

09/06/19

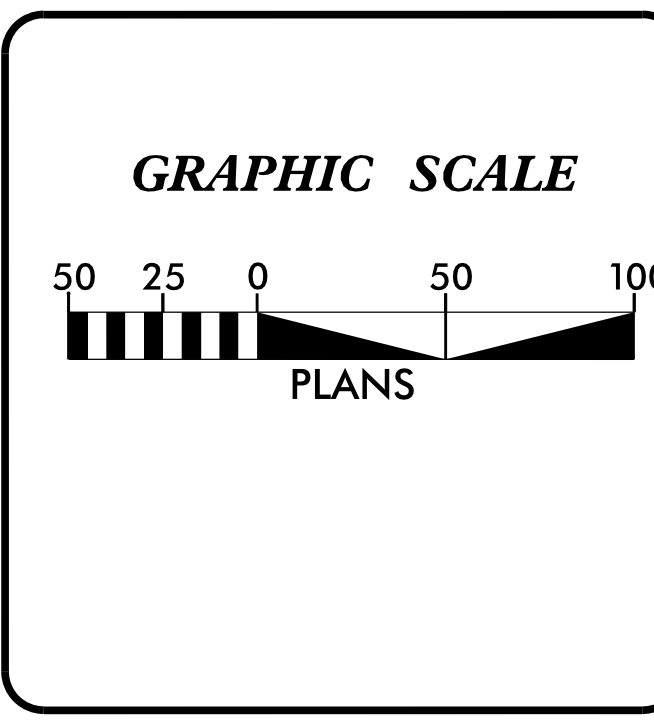
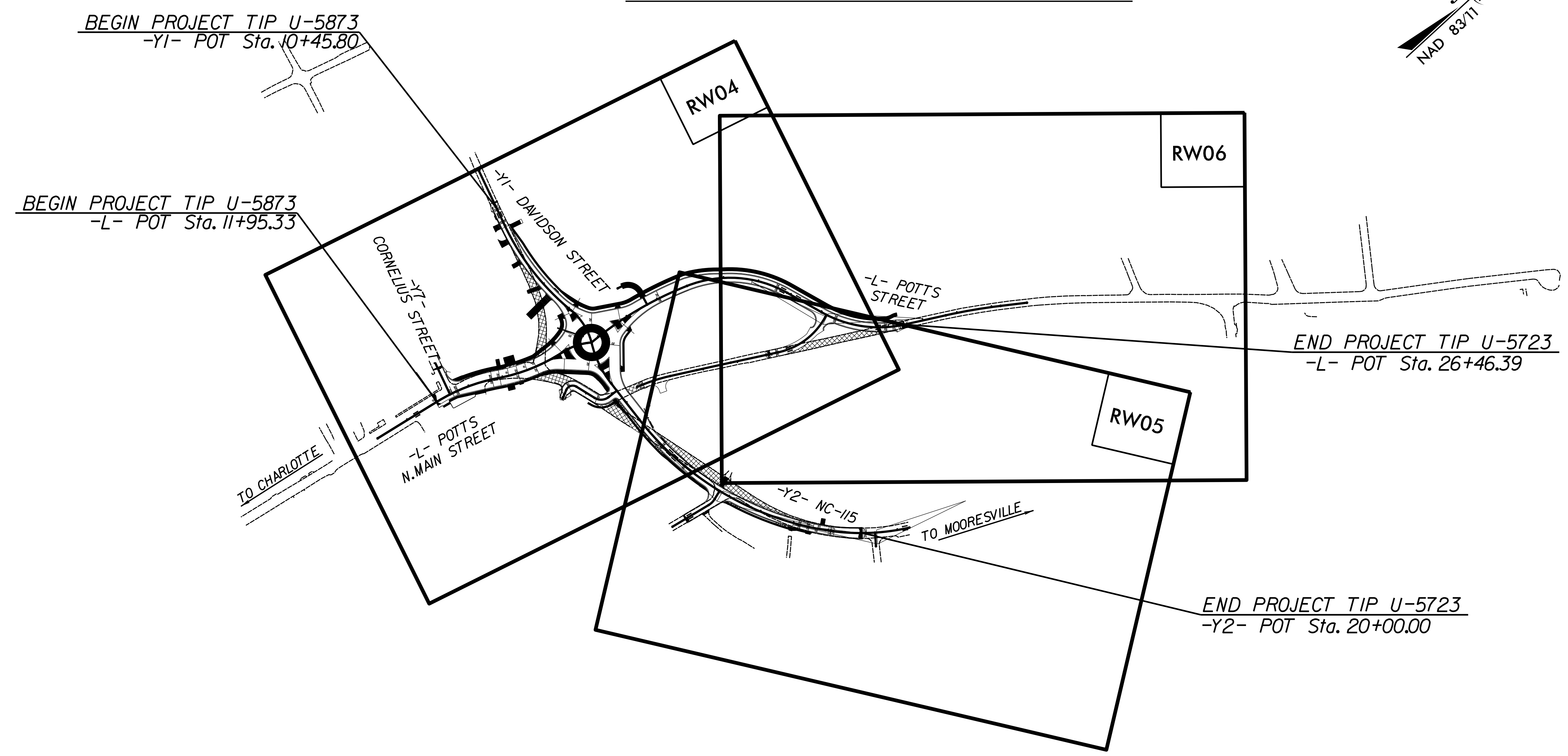
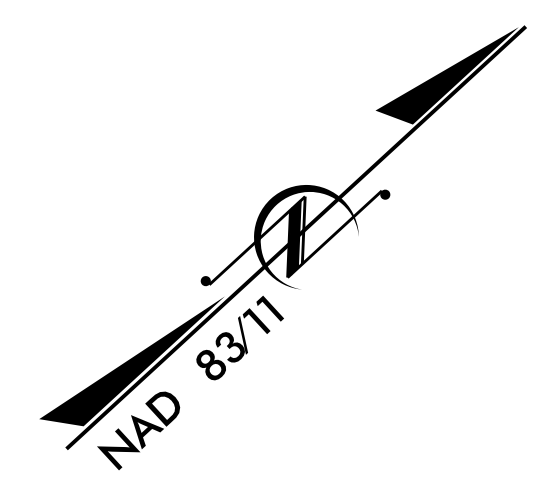
TIP PROJECT: U-5873

