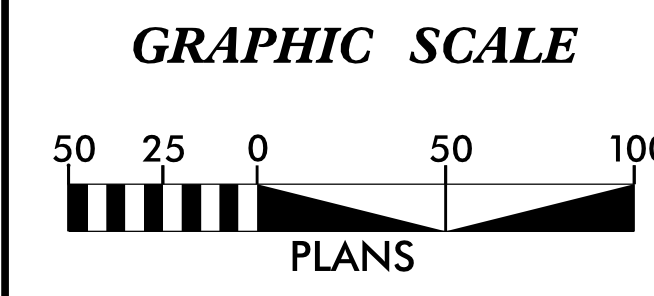
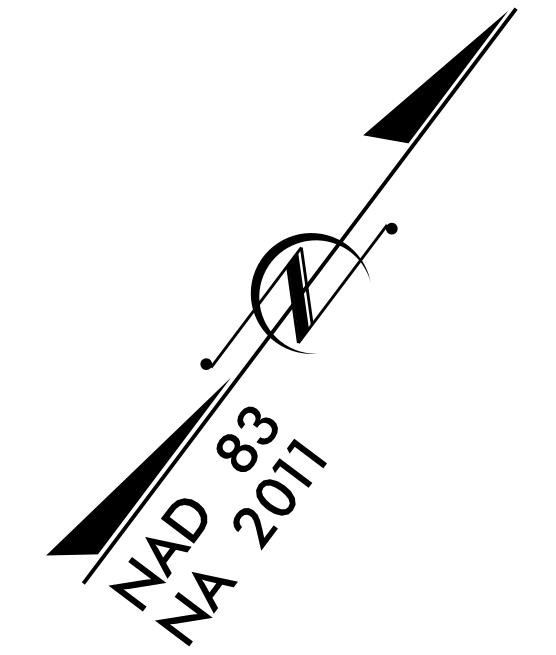
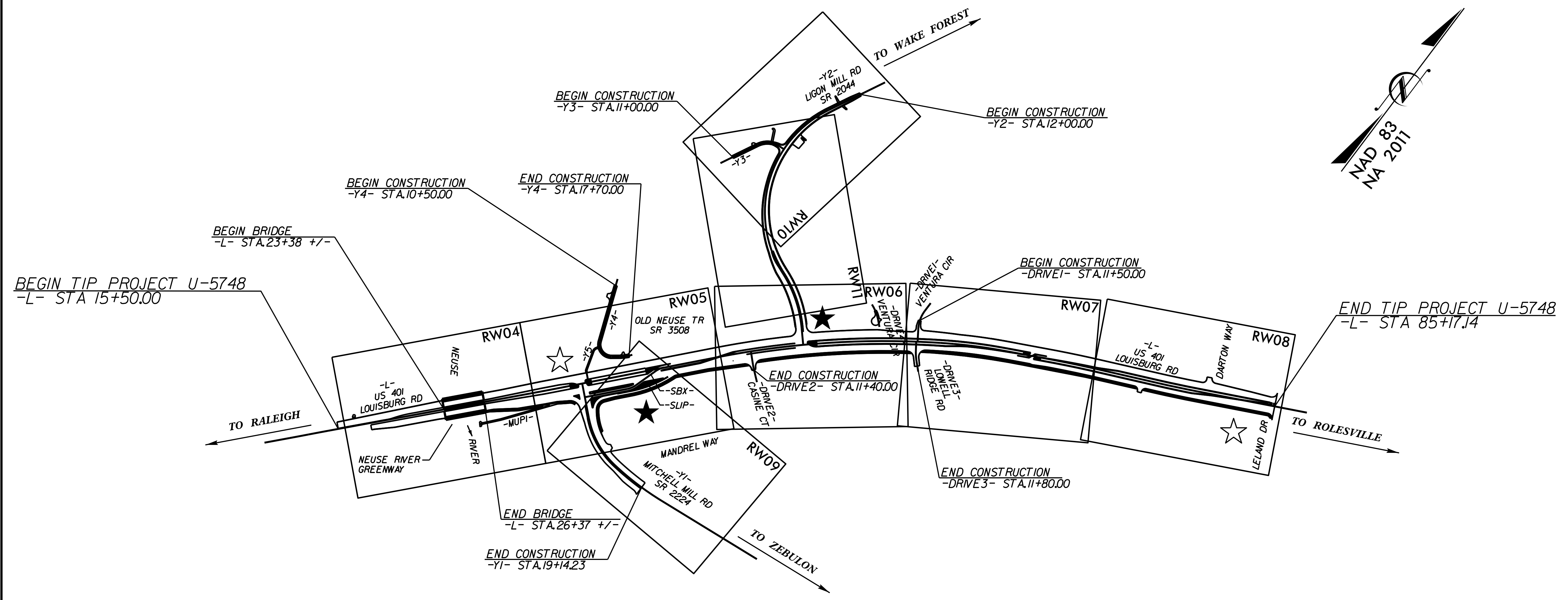


09/06/2019

TIP PROJECT: U-5748

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5748	RW01	11

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
 SURVEY CONTROL, EXISTING CENTERLINES,  
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES  
**WAKE COUNTY**



**DATUM DESCRIPTION**  
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U5748LOC-1" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 780863.6078(ft) EASTING: 2142049.0799(ft) ELEVATION: N/A(ft)  
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99992602  
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U5748LOC-1" TO -L- STATION 15+50.00 IS S 32°35'43.7" W 5,324.82(ft)  
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD88 AND BASED OFF "U5748-5" (ELEV.=293.449')

Prepared in the Office of:

**NIVIS**

NIVS ENGINEERS & CONSULTANTS, INC.  
 3300 REGENCY PARKWAY, SUITE 100  
 CARY, NC 27518  
 P: 919.851.1912 www.NIVS.com  
NC License # F-4333 Formerly CALIX Engineers & Consultants

2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
**FEBRUARY 19, 2021**

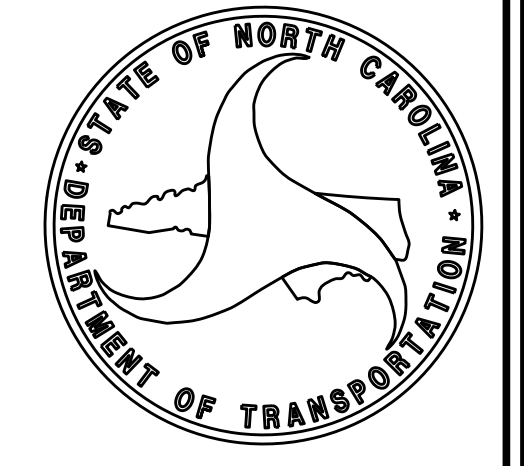
**LETTING DATE:**  
**OCTOBER 18, 2022**

PROFESSIONAL LAND SURVEYOR




DocuSigned by:  
**C. Andrew Heath, Jr.**  
20201483929747F..

