)
 JOHN M. OVERMAN
 DB 1512 PG 1653

FORMERLY PARCEL 129
 (642)
 JACK WILLIAMS
 DB 122 PG 548

FORMERLY PARCEL 132
 (645)
 JAMES RALPH LEDBETTER & LORA M. LEDBETTER
 DB 1484 PG 398

FORMERLY PARCEL 127
 (643)
 CASSANDRA EVERHART
 DB 03E/500
 REF. DB 1671 PG 1439

(128)
 WILLIAM PRESTON HARMON, JR.
 DB 1232 PG 1503
 DB 1596 PG 2139

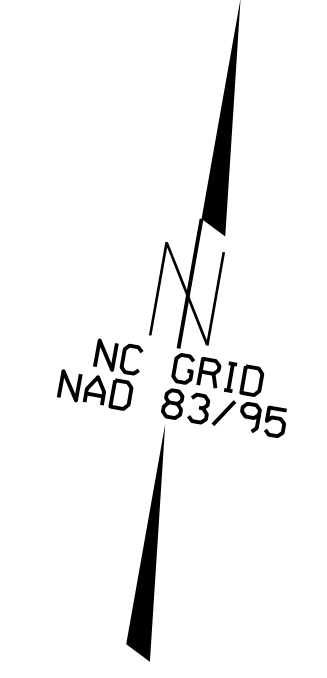
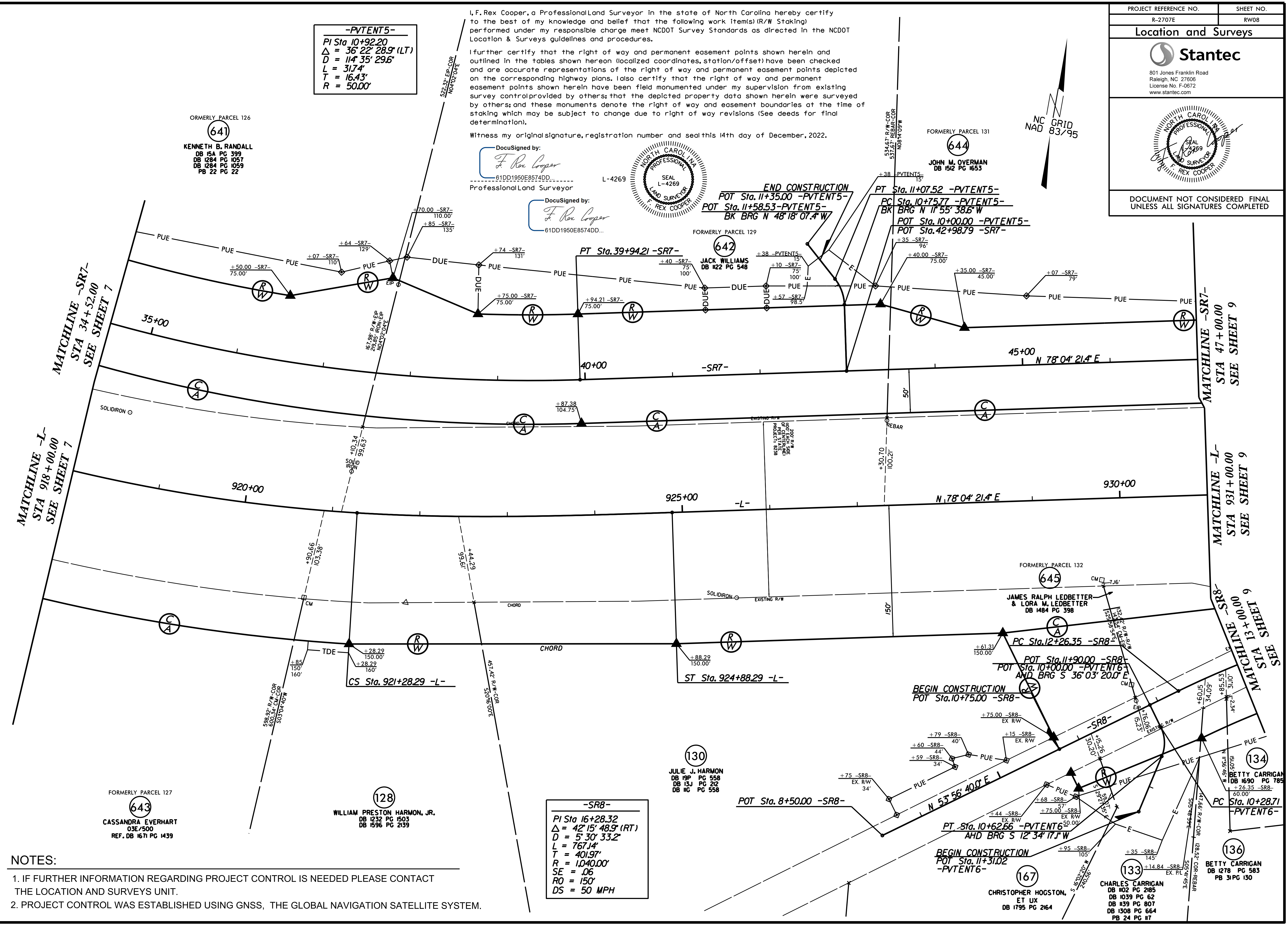
(130)
 JULIE J. HARMON
 DB 19P PG 558
 DB 15J PG 212
 DB 11G PG 558

