

09/03/99

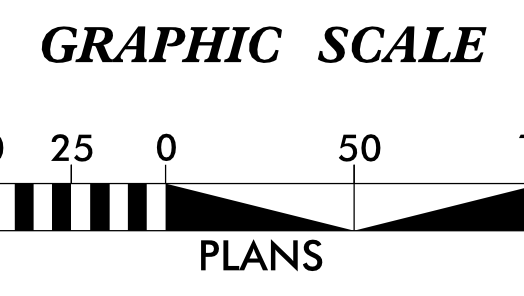
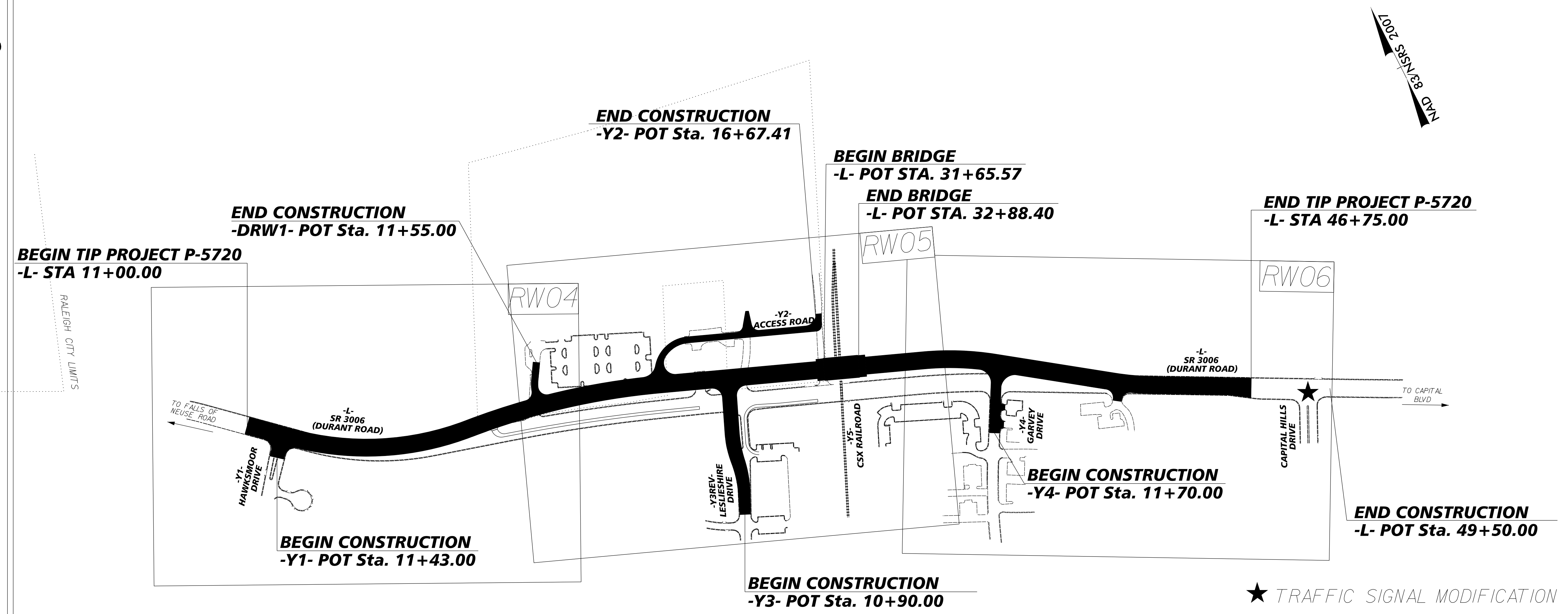
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	P-5720	RW01	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

WAKE COUNTY

TIP PROJECT: P5720



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "SEHSR-4" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 777,964.330(ft) EASTING: 2,125,243.897(ft) ELEVATION: 295.69(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99992346

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "SEHSR-4" TO -L- STATION 12+27.38 IS N 06-42'36" E 4,527.66(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS (NAVD 88)

Prepared In the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

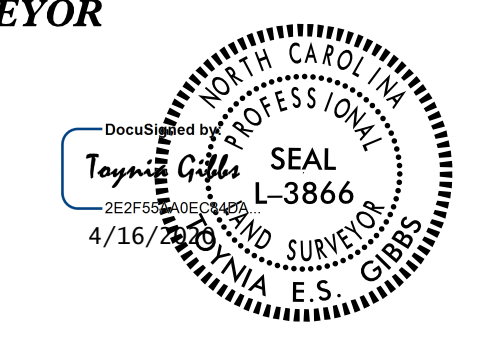
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JUNE 7, 2018