Date:  
**4/23/2021**

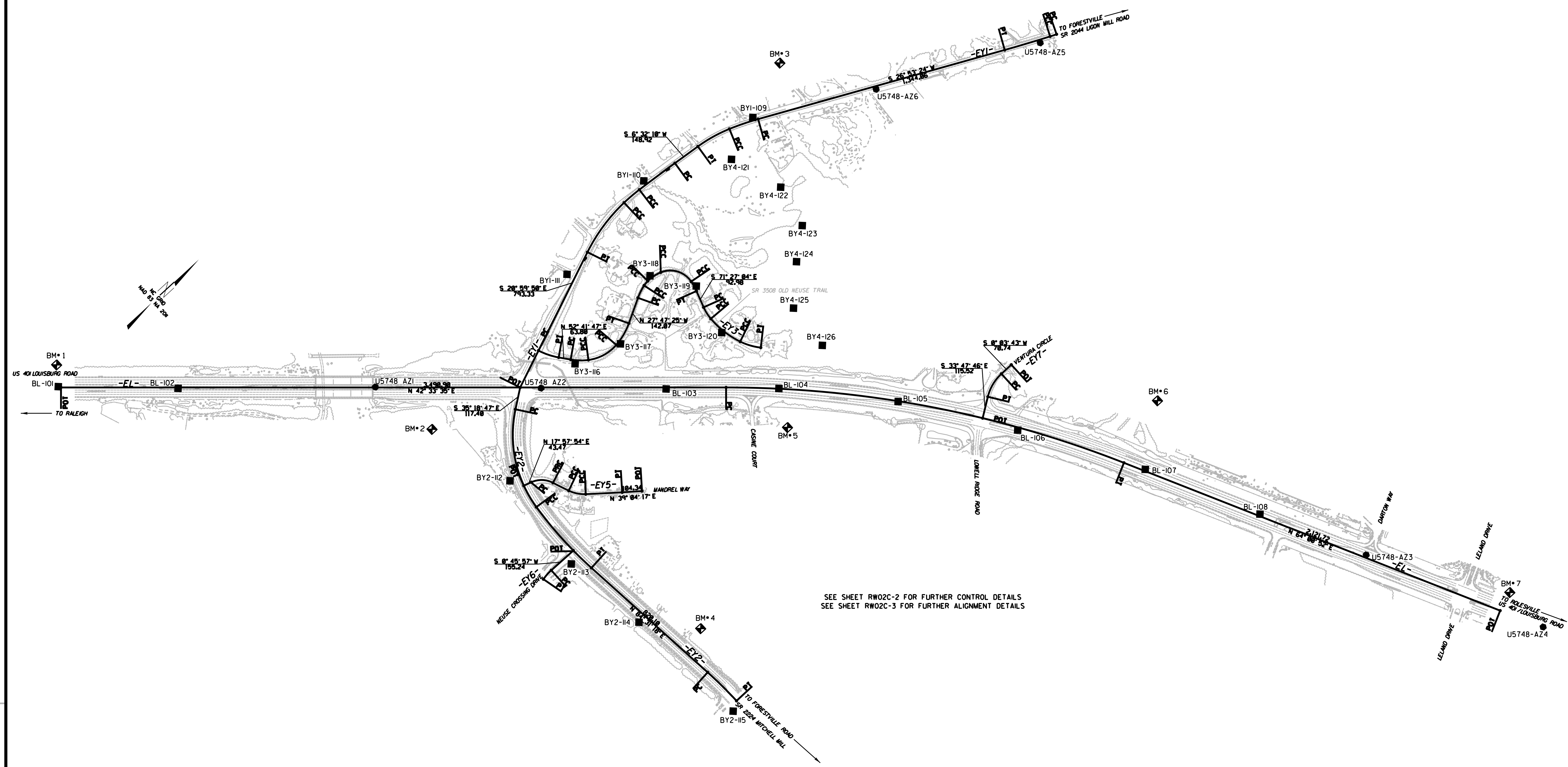


\$\$\$\$\$ SYSTEM TIME\$\$\$\$\$  
 \$\$\$ DDNN\$\$\$\$\$  
 \$\$\$ USER NAME\$\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
U-5748	RW02C-1
Location and Surveys	
 <b>CALYX</b> ENGINEERS + CONSULTANTS 7500 EAST INDEPENDENCE BOULEVARD, SUITE 100 CHARLOTTE, NC 28227 phone: 704.537.2900 CALYXengineers.com NC License # F-1333	

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEET RW02C-2 FOR FURTHER CONTROL DETAILS  
 SEE SHEET RW02C-3 FOR FURTHER ALIGNMENT DETAILS

**NOTES:**


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

REVISIONS

24-JUN-2019 10:11 AM C:\Projects\2019\Submittal\2nd Submittal\U5748\_1s\_rw02c-1.dgn  
 AT SCRANFORD-10-04

# SURVEY CONTROL SHEET

## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-5748	RW02C-2
Location and Surveys	
 <b>CALYX</b> <small>ENGINEERS - CONSULTANTS</small> 7500 EAST INDEPENDENCE BOULEVARD, SUITE 100 CHARLOTTE, NC 28227 phone: 704.533.7300 CALYXengineers.com NC License # F-1333	

BL POINT	DESC.	NORTH	EAST	ELEVATION
101	BL-101	775964.0070	2138796.3500	208.93
102	BL-102	776421.1240	2139229.1370	203.53
1	U5748 AZ-1	777180.6320	2139923.6170	202.56
2	U5748 AZ-2	777825.2970	2140515.8740	203.23
103	BL-103	778385.7110	2140963.1750	219.78
104	BL-104	778743.3930	2141361.7970	237.72
105	BL-105	779157.9990	2141835.4530	254.63
106	BL-106	779510.8760	2142378.4140	265.45
107	BL-107	779872.4840	2142975.1140	291.79
108	BL-108	780156.8640	2143555.4160	318.00
3	U5748 AZ-3	780422.8110	2144090.2940	331.38
4	U5748 AZ-4	780851.0940	2144997.2000	326.86
BY1 POINT	DESC.	NORTH	EAST	ELEVATION
5	U5748 AZ-5	780981.0950	2140953.0160	293.45
6	U5748 AZ-6	780182.0780	2140549.6730	265.01
109	BY1-109	779685.0170	2140220.8500	257.01
110	BY1-110	778955.1050	2140879.3100	236.58
111	BY1-111	778329.6800	2140168.0990	224.01
E02	U5748 AZ-2	777825.2970	2140515.8740	203.23
BY2 POINT	DESC.	NORTH	EAST	ELEVATION
E0A2	U5748 AZ-2	777825.2970	2140515.8740	203.23
112	BY2-112	777376.0610	2140764.0560	228.88
113	BY2-113	777317.6760	2141303.1330	252.49
114	BY2-114	777372.4550	2141768.9280	249.37
115	BY2-115	777420.8120	2142447.1020	260.95
BY3 POINT	DESC.	NORTH	EAST	ELEVATION
E0B2	U5748 AZ-2	777825.2970	2140515.8740	203.23
116	BY3-116	778043.0030	2140542.8320	204.34
117	BY3-117	778209.5080	2140626.6790	217.05
118	BY3-118	778645.4210	2140466.1930	230.50
119	BY3-119	778780.0010	2140672.2580	246.70
120	BY3-120	778720.9670	2140942.4210	249.89
E0104	BL-104	778743.3930	2141361.7970	237.72
BY4 POINT	DESC.	NORTH	EAST	ELEVATION
E0109	BL-109	779685.0170	2140220.8500	UNKNOWN
121	BY4-121	779373.8110	2140387.2740	256.00
122	BY4-122	779465.1990	2140589.6060	246.29
123	BY4-123	779412.2560	2140814.5790	235.90
124	BY4-124	779261.8490	2140933.0540	257.22
125	BY4-125	779085.1880	2141102.7910	261.14
126	BY4-126	779054.4520	2141349.0780	252.21
E0A104	BL-104	778743.3930	2141361.7970	237.72

.....  
 BM1 ELEVATION = 207.99  
 N 776035 E 2138707  
 EL STATION 10+00.00  
 N 58+22'35.8" W DIST 120.63  
 RRSPIKE IN 18" OAK  
 .....

.....  
 BM2 ELEVATION = 198.37  
 N 777257 E 2140200  
 EL STATION 29+47.00 220 RIGHT  
 RRSPIKE IN 11" OAK  
 .....

.....  
 BM3 ELEVATION = 248.90  
 N 779903 E 2140107  
 EY1 STATION 24+39.00 253 RIGHT  
 RRSPIKE IN 16" PINE  
 .....

.....  
 BM4 ELEVATION = 255.66  
 N 777589 E 2142013  
 EY2 STATION 27+29.00 146 LEFT  
 RRSPIKE IN 14" WALNUT  
 .....

.....  
 BM5 ELEVATION = 244.65  
 N 778638 E 2141543  
 EL STATION 40+25.00 201 RIGHT  
 RRSPIKE IN 17" PINE  
 .....

.....  
 BM6 ELEVATION = 279.65  
 N 780164 E 2142753  
 EL STATION 66+73.00 368 LEFT  
 RRSPIKE IN 24" HICKORY  
 .....

.....  
 BM7 ELEVATION = 338.90  
 N 780845 E 2144745  
 EL STATION 87+50.00  
 N 19+20'53.2" W DIST 100.00  
 RRSPIKE IN 16" PINE  
 .....

### 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.

# SURVEY CONTROL SHEET

## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

E1		N	E	BEARING	DIST	DELTA	D	L	T	R
POINT		779371.673	2138893.327	N 42°33'35.3" E	34.88					
LINE		778942.969	2141178.427	N 53°17'13.8" E	2125.17	21°27'17.8" (RT)	81°00'13.2"	2137.64	1881.48	5788.65
LINE		779814.486	2142874.881	N 64°00'52.3" E	2121.72					
POINT		788743.823	2144781.277							

EY1		N	E	BEARING	DIST	DELTA	D	L	T	R
POINT		781824.215	2148977.779	S 23°09'37.5" W	36.76	81°43'02.6" (RT)	84°48'09.8"	36.76	17.88	1192.98
LINE		781842.891	2148963.144	S 26°57'16.6" W	248.78	81°52'14.9" (RT)	88°45'07.9"	248.71	124.37	781712
LINE		788818.476	2148894.238	S 26°53'24.0" W	1344.86					
LINE		779619.737	2148246.487	S 23°31'38.5" W	155.29	86°27'47.8" (L)	84°03'19.8"	155.37	75.77	1412.87
LINE		779473.836	2148182.486	S 13°28'53.6" W	185.95	15°53'26.9" (L)	87°18'59.6"	185.85	96.48	783.18
POINT		779289.664	2148138.333	S 86°32'18.1" W	149.92					
LINE		779141.787	2148121.381	S 85°58'17.8" W	233.82	81°24'06.7" (L)	88°35'39.8"	233.83	116.52	9639.61
LINE		778989.894	2148897.656	S 82°07'21.6" W	186.95	85°03'24.6" (L)	85°44'48.8"	186.44	62.77	997.41
LINE		778884.579	2148874.763	S 18°57'05.3" E	322.97	28°06'29.4" (L)	86°11'28.2"	324.63	164.88	926.77
LINE		778487.437	2148156.111	S 28°55'58.8" E	793.33					
POINT		777746.838	2148493.378							

EY2		N	E	BEARING	DIST	DELTA	D	L	T	R
POINT		777746.838	2148493.378	S 35°18'47.9" E	117.48					
LINE		777651.838	2148607.241	S 59°38'15.6" E	624.52	48°22'56.3" (L)	88°57'08.9"	648.44	287.51	648.88
LINE		777384.858	2148993.284	S 89°38'12.7" E	431.18	11°46'57.9" (L)	82°43'42.1"	431.86	216.69	2188.88
LINE		777381.749	2141298.292	N 84°31'18.3" E	828.18					
LINE		777468.843	2142286.658	N 87°18'26.9" E	212.87	85°18'17.2" (RT)	82°29'28.8"	212.96	186.66	2388.88
POINT		777478.538	2142419.263							