(134)
 BETTY CARRIGAN
 DB 1690 PG 788
 DB 26.35 -SR8-

(136)
 BETTY CARRIGAN
 DB 1278 PG 583
 PB 31 PG 130

(133)
 CHRISTOPHER HOGSTON, ET UX
 DB 1795 PG 2164

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



REVISIONS

6/2/20

SYSTEM TIME: 12/14/2022 10:00:00 AM

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 4th day of April, 2022.

DocuSigned by:

F. Rex Cooper

61DD1950E8574DD...

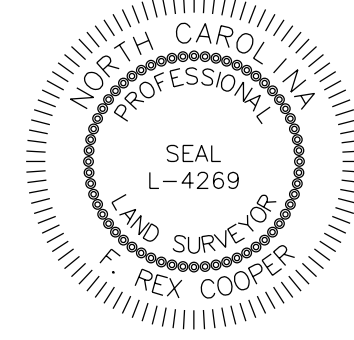
L-4269

Professional Land Surveyor

DocuSigned by:

F. Rex Cooper

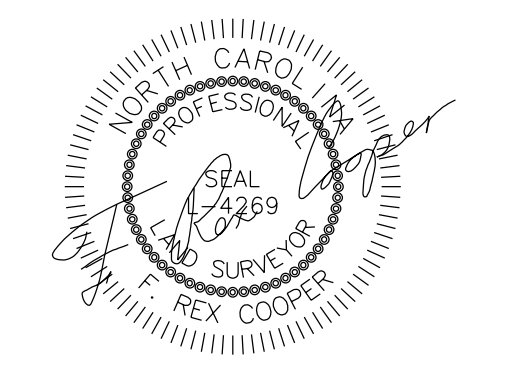
61DD1950E8574DD...