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5873	RW01	

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

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

MECKLENBURG COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U5873-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 639072.866(ft) EASTING: 1447102.093(ft) ELEVATION: 813.28(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998483881

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U5873-2" TO -L- STATION 10+00.00 IS S 04°14'53" W 213.34(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD88

Prepared in the Office of:

CALYX
ENGINEERS & CONSULTANTS
 7000 EAST INDEPENDENCE BOULEVARD, SUITE 100
 CHARLOTTE, NC 28227
 phone: 704.537.7300
 CALYXengineers.com
 NC License # F-1333

2019 STANDARD SPECIFICATIONS

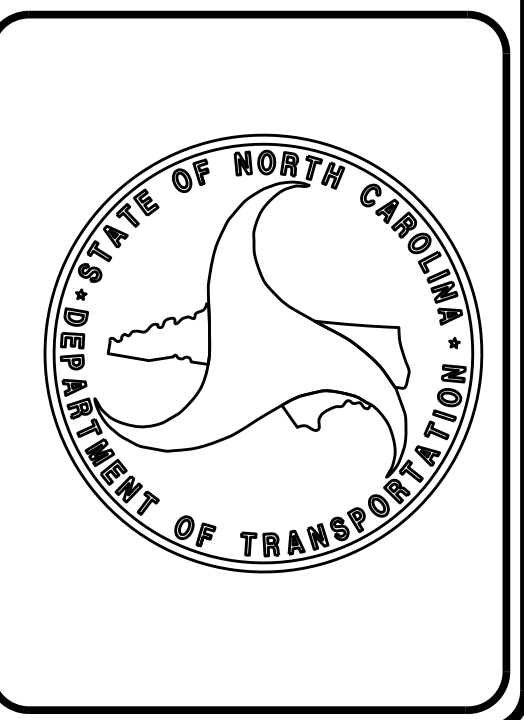
RIGHT OF WAY DATE: _____ LETTING DATE: _____

PROFESSIONAL LAND SURVEYOR


DocuSigned by:

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SIGNATURE: _____ Date: _____

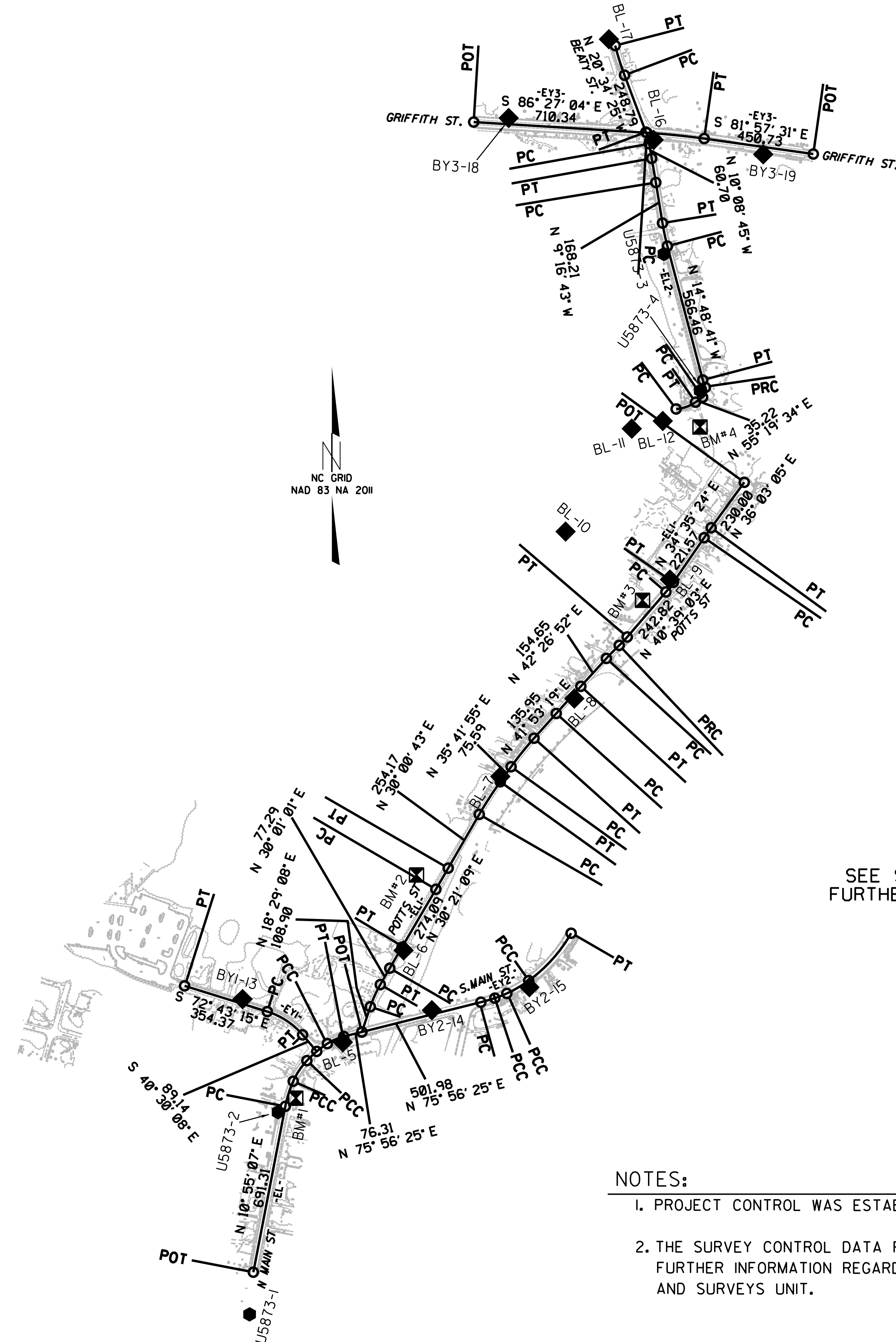


\$\$\$\$\$ SYSTEM \$\$\$\$\$\$
 \$\$\$ DDN \$\$\$
 \$\$\$ USERNAME \$\$\$

PROJECT REFERENCE NO.	SHEET NO.
U-5873 & U-5907	RW02C-1
Location and Surveys	
 CALYX <small>ENGINEERS - CONSULTANTS</small>	
<small>7500 EAST INDEPENDENCE BOULEVARD, SUITE 100 CHARLOTTE, NC 28227 phone: 704.537.7300 CALYXengineers.com NC License # F-1333</small>	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION




SEE SHEETS RW02C-2 AND RW02C-3 FOR FURTHER CONTROL AND ALIGNMENT DETAILS

NOTES:

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

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-5873 & U-5907	RW02C-2
Location and Surveys	
 <small>7500 EAST INDEPENDENCE BOULEVARD, SUITE 100 CHARLOTTE, NC 28227 phone: 704.537.7300 CALYXengineers.com NC License # F-1333</small>	

REVISIONS

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		U5873-1	638245.5340	1446985.6750	817.02
2		U5873-2	639072.8660	1447102.0930	813.28
5		U5873-BL-5	639358.7720	1447366.9950	802.31
6		U5873-BL-6	639734.8020	1447615.4560	807.17
7		U5873-BL-7	640446.0820	1448011.2440	821.08
8		U5873-BL-8	640764.9640	1448313.8940	821.04
9		U5873-BL-9	641251.7250	1448705.0140	830.88
10		U5873-BL-10	641448.2810	1448278.1970	818.91
11		U5873-BL-11	641869.2030	1448548.8980	802.54
12		U5873-BL-12	641900.7400	1448675.7310	790.34
4		U5873-4	642025.3090	1448829.3020	779.10
3		U5873-3	642583.8960	1448680.7570	780.24
16		U5873-BL-16	643050.8070	1448638.4470	771.50
17		U5873-BL-17	643462.6430	1448455.3770	784.82
BY1	POINT	DESC.	NORTH	EAST	ELEVATION
13		U5873-BY1-13	639535.1970	1446956.6590	799.14
EOY15		U5873-BL-5	639358.7720	1447366.9950	802.31
BY2	POINT	DESC.	NORTH	EAST	ELEVATION
EOY25		U5873-BL-5	639358.7720	1447366.9950	802.31
14		U5873-BY2-14	639489.8710	1447731.0920	798.11
15		U5873-BY2-15	639584.0550	1448129.9000	805.16
BY3	POINT	DESC.	NORTH	EAST	ELEVATION
18		U5873-BY3-18	643140.3020	1448045.3430	764.21
EO16		U5873-BL-16	643050.8070	1448638.4470	771.50
19		U5873-BY3-19	642991.8650	1449086.5190	792.90

.....
 BM1 ELEVATION = 812.00
 N 639130 E 1447175
 BL STATION 14+27.00 14 RIGHT
 RR SPIKE IN 3.4' DIA OAK

.....
 BM2 ELEVATION = 812.09
 N 640043 E 1447669
 BL STATION 24+71.00 104 LEFT
 RR SPIKE IN 1.7' DIA OAK

.....
 BM3 ELEVATION = 829.49
 N 641167 E 1448593
 BL STATION 39+18.00 34 LEFT
 RR SPIKE IN 1.8' DIA PECAN

.....
 BM4 ELEVATION = 780.66
 N 641876 E 1448828
 BL STATION 52+58.00 115 RIGHT
 RR SPIKE IN 2.64' DIA OAK

NOTES:

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SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-5873 & U-5907	RW02C-3
Location and Surveys	
7500 EAST INDEPENDENCE BOULEVARD, SUITE 100 CHARLOTTE, NC 28227 phone: 704.537.7300 CALYXengineers.com NC License # F-1333	

EL									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	638418.127	1447001.029							
LINE			N 10°55'07.1" E	691.31					
PC	639096.921	1447131.973							
CURVE			N 17°24'54.7" E	107.49	12°59'35.2"(RT)	12°03'44.2"	107.72	54.09	475.00
PCC	639199.480	1447164.143							
CURVE			N 33°36'37.1" E	101.08	19°23'49.5"(RT)	19°05'54.9"	101.56	51.27	300.00
PCC	639283.661	1447220.094							
CURVE			N 50°15'21.1" E	108.86	13°53'38.5"(RT)	12°43'56.6"	109.12	54.83	450.00
PCC	639353.259	1447303.794							
CURVE			N 66°34'17.6" E	73.25	18°44'14.7"(RT)	25°27'53.2"	73.58	37.12	225.00
PT	639382.385	1447371.009							
LINE			N 75°56'25.0" E	76.31					
POT	639400.924	1447445.038							

EL1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	639400.924	1447445.038							
LINE			N 18°29'08.3" E	108.90					
PC	639504.210	1447479.568							
CURVE			N 24°15'04.7" E	99.49	11°31'52.9"(RT)	11°34'13.6"	99.66	50.00	495.19
PCC	639594.924	1447520.434							
CURVE			N 30°01'01.2" E	77.29					
PC	639661.849	1447559.100							
CURVE			N 30°11'05.0" E	100.00	00°20'07.7"(RT)	00°20'07.7"	100.00	50.00	17079.56
PT	639748.290	1447609.378							
LINE			N 30°21'08.8" E	274.09					
PC	639984.808	1447747.879							
CURVE			N 30°10'55.7" E	100.00	00°20'26.2"(LT)	00°20'26.2"	100.00	50.00	16820.86
PC	640071.251	1447798.154							
CURVE			N 30°00'42.6" E	254.17					
PC	640291.344	1447925.285							
CURVE			N 32°51'18.8" E	158.74	05°41'12.3"(RT)	03°34'51.6"	158.80	79.47	1600.00
PT	640424.691	1448011.404							
LINE			N 35°41'54.9" E	75.59					
PC	640486.079	1448055.513							
CURVE			N 38°47'37.2" E	149.78	06°11'24.5"(RT)	04°07'50.8"	149.85	75.00	1387.05
PT	640602.819	1448149.354							
LINE			N 41°53'19.4" E	135.95					
PC	640704.029	1448240.128							
CURVE			N 42°10'05.7" E	150.00	00°33'32.4"(RT)	00°22'21.6"	150.00	75.00	15374.09
PT	640815.205	1448340.824							
LINE			N 42°26'51.9" E	154.65					
PC	640929.320	1448445.200							
CURVE			N 44°35'55.8" E	75.07	04°18'07.9"(RT)	05°43'46.5"	75.09	37.56	1000.00
PCC	640982.773	1448497.910							
CURVE			N 43°42'01.3" E	47.35	06°05'57.0"(LT)	12°52'31.6"	47.37	23.71	445.00
PT	641017.004	1448530.622							
LINE			N 40°39'02.8" E	242.82					
PC	641201.233	1448688.808							
CURVE			N 37°37'13.7" E	49.93	06°03'38.3"(LT)	12°07'57.4"	49.95	25.00	472.25
PT	641240.781	1448719.287							
LINE			N 34°35'24.5" E	221.57					
PC	641423.188	1448845.075							
CURVE			N 35°19'14.9" E	50.00	01°27'40.8"(RT)	02°55'22.1"	50.00	25.00	1960.30
PT	641463.981	1448873.981							
LINE			N 36°03'05.3" E	230.00					
POT	641649.937	1449009.340							