EY3		N	E	BEARING	DIST	DELTA	D	L	T	R
POINT		777948.782	2148361.981	N 61°19'04.9" E	111.98	17°14'35.1" (L)	15°21'03.9"	112.33	56.99	373.24
LINE		778882.218	2148468.872	N 52°41'47.4" E	63.88					
LINE		778841.874	2148510.819	N 43°44'32.2" E	93.28	17°44'38.9" (L)	18°56'36.1"	93.66	47.21	382.46
LINE		778188.373	2148876.415	N 14°18'14.7" E	186.14	21°34'04.6" (L)	24°28'27.1"	185.84	88.85	234.11
LINE		778283.481	2148816.889	N 17°12'06.5" W	131.14	21°18'37.8" (L)	16°03'23.3"	131.89	66.71	366.84
LINE		778394.737	2148577.385	N 27°47'26.5" W	142.87					
LINE		778528.418	2148811.868	N 28°56'55.1" W	72.58	13°41'08.3" (RT)	18°49'47.2"	72.67	36.51	384.28
LINE		778588.122	2148485.149	N 88°19'33.5" W	38.21	11°33'31.8" (RT)	38°11'49.9"	38.26	16.18	168.88
LINE		778518.813	2148488.773	N 88°54'16.7" E	82.23	22°54'21.4" (RT)	27°48'12.9"	82.78	41.96	287.87
LINE		778595.263	2148493.582	N 54°26'44.7" E	186.45	78°08'34.9" (RT)	43°23'27.1"	188.89	187.28	132.85
LINE		778733.513	2148636.819	S 76°28'38.8" E	97.22	18°02'54.9" (RT)	17°32'23.1"	97.29	28.72	326.66
LINE		778718.532	2148692.449	S 71°27'03.5" E	92.38					
LINE		778748.362	2148788.681	S 79°34'15.1" E	71.17	16°14'31.2" (L)	22°44'44.9"	71.41	36.94	261.98
LINE		778728.871	2148858.934	N 88°27'48.8" E	196.17	23°41'38.7" (L)	12°03'09.7"	196.67	99.71	476.38
LINE		778768.214	2141843.867	N 58°52'36.2" E	112.54	19°24'39.8" (L)	17°09'57.6"	113.88	67.89	333.77
POINT		778818.527	2141193.439							

EY5		N	E	BEARING	DIST	DELTA	D	L	T	R
POINT		777472.198	2148832.886	N 17°57'53.9" E	43.47					
LINE		777493.544	2148846.494	N 44°04'21.4" E	113.68	52°12'54.8" (RT)	44°23'24.4"	117.63	63.26	129.87
LINE		777536.168	2148924.518	N 69°04'42.4" E	92.68	82°12'12.6" (L)	82°22'45.9"	92.61	46.31	2487.99
LINE		777588.227	2141811.886	N 54°08'08.9" E	98.73	27°48'54.4" (L)	38°12'48.4"	91.62	46.72	189.64
LINE		777621.384	2141884.536	N 39°48'53.5" E	191.68	81°14'24.9" (L)	88°38'17.8"	191.68	96.86	8976.73
LINE		777788.899	2141286.932	N 39°04'17.2" E	184.34					
POINT		777849.982	2141272.696							

EY6		N	E	BEARING	DIST	DELTA	D	L	T	R
POINT		777373.296	2141258.948	S 88°26'57.8" W	156.24					
LINE		777218.878	2141256.873	S 86°04'13.1" E	82.46	13°48'28.9" (L)	21°58'18.9"	82.61	31.45	282.36
POINT		777195.982	2141263.477							

EY7		N	E	BEARING	DIST	DELTA	D	L	T	R
POINT		779726.381	2142896.158	S 88°03'42.6" W	78.74					
LINE		779665.641	2142896.873	S 16°42'01.7" E	199.77	33°51'28.6" (L)	23°52'23.7"	141.82	73.86	248.88
LINE		779521.884	2142136.628	S 33°47'46.8" E	116.52					
POINT		779426.886	2142199.884							

**NOTES:**

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2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/09

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# PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5748	RW02D-1
<b>Location and Surveys</b>	
<b>NIV5</b>	
<small>NV5 ENGINEERS &amp; CONSULTANTS, INC.          3300 REGENCY PARKWAY, SUITE 100          CARY, NC 27518          P: 919.851.1912 www.NV5.com          NC License # F-15333          formerly C&amp;V Engineers &amp; Consultants</small>	

	L	NORTH	EAST
POT	10+00.00	775971.6733	2138809.3275
PC	11+85.00	776107.9391	2138934.4540
PRC	13+28.24	776213.7917	2139030.9570
PT	14+74.28	776321.7037	2139129.3515
PC	30+06.69	777450.2940	2140165.9736
PT	32+03.96	777596.2301	2140298.6966
TS	42+87.42	778401.3697	2141023.7159
SC	44+87.42	778549.2851	2141158.3271
CS	60+19.72	779535.2978	2142326.3658
SC	61+19.72	779589.3011	2142410.5279
CS	63+80.96	779719.8812	2142636.7255
ST	65+80.96	779810.4961	2142815.0127
PC	68+22.17	779917.8443	2143031.0190
PT	71+78.24	780069.7018	2143353.0517
PC	76+46.37	780260.6117	2143780.4886
PT	79+35.95	780383.1072	2144042.8649
POT	87+57.41	780743.0233	2144781.2772

	Y1	NORTH	EAST
POT	10+00.00	777718.7420	2140409.0172
PC	12+58.32	777545.7305	2140600.8454
PCC	16+57.58	777384.8578	2140959.2040
PT	20+89.44	777381.7494	2141390.2922
POT	29+09.54	777460.0429	2142206.6504

	DRIVE1	NORTH	EAST
POT	10+00.00	779726.3812	2142095.1498
PC	10+70.74	779655.6408	2142095.0734
PT	12+12.56	779521.8843	2142135.6279
POT	13+08.09	779442.4987	2142188.7641

	Y2	NORTH	EAST
POT	10+00.00	780818.4746	2140854.2980
PC	14+61.90	780406.5181	2140645.3908
PRC	28+64.39	779249.1331	2141097.6424
PT	32+92.34	779011.7917	2141448.9100
POT	34+16.68	778919.8703	2141532.6461

	DRIVE2	NORTH	EAST
POT	10+00.00	778651.0729	2141255.0583
PC	11+00.49	778581.0440	2141327.1324
PT	11+28.62	778562.2493	2141348.0522
POT	12+30.16	778497.3914	2141426.1782

	Y3	NORTH	EAST
POT	10+00.00	779619.7372	2140246.4066
PC	13+04.73	779891.5179	2140384.2292
PT	14+71.62	779978.8807	2140517.5943
POT	15+10.84	779981.1687	2140556.7429

	DRIVE3	NORTH	EAST
POT	10+00.00	779436.6799	2142180.3894
PC	10+69.21	779379.8724	2142219.9276
PT	11+40.52	779325.7495	2142266.1731
POT	12+20.85	779270.1374	2142324.1378

	Y4	NORTH	EAST
POT	10+00.00	778487.4867	2140155.1106
PC	14+74.48	778044.5107	2140325.1285
PT	16+41.47	778005.1705	2140463.6957
PC	17+00.71	778041.0737	2140510.8195
PT	17+94.37	778108.3730	2140575.4149

	DRIVE4	NORTH	EAST
POT	10+00.00	779361.0959	2141900.1279
PC	10+51.96	779395.9702	2141861.6145
PT	11+59.67	779453.6018	2141771.2136
POT	11+75.00	779459.5595	2141757.0923

	Y5	NORTH	EAST
POT	10+00.00	777753.5737	2140440.3828
PC	10+83.00	777809.1144	2140378.7044
PT	10+93.96	777818.2627	2140372.9213
PC	12+38.29	777956.5809	2140331.6851
PT	12+77.84	777993.7415	2140339.3939
POT	12+96.27	778007.8557	2140351.2538

**NOTES:**


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- THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/09

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 AT: NICK-THORNTON

# RIGHT OF WAY CONTROL SHEET


PROJECT REFERENCE NO. U-5748	SHEET NO. RW02E-1
<b>Location and Surveys</b>	
NIVIS	
NIVIS ENGINEERS & CONSULTANTS, INC. 3300 REGENCY PARKWAY, SUITE 100 CARY, NC 27518 P: 919.851.1912      www.NIVIS.com <small>NC License # F 1333      formerly GATN Engineers &amp; Consultants</small>	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, C. ANDREW HEATH, 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 NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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

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

Witness my original signature, registration number and seal this 23th day of April, 2021.