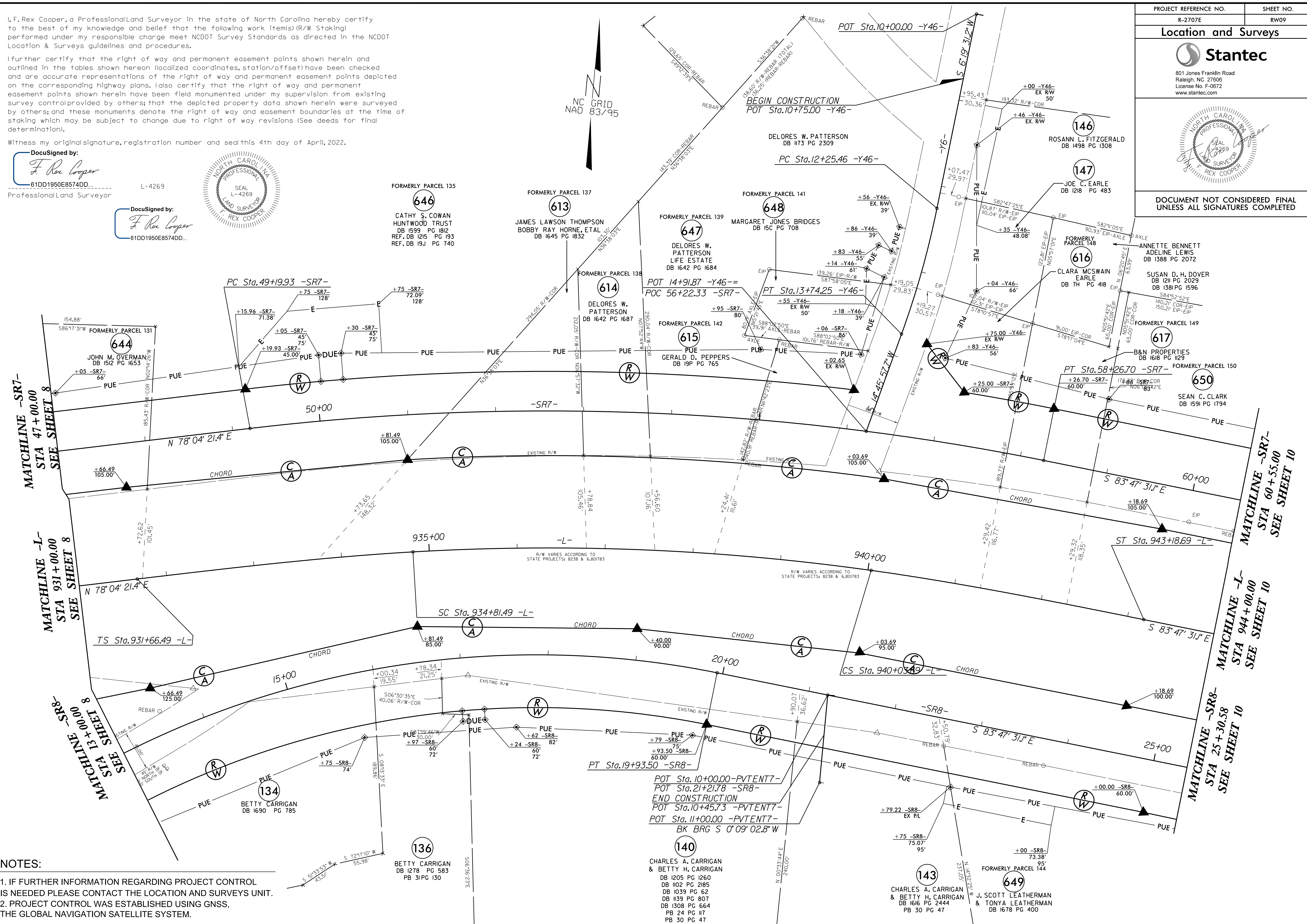
Location and Surveys



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Raleigh, NC 27608
License No. F-0672
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NOTES:

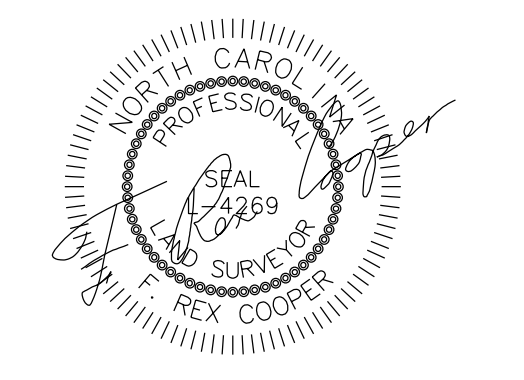
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REVISIONS