LETTING DATE:
DECEMBER 21, 2021

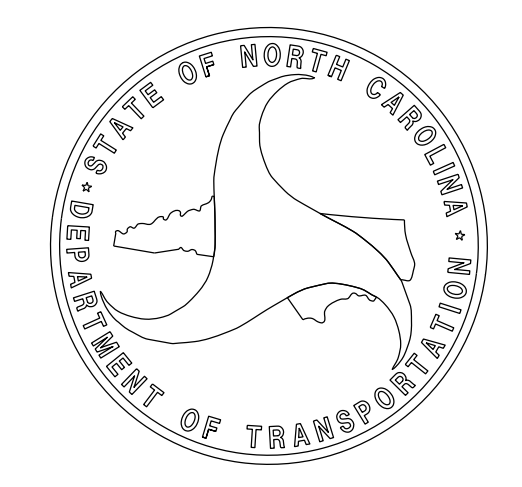
ESP ASSOCIATES, INC
2200 GATEWAY CENTRE BLVD., SUITE 216
MORRISVILLE, NC 27560
LICENSE NO. F-1407

PROFESSIONAL LAND SURVEYOR



DocuSigned by:
Toyia Gibbs
SIGNATURE:

Date:
4/16/2020



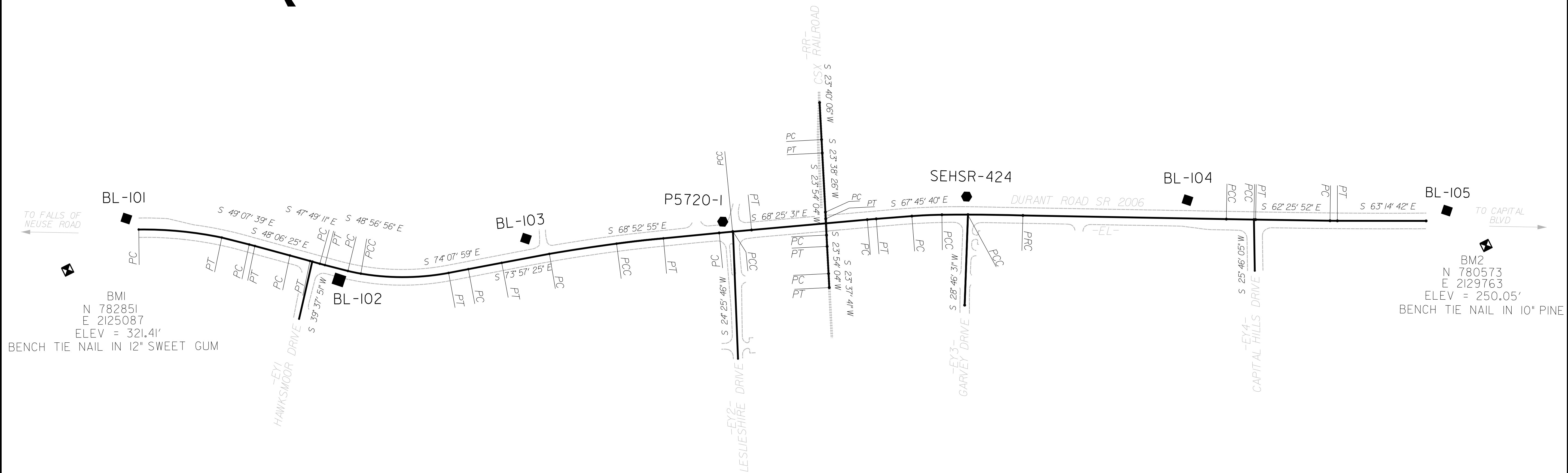
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6/2/09

PROJECT REFERENCE NO.	SHEET NO.
P-5720	RW02C-1
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



BMI
N 782851
E 2125087
ELEV = 321.41'
BENCH TIE NAIL IN 12" SWEET GUM

BM2
N 780573
E 2129763
ELEV = 250.05'
BENCH TIE NAIL IN 10" PINE

REVISIONS

I7-APR-2018 15:05
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egkincoat AT LS-299115