  
 Decided by:  
 Professional Land Surveyor      PLS # L-3281      Seal

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	23+86.60	-125.00	777078.1702	2139654.4471
L	24+90.21	205.00	776931.2389	2139967.5681
L	28+00.00	205.00	777159.3945	2140177.1314
L	30+06.69	-125.00	777534.8517	2140073.9139
L	30+14.85	154.00	777352.1715	2140284.9483
L	32+03.96	-125.00	777679.8758	2140205.8074
L	33+42.91	-125.00	777783.1324	2140298.7889
L	35+11.53	223.73	777675.0793	2140670.7650
L	35+15.00	205.00	777690.1914	2140659.1741
L	37+00.00	190.00	777837.7049	2140771.8230
L	38+31.08	-85.00	778119.1294	2140655.1780
L	38+50.00	260.00	777902.3303	2140924.2158
L	39+25.00	150.00	778031.6721	2140892.6607
L	40+00.00	180.00	778067.3306	2140965.1415
L	40+65.00	105.00	778165.8204	2140952.9038
L	41+51.16	105.00	778229.8469	2141010.5589
L	41+70.11	-85.00	778371.0669	2140882.0450
L	42+06.00	138.79	778247.9867	2141072.3677
L	42+06.00	161.00	778233.1261	2141088.8704
L	42+87.42	-85.00	778458.2488	2140960.5513
L	44+87.42	-85.00	778607.1533	2141096.0674
L	46+16.99	-85.00	778702.4054	2141186.4325
L	47+85.00	-86.77	778824.4077	2141305.2403
L	47+85.00	-140.00	778862.4341	2141267.9964
L	48+85.00	-140.00	778933.3722	2141341.5769
L	49+40.00	110.18	778788.9281	2141553.1573
L	49+40.00	122.00	778780.2873	2141561.2160
L	51+00.00	110.56	778894.4182	2141669.7210
L	51+00.00	125.00	778883.6103	2141679.3025
L	51+25.00	-97.00	779066.5309	2141551.0602
L	51+25.00	-120.00	779083.8016	2141535.8706
L	52+35.00	111.21	778980.8501	2141770.3310
L	52+35.00	140.00	778958.9054	2141788.9663
L	53+10.00	230.00	778936.7621	2141902.5922
L	53+70.00	230.00	778973.4554	2141947.2813
L	54+03.89	-97.00	779248.7988	2141767.7289
L	54+60.71	-106.00	779291.8140	2141807.2608
L	55+46.28	117.00	779168.4101	2142011.7295
L	55+87.96	-96.00	779362.9989	2141915.6306
L	56+92.74	-87.00	779419.2662	2142006.2574
L	57+65.00	-104.81	779476.6806	2142055.2633
L	57+95.00	-170.00	779547.5747	2142042.4659
L	58+84.00	-136.97	779572.5936	2142136.1372
L	59+19.00	-142.00	779596.9168	2142162.8434
L	59+43.00	-121.00	779593.2327	2142194.8991
L	60+14.00	-118.00	779630.7851	2142256.7989
L	60+70.00	-145.00	779684.6787	2142290.1778
L	61+50.00	-97.00	779687.9093	2142385.5068
L	62+90.00	-165.00	779820.0042	2142475.9680
L	63+65.00	-210.00	779897.3998	2142523.3395
L	63+80.96	-97.00	779805.5474	2142591.2250
L	64+95.00	-200.00	779950.7672	2142648.1957
L	65+55.00	-170.00	779951.1409	2142716.0393
L	65+80.96	-97.00	779897.3607	2142771.8438
L	68+22.17	-97.00	780004.7089	2142987.8501
L	68+22.17	-125.00	780029.7610	2142975.3890
L	69+14.00	-97.00	780045.5921	2143071.2230
L	70+49.00	-125.00	780129.4762	2143182.7703
L	71+78.24	-125.00	780183.8351	2143302.0754
L	74+65.00	-125.00	780300.7794	2143563.9073
L	76+46.37	-110.00	780361.0490	2143735.6294
L	78+66.00	-98.39	780441.5049	2143937.4716
L	78+66.00	-110.00	780451.9804	2143932.4701
L	80+38.68	-117.62	780533.8434	2144083.6778
L	80+55.00	-105.00	780529.6539	2144103.8760
L	84+64.64	-105.00	780709.1336	2144472.1006

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y1	13+90.00	-105.00	777558.8791	2140759.8898
Y1	15+11.11	-100.00	777511.7004	2140849.9655

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+98.00	-30.00	780628.3159	2140791.5036
Y2	12+00.00	30.00	780653.6689	2140737.0864
Y2	12+30.00	-55.00	780588.4689	2140799.3276
Y2	12+47.00	59.00	780624.8656	2140689.9643
Y2	12+99.00	59.00	780578.4892	2140666.4464
Y2	13+99.00	92.00	780504.2268	2140591.7865
Y2	14+50.00	94.00	780459.6457	2140566.9365
Y2	14+61.90	-75.00	780372.5984	2140712.2822
Y2	16+03.00	72.00	780297.1546	2140523.7256
Y2	16+74.84	58.99	780218.9268	2140516.6245
Y2	19+92.00	75.00	779878.7863	2140492.9647
Y2	26+62.00	75.00	779280.0663	2140876.0651
Y2	28+31.00	112.00	779158.0976	2141023.3405
Y2	28+64.39	-75.00	779319.4185	2141123.8142
Y2	30+50.00	88.00	779092.5137	2141216.7580
Y2	31+50.00	91.00	779037.9024	2141288.3697
Y2	32+20.00	-75.00	779118.0501	2141449.3092

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	11+00.00	33.00	779693.9997	2140321.0665
Y3	11+00.00	30.00	779695.3565	2140318.3908
Y3	13+00.00	37.00	779870.5658	2140415.0898

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
DRIVE1	11+33.20	-24.48	779600.1481	2142126.7484
DRIVE1	11+33.00	25.44	779587.5698	2142078.4371

**NOTES:**

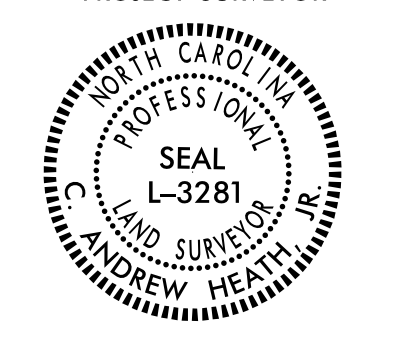
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED FROM 03-25-21 TO 04-07-21.

REVISIONS

P:\APR-2021\60415\713021-2021\0415\SURV-r.w. sheets\U5748\_15\_eshheet-1.dgn  
 6/2/2021 10:02:15 AM AT NCCBP-TIT-DANUJ



6/2/09

PROJECT REFERENCE NO. U-5748	SHEET NO. RW04
<b>Location and Surveys</b>	
<b>NIVIS</b> NIVS ENGINEERS & CONSULTANTS, INC. 3300 REGENCY PARKWAY, SUITE 100 CARY, NC 27518 P: 919.851.1912 www.NIVS.com NC License # F-1333 Formerly CALVE Engineers & Consultants	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

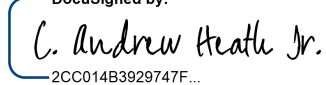
I, C. ANDREW HEATH, JR., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location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

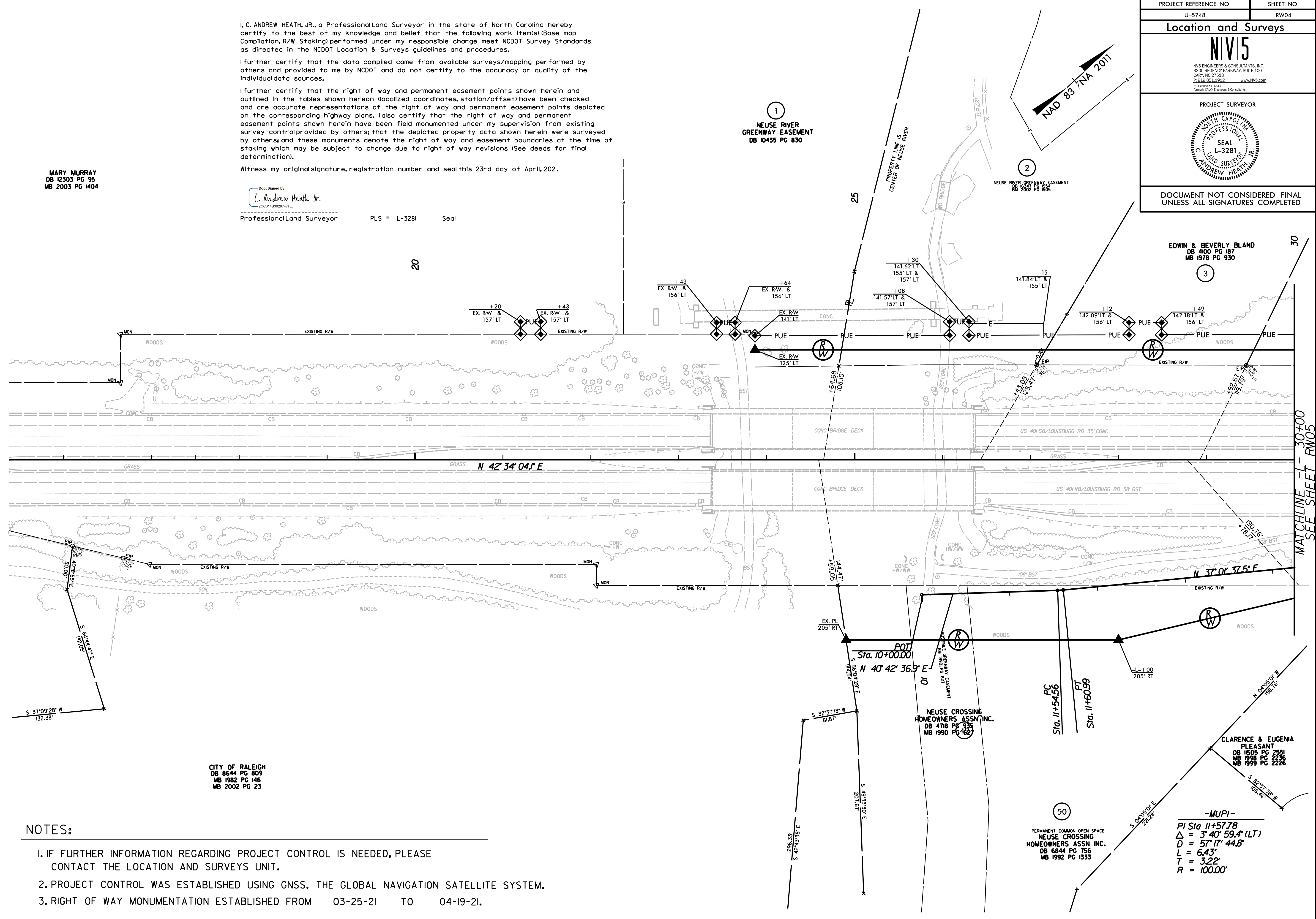
I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