6/2/20

SYTIME\$\$\$\$\$
EDITIONS
\$\$\$\$\$

Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-SR7-
 PI Sta 74+83.67
 $\Delta = 17^{\circ} 55' 53.6''$ (LT)
 $D = 3^{\circ} 13' 07.9''$
 $L = 557.08'$
 $T = 280.83'$
 $R = 1,780.00'$
 $SE = .05$
 $RO = 120'$
 $DS = 50$ MPH

155
 JOHN L. ETTERS &
 ANGELA H. ETTERS
 DB 1550 PG 979, TRACT II

152
 GARRET S. DURBIN
 DB 1550 PG 975

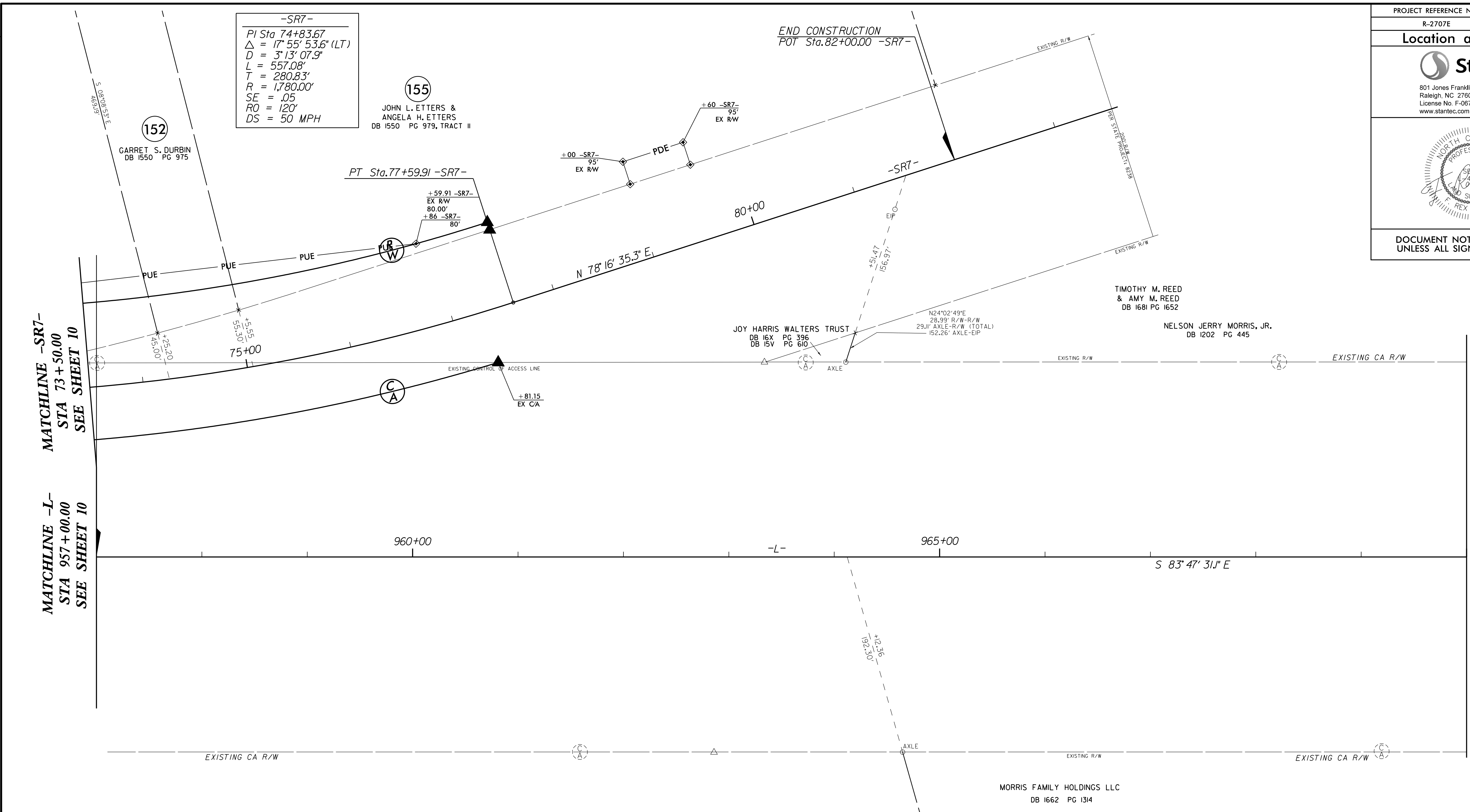
MATCHLINE -SR7-
 STA 73+50.00
 SEE SHEET 10