EL2									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	641949.941	1448730.661							
CURVE			N 70°37'36.6" E	84.13	30°36'05.9"(LT)	35°56'40.6"	85.14	43.61	159.40
PT	641977.848	1448810.025							
LINE			N 55°19'33.7" E	35.22					
PC	641997.884	1448838.989							
CURVE			N 15°39'53.9" E	41.97	79°19'19.6"(LT)	174°15'26.1"	45.52	27.26	32.88
PCC	642038.296	1448850.322							
CURVE			N 19°24'13.3" W	32.03	09°11'05.1"(RT)	28°38'52.4"	32.06	16.06	200.00
PC	642068.504	1448839.682							
LINE			N 14°48'40.8" W	566.46					
PC	642616.138	1448694.875							
CURVE			N 12°02'41.8" W	96.53	05°31'58.0"(RT)	05°43'46.5"	96.57	48.32	1000.00
PT	642710.541	1448674.732							
LINE			N 09°16'42.8" W	168.21					
PC	642876.551	1448647.610							
CURVE			N 09°42'43.8" W	100.00	00°52'02.0"(LT)	00°52'02.0"	100.00	50.00	6606.75
PT	642975.115	1448630.741							
LINE			N 10°08'44.8" W	60.70					
PC	643034.868	1448620.048							
CURVE			N 15°21'34.8" W	49.79	10°25'40.1"(LT)	20°54'48.1"	49.86	25.00	273.97
PT	643082.883	1448606.859							
LINE			N 20°34'24.8" W	248.79					
PC	643315.804	1448519.432							
CURVE			N 17°32'40.4" W	126.82	06°03'29.0"(RT)	04°46'28.7"	126.88	63.50	1200.00
PT	643436.725	1448481.202							

EY1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	639523.431	1446932.796							
LINE			S 72°43'15.3" E	131.27					
PC	639484.440	1447058.142							
CURVE			S 56°36'41.8" E	172.93	32°13'07.0"(RT)	18°23'10.6"	175.23	90.00	311.62
PT	639389.273	1447202.533							
LINE			S 40°30'08.3" E	89.14					
POT	639321.494	1447260.427							

EY2									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	639400.924	1447445.038							
LINE			N 75°56'25.0" E	501.98					
PC	639522.871	1447931.977							
CURVE			N 73°48'46.6" E	59.39	04°15'16.8"(LT)	07°09'43.1"	59.41	29.72	800.00
PCC	639539.429	1447989.015							
CURVE			N 68°32'37.9" E	52.61	06°17'00.5"(LT)	11°56'11.8"	52.64	26.35	480.00
PCC	639558.674	1448037.983							
CURVE			N 59°39'54.0" E	103.96	11°28'27.2"(LT)	11°01'06.3"	104.14	52.24	520.00
PCC	639611.181	1448127.712							
CURVE			N 41°49'24.1" E	260.02	24°12'32.6"(LT)	09°14'28.5"	261.97	132.97	620.00
PT	639804.951	1448301.105							

EY3									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	643123.924	1447902.465							
LINE			S 86°27'04.2" E	710.34					
PC	643079.954	1448611.440							
CURVE			S 84°12'17.5" E	235.17	04°29'33.2"(RT)	01°54'35.5"	235.23	117.68	3000.00
PT	643056.209	1448845.408							
LINE			S 81°57'30.9" E	450.73					
POT	642993.157	1449291.704							

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

24-OCT-2019 08:20 H:\Projects\2019015_68_SUR\Control_Sheets\U5873_u5907_1s_rw02c-3.dgn

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-5873 & U-5907	RW02D-1
Location and Surveys	
 <small>7500 EAST INDEPENDENCE BOULEVARD, SUITE 100 CHARLOTTE, NC 28227 phone: 704.537.7300 CALYXengineers.com NC License # F-1333</small>	

U-5873 Alignments

L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	638860.1074	1447086.2897
PC	11+98.95	639055.4519	1447123.9730
PRC	13+86.40	639228.9473	1447192.1350
PRC	15+86.30	639414.6844	1447262.5040
PCC	16+74.70	639494.5930	1447298.0697
PCC	19+92.94	639804.6155	1447363.6917
PT	22+89.18	640001.6813	1447571.7434
PC	24+02.13	640036.5131	1447679.1915
PT	26+46.39	640186.7248	1447864.8548
PC	27+67.20	640291.3436	1447925.2853
PT	29+26.01	640424.6915	1448011.4041
POT	30+01.60	640486.0786	1448055.5129

Y1			
TYPE	STATION	NORTH	EAST
POT	9+27.00	639589.6928	1446719.7777
PC	10+99.89	639538.3410	1446884.8618
PRC	14+09.37	639513.6511	1447190.8345
PT	15+20.11	639494.5957	1447298.0613

Y2			
TYPE	STATION	NORTH	EAST
PC	10+00.00	639494.5930	1447298.0697
PT	11+30.19	639456.7744	1447421.5752
PC	12+61.93	639446.2234	1447552.9019
PCC	18+94.19	639623.9123	1448144.5770
PT	21+35.03	639804.9512	1448301.1046