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

Witness my original signature, registration number and seal this 23rd day of April, 2021.

MARY MURRAY  
DB 12303 PG 95  
MB 2003 PG 1404

DocuSigned by:  
  
Professional Land Surveyor      PLS # L-3281      Seal



**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 03-25-21 TO 04-19-21.

REVISIONS

MATCHLINE - 30+00 SEE SHEET RW05

22 APR 2021 15:13  
 C:\Users\candheath\OneDrive\Desktop\U5748\15 SURV\w\_sheets\U5748\_1s\_rw04.dgn  
 15 SURV\w\_sheets\U5748\_1s\_rw04.dgn  
 AT NCDOT\TIT\041010

-MUPI-  
 PI Sta 11+57.78  
 $\Delta = 3' 40'' 59.4''$  (LT)  
 $D = 57' 17'' 44.8''$   
 $L = 6.43'$   
 $T = 3.22'$   
 $R = 100.00'$



PROJECT REFERENCE NO.	SHEET NO.
U-5748	RW05
<b>Location and Surveys</b>	
<b>NIVIS</b>	
<small>NIVIS ENGINEERS &amp; CONSULTANTS, INC.          3300 REGENCY PARKWAY, SUITE 100          CARY, NC 27518          P: 919.851.1912 www.nivis.com          NC License # F-5233          Formerly C&amp;W Engineers &amp; Consultants</small>	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

<b>-L-</b>	<b>-Y4-</b>
PI Sta 31+05.33 Δ = 0° 33' 54.4" (LT) D = 0' 17' 11.3" L = 197.26' T = 98.63' R = 20,000.00' e = NC	PIs Sta 44+20.76 Os = 0° 54' 13.4" Δ = 106° 18' 22.6" (LT) D = 63° 39' 43.1" L = 166.99' T = 120.10' R = 90.00' e = 0.04 FT/FT R.O. = 60'
<b>-Y5-</b>	<b>-Y1-</b>
PI Sta 12+59.85 Δ = 56° 38' 24.9" (RT) D = 143° 14' 22.0" L = 39.54' T = 21.56' R = 40.00'	PI Sta 10+88.62 Δ = 31° 23' 48.0" (RT) D = 286° 28' 44.0" L = 10.96' T = 5.62' R = 20.00'
<b>-SBX-</b>	<b>-SLIP-</b>
PI Sta 12+81.50 Δ = 24° 37' 11.9" (RT) D = 34° 43' 29.0" L = 70.90' T = 36.01' R = 165.00'	PI Sta 14+64.69 Δ = 35° 44' 35.1" (LT) D = 8° 57' 08.9" L = 399.25' T = 206.36' R = 640.00' e = 0.04 FT/FT R.O. = 168'
	PI Sta 17+47.92 Δ = 17° 44' 30.3" (LT) D = 18° 56' 36.1" L = 93.66' T = 47.21' R = 302.46' e = 0.03 FT/FT R.O. = 45'

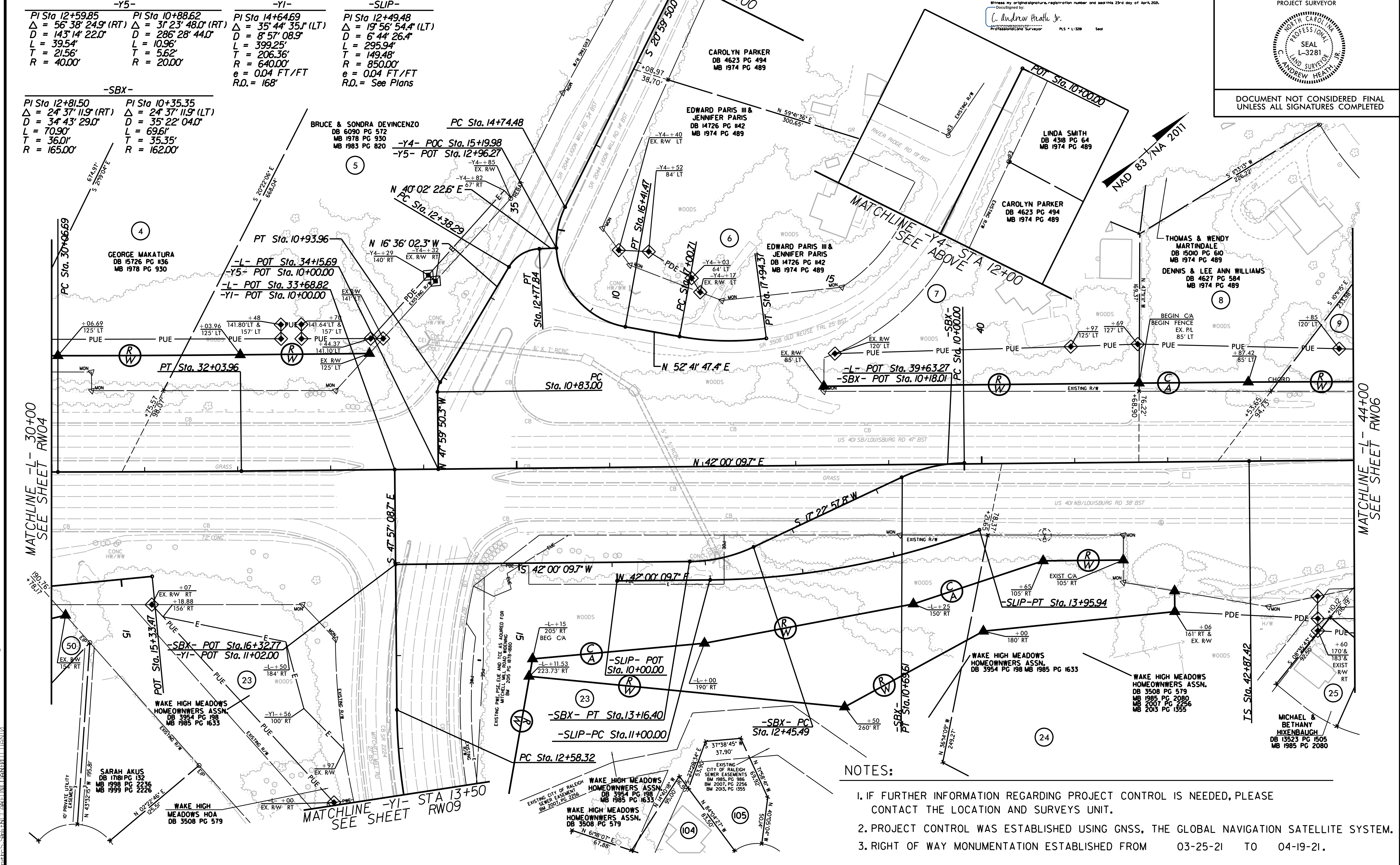
L.C. HEATH, JR., a Professional Land Surveyor in the state of North Carolina hereby certifies to the best of my knowledge and belief that the foregoing plat, field notes, map, computation, R/W's Stationing performed under my responsible charge meet NC01 Survey Standards as directed in the NC01 Location & Surveys guidelines and procedures.

I further certify that the data compiled come from available surveys/mapping performed by others and provided to me by NC01 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 herein (noted coordinates, stationing) 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 determinations).

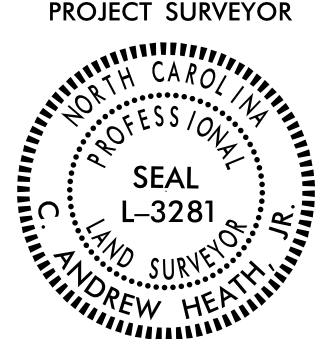
Witness my original signature, registration number and seal this 23rd day of April, 2011.

DocuSigned by:  
  
 C. Andrew Heath, Jr.  
 Professional Land Surveyor PLS # L-3281 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 03-25-21 TO 04-19-21.