MATCHLINE -L-
 STA 957+00.00
 SEE SHEET 10

MATCHLINE -L-
 STA 970+00.00 SEE SHEET 12

6/2/22

REVISIONS



154
 JOY HARRIS WALTERS TRUST
 DB 16X PG 396
 DB 15V PG 610

MORRIS FAMILY HOLDINGS LLC
 DB 1662 PG 1314

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.

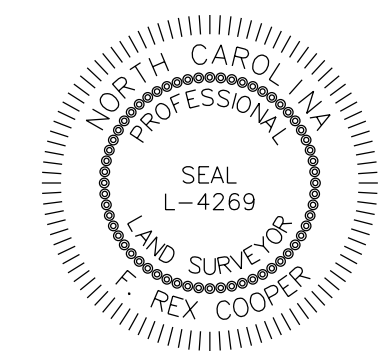
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Witness my original signature, registration number and seal this 4th day of April, 2022.

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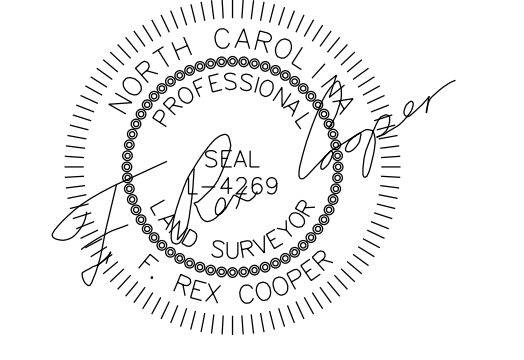
DocuSigned by:
F. Rex Cooper
 61DD1950E8574DD...
 Professional Land Surveyor