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.
P-5720	RW02C-3
Location and Surveys	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	782868.924	2125235.120	S 57°46'05.1" E	319.18	12°30'53.1"(RT)	03°54'47.3"	319.81	160.54	1464.18
CURVE									
PT	782698.692	2125505.111	S 49°07'38.7" E	108.29					
LINE									
PC	782627.828	2125586.998	S 48°37'01.8" E	22.46	01°01'13.7"(RT)	04°32'38.6"	22.46	11.23	1260.90
CURVE									
PT	782612.981	2125603.848	S 48°06'24.9" E	138.88					
LINE									
PC	782520.244	2125707.230	S 47°57'47.8" E	79.77	00°17'14.3"(RT)	00°21'36.7"	79.77	39.88	15907.31
CURVE									
PT	782466.831	2125766.475	S 47°49'10.6" E	8.72					
LINE									
POT	782460.975	2125772.938	S 47°49'10.6" E	29.99					
LINE									
PC	782440.837	2125795.163	S 48°23'03.2" E	20.29	01°07'45.2"(LT)	05°33'50.5"	20.29	10.15	1029.75
CURVE									
PT	782427.358	2125810.335	S 48°56'55.8" E	90.76					
LINE									
PC	782367.753	2125878.780	S 51°41'22.0" E	50.61	04°06'00.7"(LT)	08°05'58.7"	50.62	25.32	707.39
CURVE									
PCC	782336.378	2125918.492	S 63°46'05.0" E	335.75	20°08'36.7"(LT)	05°58'07.2"	337.49	170.50	959.94
CURVE									
PT	782187.974	2126219.666	S 74°07'59.2" E	76.79					
LINE									
PC	782166.979	2126293.531	S 74°02'42.0" E	130.02	00°10'34.6"(RT)	00°08'08.1"	130.02	65.01	42262.89
CURVE									
PT	782131.239	2126418.542	S 73°57'24.7" E	185.51					
LINE									
PC	782079.970	2126596.831	S 71°57'15.4" E	259.95	02°14'42.6"(RT)	00°51'49.1"	259.97	130.00	6634.27
CURVE									
PCC	781999.443	2126843.996	S 69°45'21.3" E	180.54	02°45'18.0"(RT)	01°31'33.1"	180.55	90.29	3754.96
CURVE									
PT	781936.974	2127013.379	S 68°52'54.7" E	214.36					
LINE									
PC	781859.743	2127213.339	S 68°36'59.9" E	51.39	00°32'03.9"(RT)	01°02'23.4"	51.40	25.70	5510.11
CURVE									
PCC	781841.004	2127261.196	S 68°25'29.3" E	1.56	00°00'02.4"(RT)	00°02'35.3"	1.56	0.78	132807.95
CURVE									
PCC	781840.432	2127262.643	S 68°24'32.7" E	71.33	00°01'50.8"(RT)	00°02'35.3"	71.33	35.67	132807.95
CURVE									
PT	781814.184	2127328.968	S 68°25'30.5" E	285.78					
LINE									
POT	781709.099	2127594.723	S 68°25'30.5" E	158.64					
LINE									
PC	781650.766	2127742.245	S 68°05'35.2" E	34.51	00°39'50.5"(RT)	01°55'26.1"	34.51	17.26	2978.07
CURVE									
PT	781637.889	2127774.266	S 67°45'40.0" E	136.74					
LINE									
PC	781586.138	2127900.834	S 65°51'20.1" E	115.15	03°49'12.3"(RT)	03°19'00.8"	115.17	57.61	1727.40
CURVE									
PCC	781539.037	2128005.911	S 63°37'47.8" E	99.57	00°46'09.9"(RT)	00°46'21.7"	99.57	49.79	7414.96
CURVE									
PCC	781494.810	2128095.123	S 62°25'58.4" E	210.26	01°37'29.0"(RT)	00°46'21.7"	210.26	105.14	7414.96
CURVE									
PCC	781397.506	2128281.508	S 62°16'27.8" E	778.34	00°01'11.2"(LT)	00°00'09.1"	778.34	389.17	2254412.75
CURVE									
PCC	781035.392	2128970.485	S 62°21'12.5" E	105.67	00°08'18.2"(LT)	00°07'51.5"	105.67	52.84	43751.02
CURVE									
PCC	780986.359	2129064.092	S 62°25'36.9" E	6.46	00°00'30.5"(LT)	00°07'51.5"	6.46	3.23	43751.02
CURVE									
PT	780983.367	2129069.821	S 62°25'52.1" E	284.60					
LINE									
PC	780851.652	2129322.103	S 62°50'17.1" E	28.16	00°48'50.1"(LT)	02°53'26.0"	28.16	14.08	1982.16
CURVE									
PT	780838.798	2129347.155	S 63°14'42.2" E	339.59					
LINE									
POT	780685.925	2129650.384							