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	639476.9970	1447857.2646
PC	10+27.42	639450.6559	1447864.8876
PT	10+51.69	639426.6427	1447865.8249
POT	11+71.97	639308.8532	1447841.4962

Y4			
TYPE	STATION	NORTH	EAST
POT	10+00.00	639723.0318	1448245.2103
POT	10+39.07	639698.5014	1448275.6185
POT	10+84.63	639671.6253	1448312.4102

Y5			
TYPE	STATION	NORTH	EAST
POT	10+00.00	640041.5194	1447693.5140
PC	10+00.00	640041.5201	1447693.5137
PT	11+79.86	639868.2138	1447679.6038
PC	13+18.84	639748.2896	1447609.3783
PT	14+18.84	639661.8490	1447559.0996
PC	14+96.13	639594.9242	1447520.4341
PT	15+95.79	639504.2102	1447479.5679

Y6			
TYPE	STATION	NORTH	EAST
POT	10+00.00	639454.6316	1447448.2461
PC	10+29.74	639424.9867	1447445.8644
PT	10+72.31	639394.0999	1447420.4638
PC	11+33.29	639377.5701	1447361.7637
PT	11+67.79	639350.0080	1447348.9933
POT	11+98.05	639322.4837	1447361.5679

Y7			
TYPE	STATION	NORTH	EAST
POT	10+00.00	639096.9680	1447133.7991
POT	11+00.00	639127.0505	1447038.4312

U-5907 Alignments

L			
TYPE	STATION	NORTH	EAST
PC	10+20.81	633382.6553	1458442.2408
PT	11+49.33	633502.1309	1458394.9036
PC	11+52.28	633504.8944	1458393.8894
PRC	13+40.20	633670.5629	1458306.3802
PCC	13+79.87	633704.5372	1458285.9757
PRC	14+93.14	633814.5223	1458266.1500
PT	16+85.06	634005.7355	1458256.4252
PC	17+39.06	634058.9554	1458247.2476
PT	17+68.55	634088.0857	1458242.6591

L1			
TYPE	STATION	NORTH	EAST
PC	9+96.95	640172.8668	1447856.3929
PCC	10+00.00	640175.4382	1447856.0338
PT	10+13.19	640186.7248	1447864.8548
PC	11+34.01	640291.3436	1447925.2853
PT	12+92.81	640424.6915	1448011.4041
PC	13+68.40	640486.0786	1448055.5129
PT	15+18.26	640602.8191	1448149.3535
PC	16+54.21	640704.0294	1448240.1284
PT	18+04.21	640815.2046	1448340.8237
PC	19+58.86	640929.3204	1448445.2003
PRC	20+33.95	640982.7732	1448497.9097
PT	20+81.32	641017.0040	1448530.6219
PC	23+24.14	641201.2325	1448688.8083
PT	23+74.09	641240.7807	1448719.2870
POT	25+54.11	641388.9798	1448821.4850
PC	25+95.67	641423.1883	1448845.0752
PT	26+45.67	641463.9814	1448873.9806
PC	28+04.13	641592.1008	1448967.2407
PT	30+50.64	641823.2791	1448970.2342
PC	31+95.04	641942.1864	1448888.3045
PT	32+81.24	642020.1221	1448852.4753
PC	38+97.75	642616.1382	1448694.8750
PT	39+94.31	642710.5408	1448674.7317
PC	41+62.52	642876.5506	1448647.6104
PT	42+62.52	642975.1145	1448630.7410
POT	43+87.66	643098.3003	1448608.6968

L2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	642009.3611	1448855.5803
PC	10+55.39	641977.8477	1448810.0250
PT	11+40.53	641949.9411	1448730.6612

L3			
TYPE	STATION	NORTH	EAST
PC	10+00.00	643098.3003	1448608.6968
PRC	11+93.92	643279.4641	1448554.5156
PCC	13+31.88	643400.9594	1448491.0549
PT	13+68.98	643436.7216	1448481.2034

Y3			
TYPE	STATION	NORTH	EAST
POT	10+00.00	643123.9236	1447902.4652
PC	15+48.53	643089.9700	1448449.9415
PRC	15+90.27	643091.7050	1448491.5768
PRC	17+07.73	643098.3003	1448608.6968
PRC	18+23.80	643081.4958	1448721.8996
PRC	19+24.46	643071.0406	1448820.9799
PT	20+30.81	643045.1164	1448923.9212
POT	24+02.25	642993.1568	1449291.7040

NOTES:

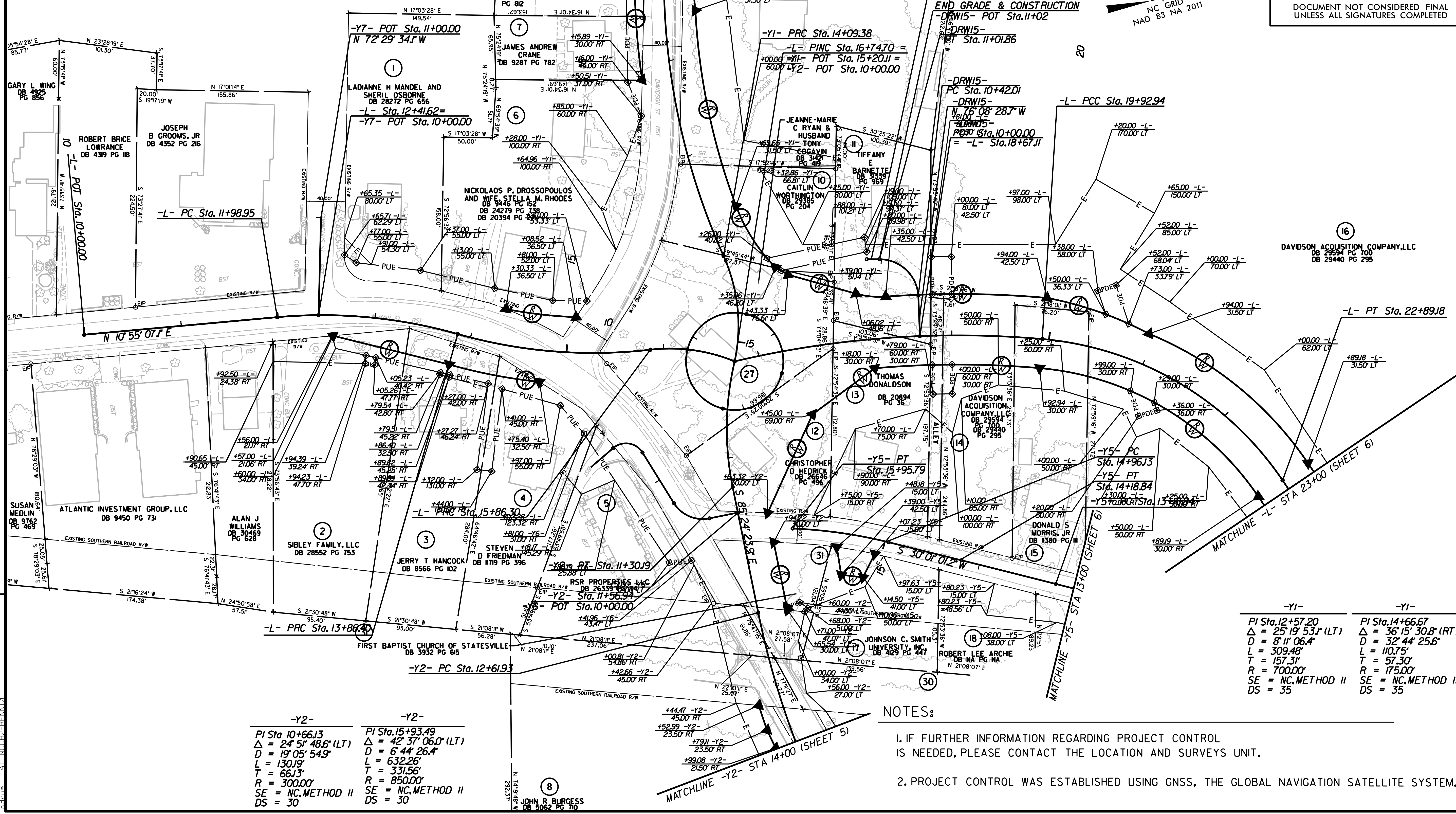
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

-L- MAIN STREET PI Sta.12+93.74 $\Delta = 21^{\circ}03'35.7"$ (RT) $D = 11^{\circ}14'04.7"$ $L = 187.46'$ $T = 94.80'$ $R = 510.00'$ SE = NC.METHOD II DS = 35	-L- MAIN STREET PI Sta.14+87.65 $\Delta = 22^{\circ}27'26.8"$ (LT) $D = 11^{\circ}14'04.7"$ $L = 199.90'$ $T = 101.25'$ $R = 510.00'$ SE = NC.METHOD II DS = 35	-L- MAIN STREET PI Sta.16+31.47 $\Delta = 28^{\circ}56'36.7"$ (RT) $D = 32^{\circ}44'25.6"$ $L = 88.40'$ $T = 45.17'$ $R = 175.00'$ SE = NC.METHOD II DS = 25
-L- POTTS STREET PI Sta.18+35.18 $\Delta = 18^{\circ}14'00.2"$ (RT) $D = 5^{\circ}43'46.5"$ $L = 318.23'$ $T = 160.47'$ $R = 1,000.00'$ SE = NC.METHOD II DS = 30	-L- POTTS STREET PI Sta.21+51.67 $\Delta = 50^{\circ}58'14.5"$ (RT) $D = 17^{\circ}12'21.4"$ $L = 296.24'$ $T = 158.73'$ $R = 333.00'$ SE = NC.METHOD II DS = 30	

YOUNG MEN'S CHRISTIAN ASSOCIATION
 OF CHARLOTTE AND MECKLENBURG
 DB 435 PG 155

REVISIONS



L. John C. Hendrix, a Professional Land Surveyor in the state of North Carolina hereby certifies to the best of my knowledge and belief that the following work items shown on this map were performed under my responsible charge and that I am duly licensed as a Professional Land Surveyor in the State of North Carolina as shown on the back of this map. I further certify that the data compiled hereon were obtained from reliable sources and that the same 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 filed 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 line of staking which may be subject to change due to right of way revisions (see details for final determination).

Witness my original signature, registration number and seal this 31st day of October, 2019.

Done and signed by: *[Signature]* 10/31/2019
 L-5342 PLS + Seal
 Professional Land Surveyor

PROJECT REFERENCE NO. U-5873	SHEET NO. RW04
Location and Surveys	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

2019 OCT 2019 13:37
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 L:\1901\568 SURV\Submitt-U-5873.1.dgn

-Y2- PI Sta.10+66.13 $\Delta = 24^{\circ}51'48.6"$ (LT) $D = 19^{\circ}05'54.9"$ $L = 130.19'$ $T = 66.13'$ $R = 300.00'$ SE = NC.METHOD II DS = 30	-Y2- PI Sta.15+93.49 $\Delta = 42^{\circ}37'06.0"$ (LT) $D = 6^{\circ}44'26.4"$ $L = 632.26'$ $T = 331.56'$ $R = 850.00'$ SE = NC.METHOD II DS = 30
--	--

-Y2- PI Sta.14+00.00 $\Delta = 25^{\circ}19'53.1"$ (LT) $D = 8^{\circ}11'06.4"$ $L = 309.48'$ $T = 157.31'$ $R = 700.00'$ SE = NC.METHOD II DS = 35	-Y1- PI Sta.14+66.67 $\Delta = 36^{\circ}15'30.8"$ (RT) $D = 32^{\circ}44'25.6"$ $L = 110.75'$ $T = 175.30'$ $R = 175.00'$ SE = NC.METHOD II DS = 35
--	---

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

6/2/19

REVISIONS

John C. Hendrix, a Professional Land Surveyor in the state of North Carolina hereby certifies to the best of my knowledge and belief that the following work, from a base map completion, R/W Staking performed under my responsible charge meet MCDOT Survey Standards as attracted in the MCDOT Location & Surveys guidelines and procedures. I further certify that the data compiled came from outside surveys/mapping performed by others and provided to me by MCDOT and do not certify to the accuracy or quality of the individual data sources.