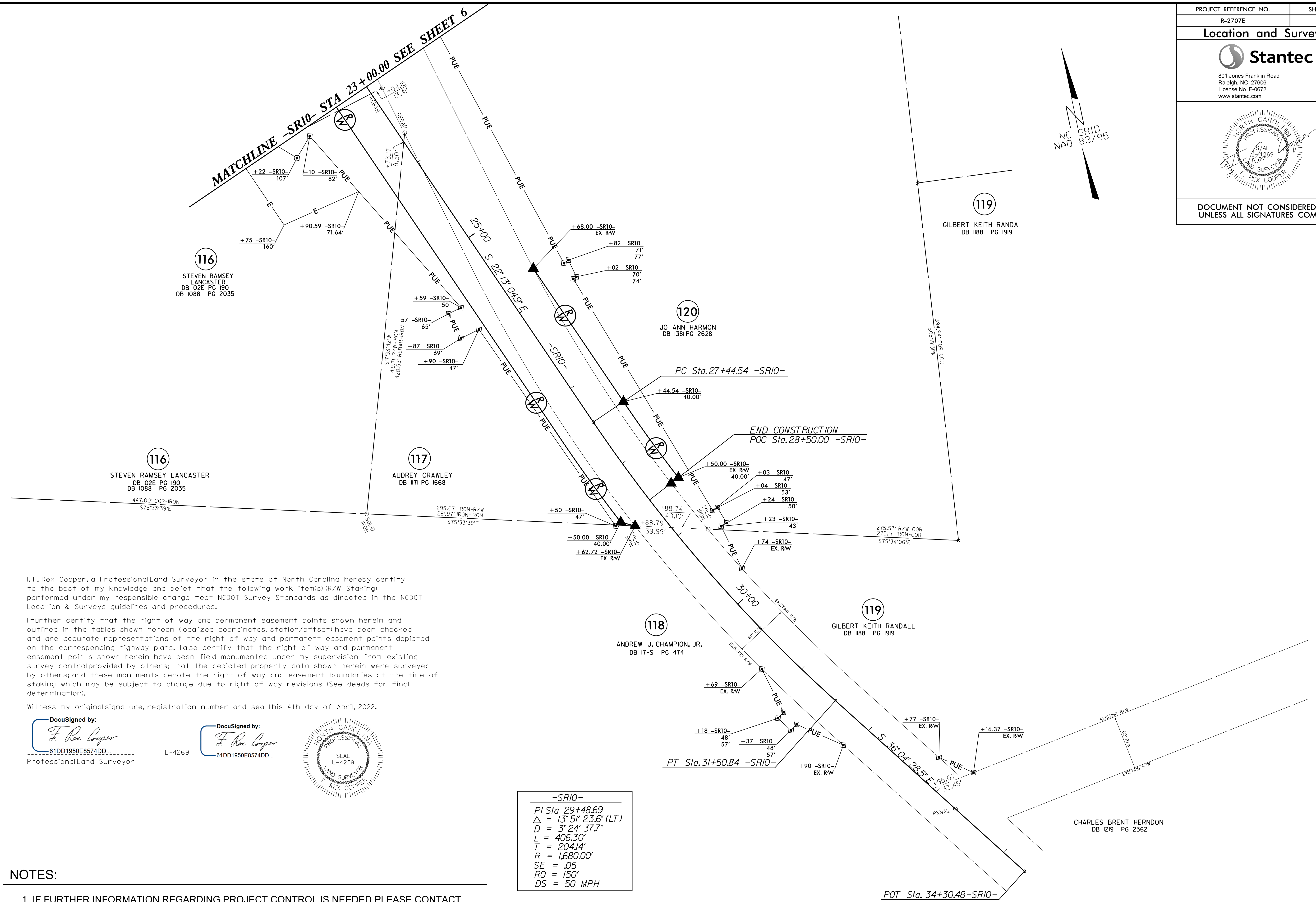
Location and Surveys



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Raleigh, NC 27606
License No. F-0672
www.stantec.com



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



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

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



-SR10-
PI Sta 29+48.69
$\Delta = 13^{\circ} 51' 23.6" (LT)$
$D = 3^{\circ} 24' 37.7"$
$L = 406.30'$
$T = 204.14'$
$R = 1,680.00'$
$SE = .05$
$RO = 150'$
$DS = 50 MPH$

NOTES:

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

REVISIONS

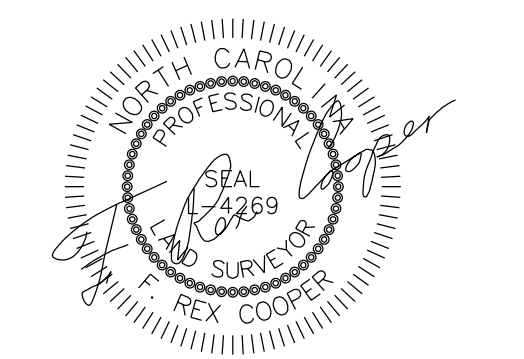
6/2/22

6/2/24

Location and Surveys



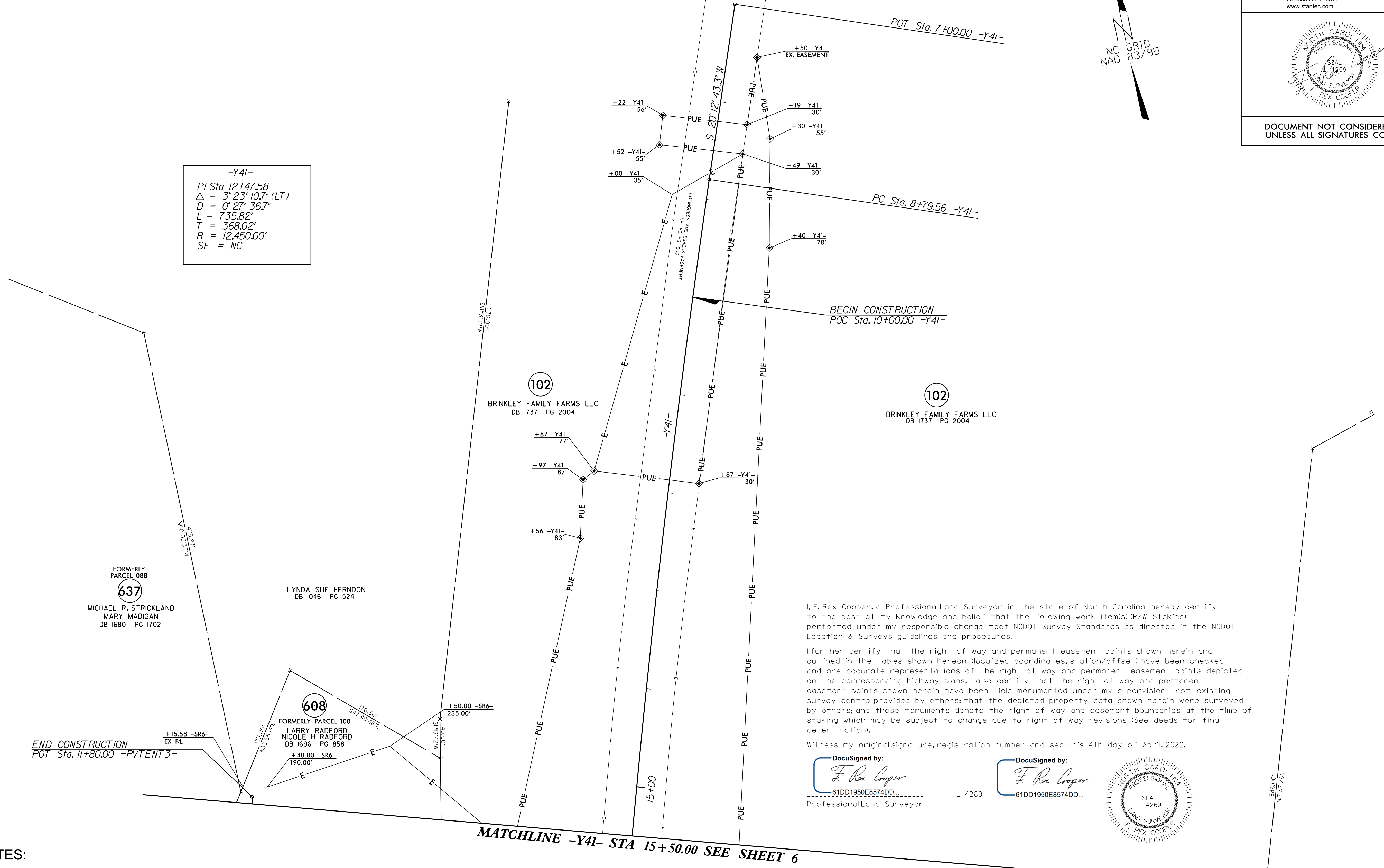
801 Jones Franklin Road
Raleigh, NC 27606
License No. F-0672
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-Y41-
 PI Sta 12+47.58
 $\Delta = 3' 23'' 10.7'' (LT)$
 $D = 0' 27'' 36.7''$
 $L = 735.82'$
 $T = 368.02'$
 $R = 12,450.00'$
 SE = NC



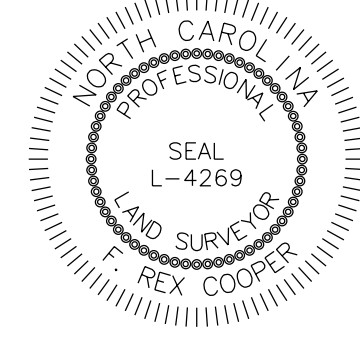
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DocuSigned by:
F. Rex Cooper
 61DD1950E8574DD...
 Professional Land Surveyor

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



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REVISIONS

SYTIME\$DINGS\$