5/16/2011 10:44:48 AM C:\Users\jheath\Documents\U-5748\1\_s\_r\_w05.dgn  
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 1:20:00 PM 5/16/2011 10:44:48 AM C:\Users\jheath\Documents\U-5748\1\_s\_r\_w05.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5748	RW06
<b>Location and Surveys</b>	
<b>NIV5</b>	
<small>NIV5 ENGINEERS &amp; CONSULTANTS, INC.          3300 REGENCY PARKWAY, SUITE 100          CARY, NC 27518          P-919.851.1912 www.NIV5.com          NC License # 1333          Member: NCEM Engineers &amp; Consultants</small>	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, C. ANDREW HEATH, 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 Completion, R/W Staking performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

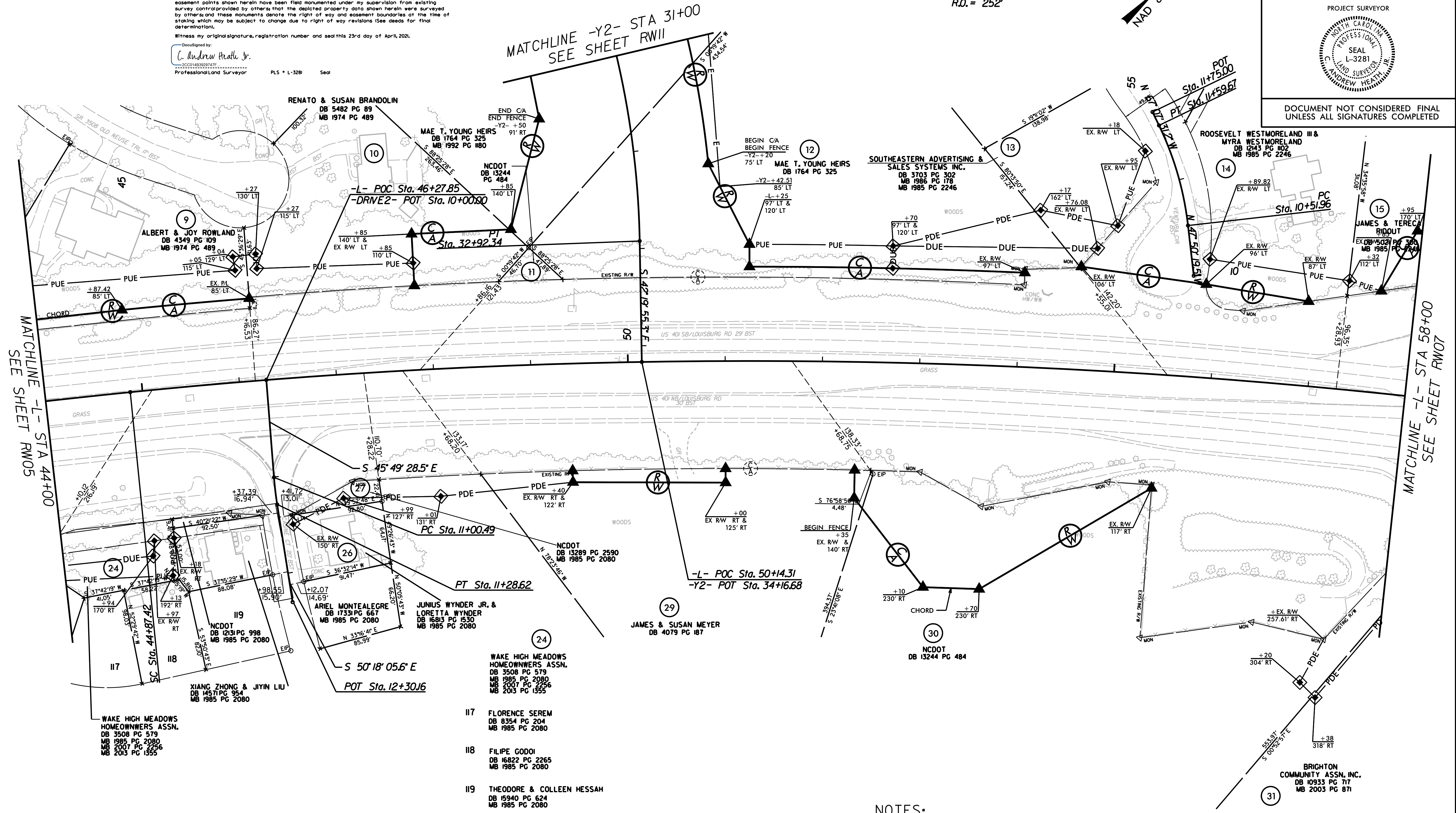
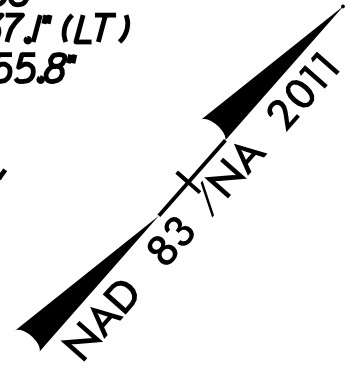
I further certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon localized coordinates, stationing/feet 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 23rd day of April, 2021.

Designed by:  
**C. Andrew Heath Jr.**  
20011483029747F  
 Professional Land Surveyor PLS \* L-3281 Seal

-L-	-Y2-	-DRVE2-
PI Sta 44+20.76	PI Sta 52+57.33	PI Sta 30+82.49
$\Theta_s = 0^\circ 54' 13.4''$	$\Delta = 13^\circ 50' 51.7''$ (RT)	$\Delta = 27^\circ 14' 39.9''$ (RT)
LS = 200.00'	D = 0' 54' 13.4"	D = 6' 21' 58.5"
LT = 133.34'	L = 1532.30'	L = 427.95'
ST = 66.67'	T = 769.90'	T = 218.10'
	R = 6,340.00'	R = 900.00'
	e = RC	e = 0.06 FT/FT
		R.O. = 252'




- 24 WAKE HIGH MEADOWS HOMEOWNERS ASSN. DB 3508 PG 579 MB 1985 PG 2080 MB 2007 PG 2256 MB 2013 PG 1555
- 26 FLORENCE SEREM DB 8354 PG 204 MB 1985 PG 2080
- 27 FILIPE GODOI DB 16822 PG 2265 MB 1985 PG 2080
- 29 THEODORE & COLLEEN HESSAH DB 15940 PG 624 MB 1985 PG 2080

**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 03-25-21 TO 04-19-21.

REVISIONS

G:\24-APR-2021\15713021-2021\01415\SURV\w\_sheets\U5748\_1s\_rw06.dgn  
 6/16/2021 10:14:15 AM AT NCDOT\TIT\DAVID

PROJECT REFERENCE NO.	SHEET NO.
U-5748	RW07
<b>Location and Surveys</b>	
<b>NVIS</b>	
<small>NVIS ENGINEERS &amp; CONSULTANTS, INC.          3300 REGENCY PARKWAY, SUITE 100          CARY, NC 27513          P: 919.851.1912          www.NVIS.com          NC License # 1333          Formerly NVIS Engineers &amp; Consultants</small>	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

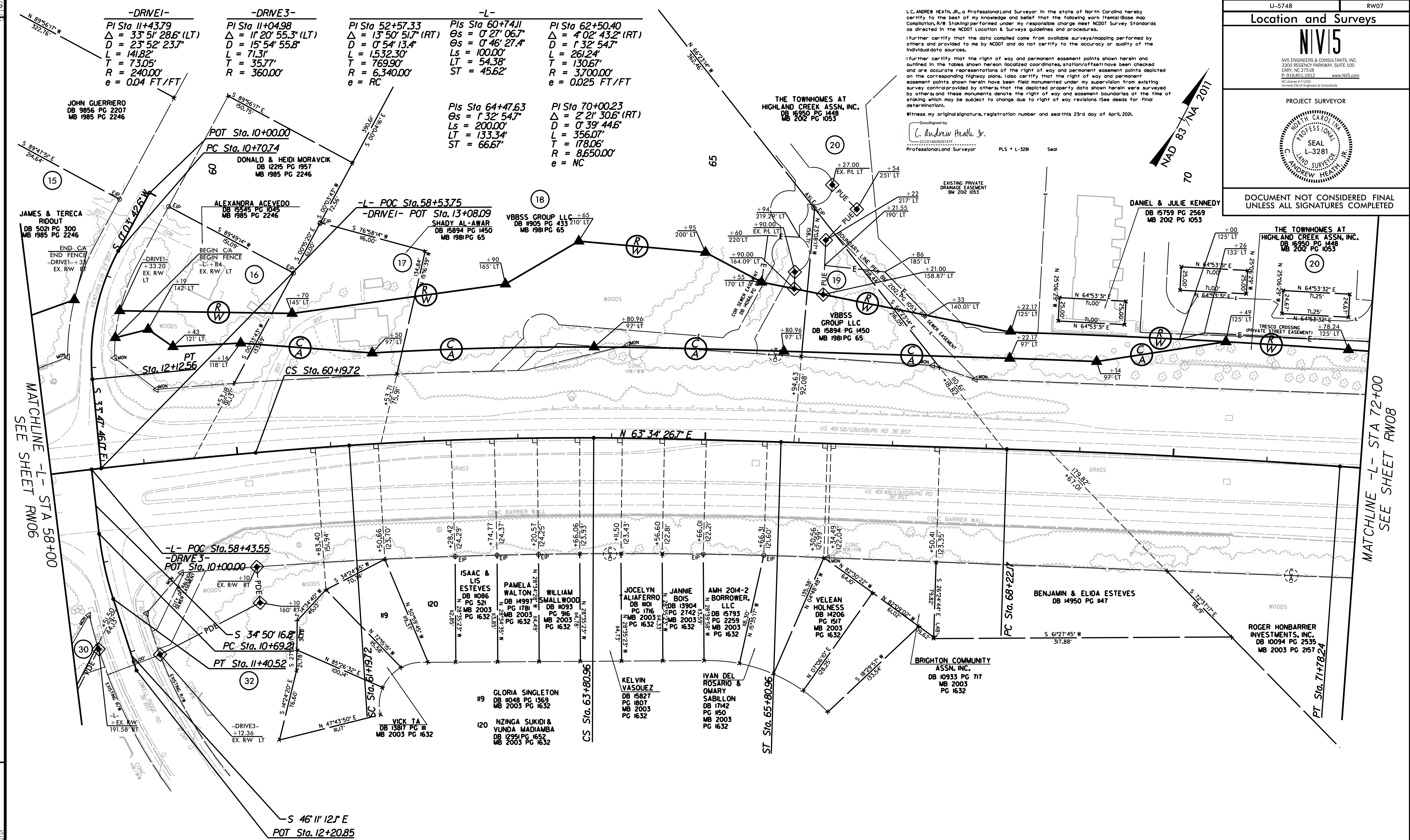
L.C. ANDREW HEATH, JR., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work (revised map compilation, R/W Staking) performed under my responsible charge meets NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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