EY1

POINT	N	E	BEARING	DIST
POT	782460.975	2125772.938		
LINE			S 39°37'51.4" W	224.70
POT	782287.920	2125629.617		

EY2

POINT	N	E	BEARING	DIST
POT	781840.432	2127262.643		
LINE			S 24°25'45.9" W	486.78
POT	781397.230	2127061.323		

EY3

POINT	N	E	BEARING	DIST
POT	781494.810	2128095.123		
LINE			S 28°46'31.4" W	346.78
POT	781190.854	2127928.192		

EY4

POINT	N	E	BEARING	DIST
POT	780986.359	2129064.092		
LINE			S 25°46'04.8" W	195.75
POT	780810.070	2128978.992		

RR POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	782133.137	2127780.699	S 23°40'05.7" W	142.15					
LINE									
PC	782002.943	2127723.634	S 23°42'52.6" W	51.34	00°16'25.3"(RT)	00°31'59.1"	51.34	25.67	10748.05
CURVE									
PT	781955.939	2127702.987	S 23°38'25.9" W	226.41					
LINE									
PC	781748.529	2127612.197	S 23°54'00.4" W	25.74	00°15'37.4"(LT)	01°00'42.6"	25.74	12.87	5662.54
CURVE									
PT	781725.000	2127601.770	S 23°54'04.3" W	17.39					
LINE									
POT	781709.099	2127594.723	S 23°54'04.3" W	45.15					
LINE									
PC	781667.824	2127576.431	S 23°45'46.1" W	43.31	00°05'59.4"(LT)	00°13'49.8"	43.31	21.65	24857.15
CURVE									
PT	781628.189	2127558.981	S 23°37'40.5" W	104.30					
LINE									
PC	781532.629	2127517.177	S 23°45'38.8" W	53.57	00°08'03.1"(RT)	00°15'01.9"	53.57	26.78	22869.26
CURVE									
PT	781532.629	2127517.177							

NOTES:

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REVISIONS

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
P-5720	RW02D-1
Location and Surveys	

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	782612.9815	2125603.8477
PC	12+61.72	782437.7496	2125798.2538
PRC	18+94.31	782185.6324	2126366.9649
PT	25+83.22	782023.2143	2127034.2172
PC	35+18.32	781679.3637	2127903.7990
PT	37+66.57	781560.5027	2128121.0219
PC	41+91.73	781311.8110	2128465.8576
PT	43+32.63	781237.7020	2128585.5595
POT	47+67.48	781035.3923	2128970.4846

Y1

TYPE	STATION	NORTH	EAST
POT	10+00.00	782287.9199	2125629.6169
POT	12+24.40	782460.7423	2125772.7453

Y2

TYPE	STATION	NORTH	EAST
POT	10+00.00	782023.2143	2127034.2172
PC	10+32.00	782052.9723	2127045.9842
PT	12+12.64	782117.6278	2127195.2144
POT	17+42.88	781922.6485	2127688.3076

Y3

TYPE	STATION	NORTH	EAST
POT	10+00.00	781397.2296	2127061.3226
POT	15+72.87	781918.8120	2127298.2458

Y4

TYPE	STATION	NORTH	EAST
POT	10+00.00	781190.8536	2127928.1916
POT	14+15.73	781555.2442	2128128.3133

Y5

TYPE	STATION	NORTH	EAST
POT	9+00.00	781392.0371	2127455.4016
POT	17+09.35	782133.1366	2127780.6990

DRW1

TYPE	STATION	NORTH	EAST
POT	9+00.00	781392.0371	2127455.4016
EOB	20+42.61	782184.8474	2126632.5999
EQA	10+39.79	782184.8474	2126632.5999
PT	10+93.15	782234.0723	2126652.4386
EOB	22+25.91	782133.1366	2127780.6990
EQA	17+09.35	782133.1366	2127780.6990

DRW2

TYPE	STATION	NORTH	EAST
POT	10+00.00	782107.5676	2127220.6561
PC	10+46.82	782151.1092	2127237.8733
PT	12+27.46	782300.3395	2127173.2179
PC	13+26.10	782336.6096	2127081.4926
PT	15+01.80	782276.5128	2126934.1793
POT	15+30.00	782250.7529	2126922.6893