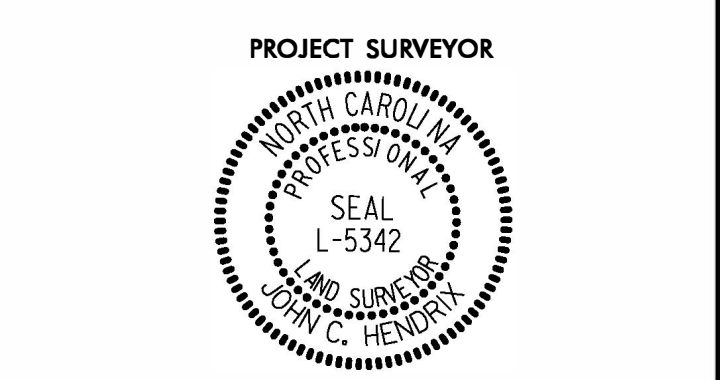
I further certify that the right of way and permanent easement points shown herein and defined in the tables shown herein located coordinates, station/offsets have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans.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

Witness my original signature, registration number and seal this 31st day of October, 2019.

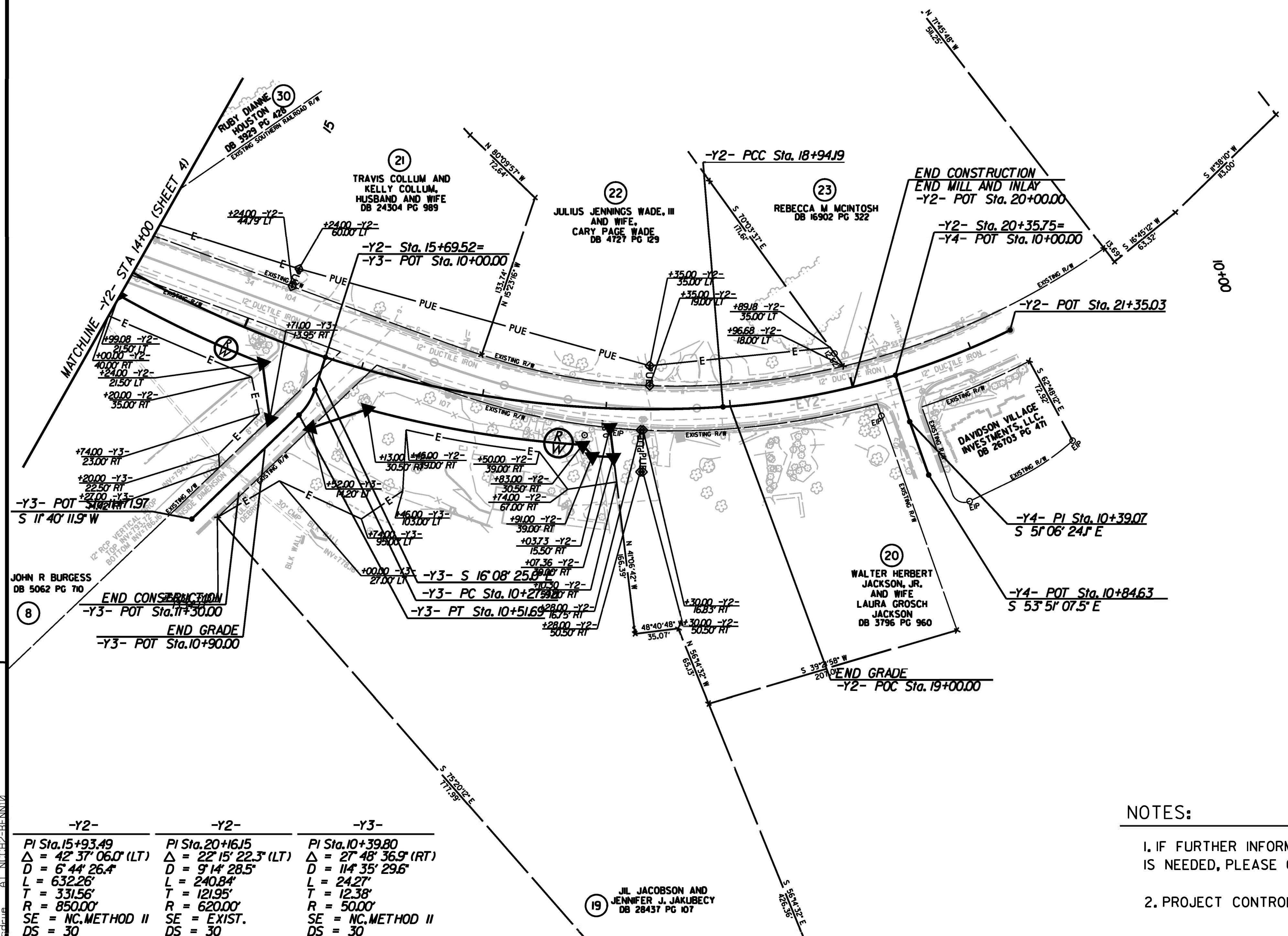
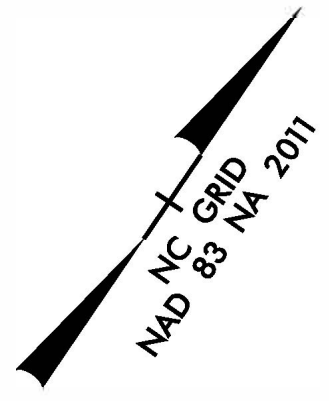
10/31/2019
Professional Land Surveyor L-5342 Seal

PROJECT REFERENCE NO.	SHEET NO.
U-5873	RW05

Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



-Y2-	-Y2-	-Y3-
PI Sta. 15+93.49	PI Sta. 20+16J5	PI Sta. 10+39.80
Δ = 42° 37' 06.0" (LT)	Δ = 22° 15' 22.3" (LT)	Δ = 27° 48' 36.9" (RT)
D = 6' 44' 26.4"	D = 9' 14' 28.5"	D = 11' 35' 29.6"
L = 632.26'	L = 240.84'	L = 24.27'
T = 331.56'	T = 121.95'	T = 12.38'
R = 850.00'	R = 620.00'	R = 50.00'
SE = NC.METHOD II	SE = EXIST.	SE = NC.METHOD II
DS = 30	DS = 30	DS = 30

NOTES:

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

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 PLOT DATE: 10/31/2019 10:55:34 AM
 PLOT BY: JCH

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.