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

Witness my original signature, registration number and seal this 23rd day of April, 2021.

DocuSigned by:  
 C. Andrew Heath, Jr.  
 20201481929747E  
 Professional Land Surveyor PLS # L-3281 Seal



**-DRIVE 1-**  
 PI Sta 11+43.79  
 $\Delta = 33' 51" 28.6" (LT)$   
 $D = 23' 52" 23.7"$   
 $L = 141.82'$   
 $T = 73.05'$   
 $R = 240.00'$   
 $e = 0.04 FT/FT$

**-DRIVE 3-**  
 PI Sta 11+04.98  
 $\Delta = 11' 20" 55.3" (LT)$   
 $D = 15' 54" 55.8"$   
 $L = 71.31'$   
 $T = 35.77'$   
 $R = 360.00'$   
 $e = 360.00'$

**-L-**  
 PI Sta 52+57.33  
 $\Delta = 13' 50" 51.7" (RT)$   
 $D = 0' 54" 13.4"$   
 $L = 153.23'$   
 $T = 769.90'$   
 $R = 6,340.00'$   
 $e = RC$

**Pls Sta 60+74.11**  
 $\Theta_s = 0' 27" 06.7"$   
 $\Theta_s = 0' 46" 27.4"$   
 $Ls = 100.00'$   
 $LT = 54.38'$   
 $ST = 45.62'$

**PI Sta 62+50.40**  
 $\Delta = 4' 02" 43.2" (RT)$   
 $D = 1' 32" 54.7"$   
 $L = 261.24'$   
 $T = 130.67'$   
 $R = 3,700.00'$   
 $e = 0.025 FT/FT$

**Pls Sta 64+47.63**  
 $\Theta_s = 1' 32" 54.7"$   
 $Ls = 200.00'$   
 $LT = 133.34'$   
 $ST = 66.67'$

**PI Sta 70+00.23**  
 $\Delta = 2' 21" 30.6" (RT)$   
 $D = 0' 39" 44.6"$   
 $L = 356.07'$   
 $T = 178.06'$   
 $R = 8,650.00'$   
 $e = NC$

22\_APR\_2021 15:15:15 SURV-r-w\_sheets\_U5748\_1s\_r-w-07.dgn  
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- 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 03-25-21 TO 04-19-21.



Location and Surveys

**NIVIS**

NIVIS ENGINEERS & CONSULTANTS, INC.  
3300 REGENCY PARKWAY, SUITE 100  
CARY, NC 27513  
P: 919.851.1912 www.NIVIS.com  
NC License # F 1333  
Formerly CIVIL ENGINEERS & CONSULTANTS

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

I, C. ANDREW HEATH, 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 items (base map, compilation, R/W, Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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

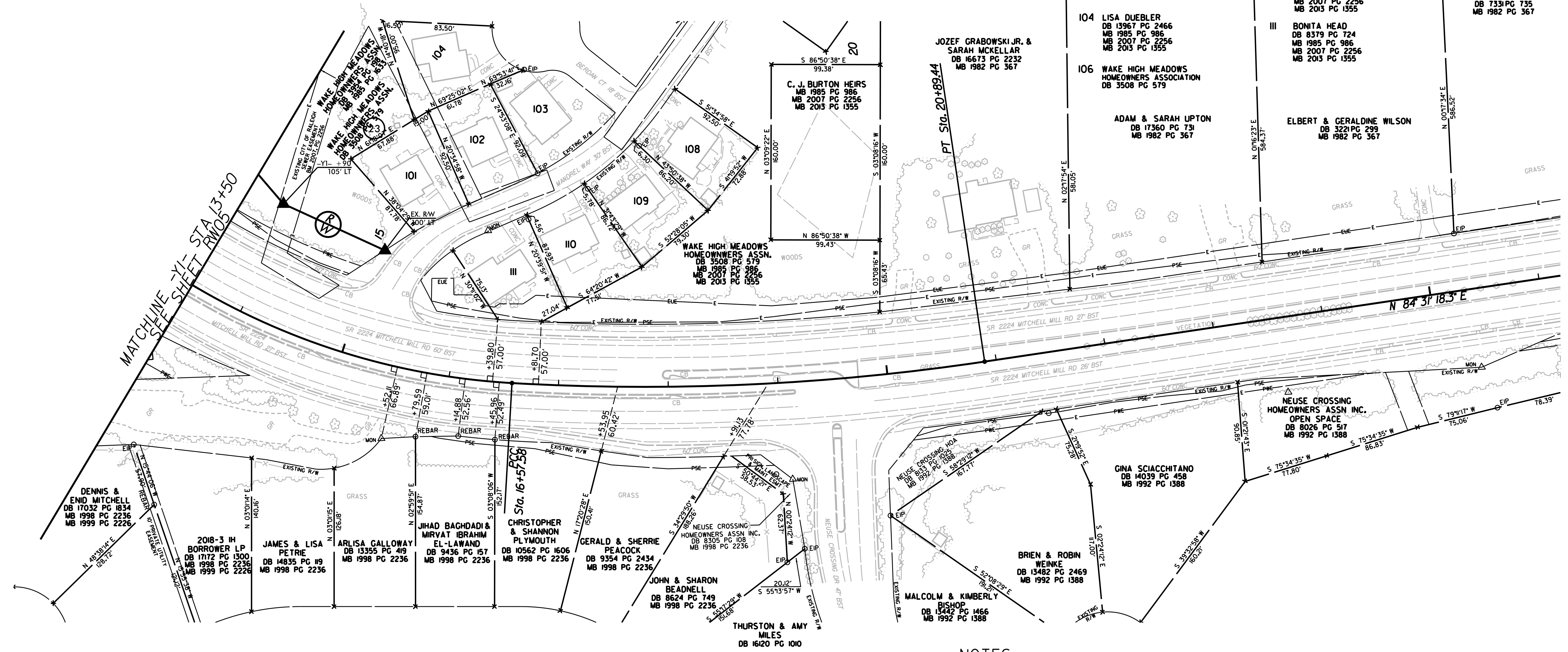
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others, that the depicted property data shown herein were surveyed by others and these monuments denote the right of way and easement boundaries of 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 23rd day of April, 2021.

DocuSigned by:  
**C. Andrew Heath, Jr.**  
Professional Land Surveyor PLS # L-3281 Seal

-YI-

PI Sta 14+64.69 Δ = 35° 44' 35.1" (LT) D = 8' 57" 08.9" L = 399.25' T = 206.36' R = 640.00' e = 0.04 FT/FT R.O. = 168'	PI Sta 18+74.27 Δ = 1° 46' 57.9" (LT) D = 2' 43' 42.1" L = 431.86' T = 216.69' R = 2,100.00'
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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 03-25-21 TO 04-19-21.