NOTES:

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

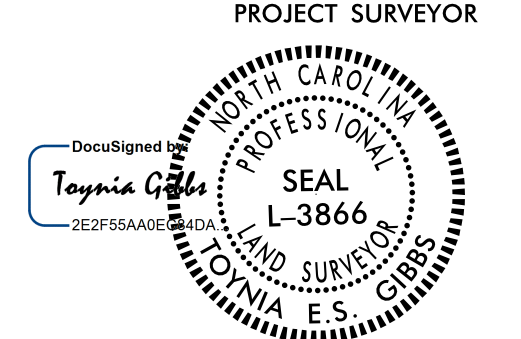
REVISIONS

6/2/09

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6/2/19

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO. P-5720	SHEET NO. RW03E-1
Location and Surveys	
ESP ASSOCIATES, INC 2200 GATEWAY CENTRE BLVD., SUITE 216 MORRISVILLE, NC 27560 LICENSE NO. F-1407	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	


I, Taysia E. S. Gibbs, 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 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, 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).

2/17/2020

Witness my original signature, registration number and seal this day

DocuSigned by:

 Taysia Gibbs
 Professional Land Surveyor L-3866
 Seal

ROW MARKER IRON PIN AND CAP-UNLESS NOTED BELOW

ALIGN	STATION	OFFSET	NORTH	EAST
L	11+00.00	-45.02	782579.4733	2125708.2705
L	11+00.00	-46.50	782580.5685	2125709.2595
L	12+61.72	-46.50	782472.2893	2125829.3868
L	18+94.31	-46.50	782231.8955	2126371.6528
L	21+15.00	-46.50	782199.3969	2126594.0132
L	22+00.00	-52.50	782187.5167	2126680.0833
L	25+30.00	-52.50	782091.4783	2127002.7809
L	26+99.09	130.44	781859.3037	2127094.0040
L	32+68.12	-124.00	781886.6767	2127716.7303
L	33+25.35	-46.50	781793.5624	2127741.4520
L	33+28.09	-116.27	781857.4375	2127769.6529
L	35+18.32	-46.50	781722.6058	2127920.8978
L	37+66.57	-46.50	781598.2177	2128148.2216
L	39+79.15	-46.50	781473.8719	2128320.6394
L	41+91.73	-46.50	781349.5261	2128493.0573
L	43+32.61	-44.92	781277.4751	2128606.4414

(MAG NAIL)

ROW MARKER IRON PIN AND CAP-UNLESS NOTED BELOW

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	10+70.00	-30.00	782104.8691	2127042.6803
Y2	11+48.42	-30.00	782153.2926	2127126.6965
Y2	12+12.64	-30.00	782145.5259	2127206.2459
Y2	12+12.64	-25.00	782140.8762	2127204.4074
Y2	12+91.02	-25.00	782112.0551	2127277.2947
Y2	16+30.00	-25.00	781987.4066	2127592.5248
Y2	16+65.00	-60.00	782007.0843	2127637.9427
Y2	16+95.57	-60.00	781995.8441	2127666.3685

(MAG NAIL)

(MAG NAIL)
(NOT SET- IN BUILDING)

ROW MARKER IRON PIN AND CAP-UNLESS NOTED BELOW

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	11+70.00	-31.12	781564.3894	2127103.0092
Y3	12+10.00	-68.00	781610.1105	2127080.7924

(NOT SET IN BUILDING)

ROW MARKER IRON PIN AND CAP-UNLESS NOTED BELOW

ALIGN	STATION	OFFSET	NORTH	EAST
DRW1	10+75.00	-20.00	782226.6778	2126625.6406
DRW1	10+75.00	20.00	782209.6415	2126661.8313

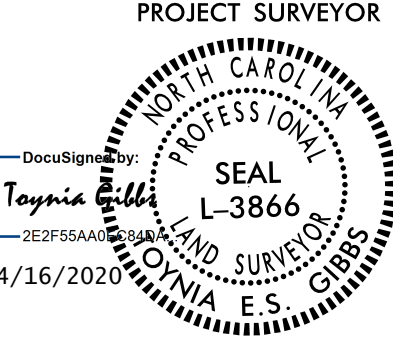
REVISIONS

17-FEB-2020 08:57
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 R-W Restake\Location\Row Files\P5720_1s_RW03E-1_200214.dgn
 Taysia Gibbs
 2/17/2020