John C. Hendrix, a Professional Land Surveyor in the state of North Carolina hereby certifies to the best of my knowledge and belief that the foregoing map, plat, plan, or survey was prepared by me or under my direct supervision and that I am a duly licensed and registered Professional Land Surveyor in the State of North Carolina.

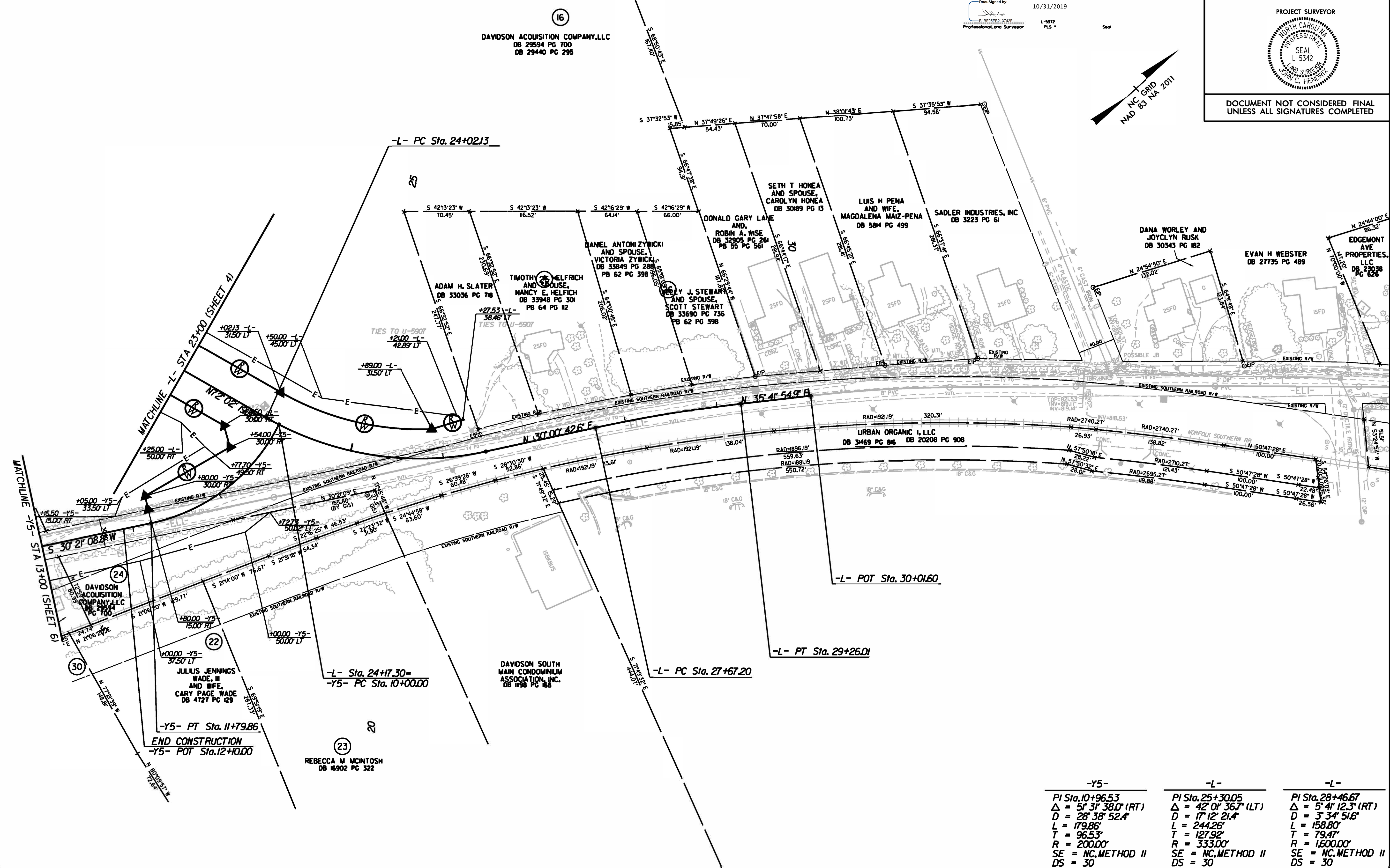
I further certify that the data compiled came from reliable surveys/measurings performed by others and provided to me by MCDOT and do not certify to the accuracy or quality of the individual data sources.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown herein located coordinates, station offsets have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding Highway Plans. I also certify that the right of way and permanent easement points shown herein have been filed 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 site of the proposed project, 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 31st day of October, 2009.

Disciplined by: 10/31/2019
Professional Land Surveyor L-5372 PLS + Seal

PROJECT REFERENCE NO. U-5873	SHEET NO. RW06
Location and Surveys	
 PROJECT REFERENCE: BOUNDARY, SITE 100 CHARLOTTE, NC 28207 PHONE: 704.537.7300 CALYXengineers.com NC License # 1-1333	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



-Y5-	-L-	-L-
PI Sta. 10+96.53	PI Sta. 25+30.05	PI Sta. 28+46.67
Δ = 51° 31' 38.0" (RT)	Δ = 42° 01' 36.7" (LT)	Δ = 5° 41' 12.3" (RT)
D = 28' 38" 52.4"	D = 17' 12" 21.4"	D = 3' 34" 51.6"
L = 179.86'	L = 244.26'	L = 158.80'
T = 96.53'	T = 127.92'	T = 79.47'
R = 200.00'	R = 333.00'	R = 1600.00'
SE = NC.METHOD II	SE = NC.METHOD II	SE = NC.METHOD II
DS = 30	DS = 30	DS = 30

REVISIONS

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