REVISIONS

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**Location and Surveys**

**NIVIS**  
 NIVS ENGINEERS & CONSULTANTS, INC.  
 3300 REGENCY PARKWAY, SUITE 100  
 CARY, NC 27518  
 P: 919.851.1912 www.NIVS.com  
 NC License # 1333  
 Member: NCEM Engineers & Consultants

PROJECT SURVEYOR  


DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

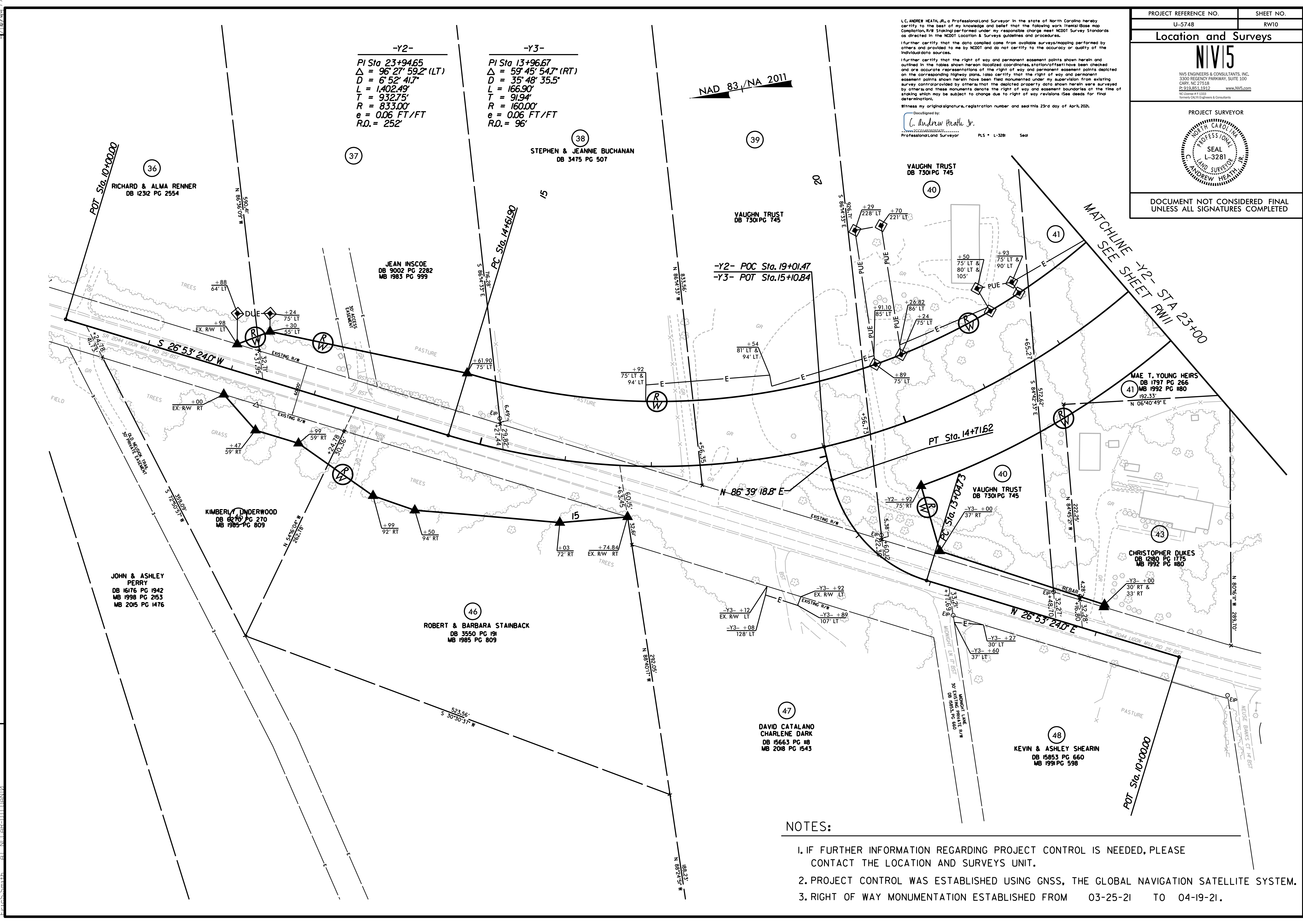
I, C. ANDREW HEATH, JR., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work, (Items) Base map Compilation, R/W Staking performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location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

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

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (located 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 23rd day of April, 2021.

Declassified by:  
 C. Andrew Heath, Jr.  
 Professional Land Surveyor PLS # L-3281 Seal



**-Y2-**  
 PI Sta 23+94.65  
 $\Delta = 96^\circ 27' 59.2''$  (LT)  
 D = 6' 52" 41.7"  
 L = 1,402.49'  
 T = 932.75'  
 R = 833.00'  
 e = 0.06 FT/FT  
 R.O. = 252'

**-Y3-**  
 PI Sta 13+96.67  
 $\Delta = 59^\circ 45' 54.7''$  (RT)  
 D = 35' 48" 35.5"  
 L = 166.90'  
 T = 91.94'  
 R = 160.00'  
 e = 0.06 FT/FT  
 R.O. = 96'

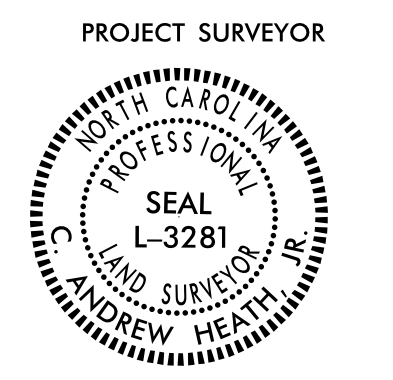
NAD 83 / NA 2011

- 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 03-25-21 TO 04-19-21.

REVISIONS

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**Location and Surveys**



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

I, C. ANDREW HEATH, 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) is a Base Map Completion/R/W Staking performed under my responsible charge and meets NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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

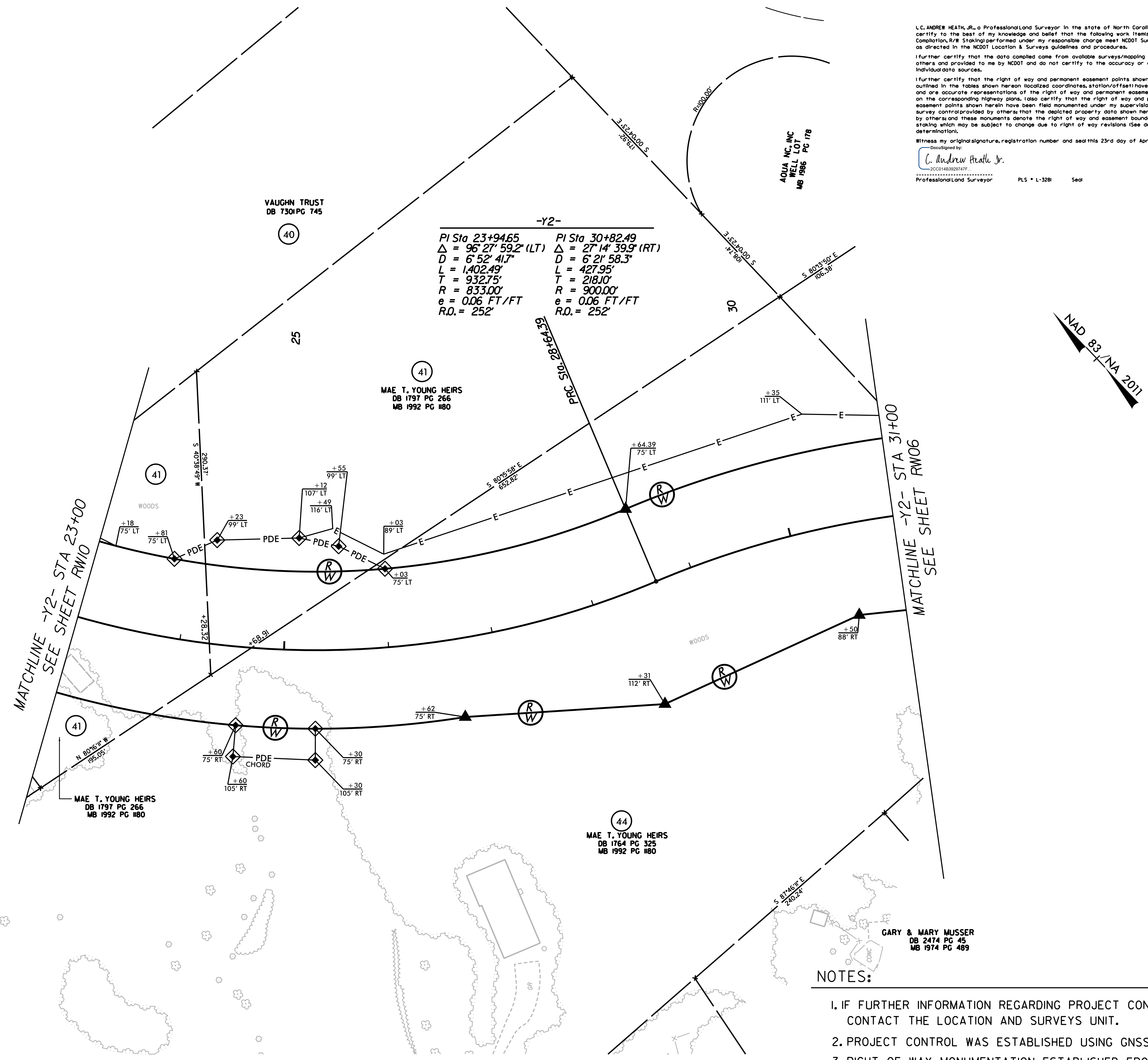
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway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

Witness my original signature, registration number and seal this 23rd day of April, 2021.

DocuSigned by:  
*C. Andrew Heath, Jr.*  
20210419092947E  
Professional Land Surveyor      PLS # L-3281      Seal

-Y2-

PI Sta 23+94.65 Δ = 96° 27' 59.2" (LT) D = 6' 52' 41.7" L = 1,402.49' T = 932.75' R = 833.00' e = 0.06 FT/FT R.O. = 252'	PI Sta 30+82.49 Δ = 27° 14' 39.9" (RT) D = 6' 21' 58.3" L = 427.95' T = 218.10' R = 900.00' e = 0.06 FT/FT R.O. = 252'
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**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 03-25-21 TO 04-19-21.

REVISIONS

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 AT: NCDOT-ITL-DAM102