NOTES:

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

PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
P-5720	RW03E-2
Location and Surveys	
ESP ASSOCIATES, INC 2200 GATEWAY CENTRE BLVD., SUITE 216 MORRISVILLE, NC 27560 LICENSE NO. F-1407	
PROJECT SURVEYOR 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Taysia E. S. Gibbs, 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/Issue 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 day 4/16/2020

DocuSigned by:
Taysia Gibbs
 L-3866
 Professional Land Surveyor

PERM. EASEMENT MARKER IRON PIN AND CAP-UNLESS NOTED BELOW

ALIGN	STATION	OFFSET	NORTH	EAST
DRW1	10+77.00	-45.00	782239.6704	2126604.1445
DRW1	11+20.00	-30.00	782272.7690	2126641.3211
DRW1	11+20.00	55.00	782227.5497	2126713.2948
DRW1	11+31.00	16.00	782257.6116	2126686.1235
DRW1	11+42.00	50.00	782248.8381	2126720.7649

PERM. EASEMENT MARKER IRON PIN AND CAP-UNLESS NOTED BELOW

ALIGN	STATION	OFFSET	NORTH	EAST
L	20+73.00	-46.50	782207.0922	2126551.9303
L	20+73.00	-80.00	782240.0953	2126557.6792
L	22+08.00	-52.50	782185.6954	2126688.0457
L	25+30.00	-90.00	782126.6366	2127015.8248
L	28+93.35	188.09	781734.2631	2127253.4531
L	29+43.00	132.39	781767.8028	2127320.1060
L	29+43.00	145.00	781756.0770	2127315.4694
L	29+75.00	145.00	781744.3101	2127345.2274
L	29+75.00	155.00	781735.0107	2127341.5502
L	29+96.00	145.00	781736.5880	2127364.7561
L	29+96.00	155.00	781727.2886	2127361.0789
L	31+14.40	145.00	781693.0495	2127474.8630
L	31+52.53	145.00	781679.0289	2127510.3204
L	32+80.00	145.00	781632.1565	2127628.8585
L	32+80.00	160.00	781618.2074	2127623.3427
L	33+01.00	145.00	781624.4344	2127648.3872
L	33+01.00	160.00	781610.4854	2127642.8714
L	34+91.00	145.00	781554.5683	2127825.0754
L	36+43.00	-117.00	781729.0241	2128072.8096
L	36+47.00	-46.50	781665.1775	2128042.6009
L	36+71.00	-119.00	781715.3401	2128101.0342
L	36+77.00	-46.50	781649.5722	2128069.8414
L	36+78.00	140.00	781488.7153	2127975.4580
L	42+42.00	70.40	781224.3460	2128469.0939
L	42+48.00	86.00	781207.7260	2128466.0966
L	42+64.00	68.69	781213.2225	2128489.8985
L	42+67.00	82.00	781200.1936	2128485.6783
L	43+15.00	45.21	781206.4098	2128548.2812
L	45+38.00	-74.00	781207.6609	2128801.7758
L	45+42.00	-44.99	781180.1219	2128791.8206
L	45+58.00	-76.00	781200.1265	2128820.4100
L	45+63.00	-45.00	781170.3592	2128810.4133

(MAG NAIL)

(SPIKE)

(NOT SET-IN TREE)

PERM. EASEMENT MARKER IRON PIN AND CAP-UNLESS NOTED BELOW

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	10+96.00	-30.00	782127.1857	2127066.5988
Y2	11+02.00	-59.00	782155.6981	2127056.7648
Y2	11+15.00	-30.00	782139.7974	2127086.9349
Y2	11+23.06	-50.00	782162.5037	2127088.3046
Y2	11+44.80	-63.00	782184.6488	2127115.2365
Y2	11+44.00	-78.00	782199.0192	2127110.7464
Y2	11+49.00	-70.00	782192.7993	2127120.3796
Y2	11+58.03	-51.00	782175.8825	2127136.6246
Y2	13+43.00	-101.00	782163.6165	2127353.5791
Y2	13+71.00	-25.00	782082.6452	2127351.6708
Y2	13+71.00	-101.00	782153.3205	2127379.6173

(MAG NAIL)

PERM. EASEMENT MARKER IRON PIN AND CAP-UNLESS NOTED BELOW

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	11+50.00	-31.08	781546.6531	2127095.0633
Y3	11+89.00	-69.00	781594.0012	2127074.1358
Y3	12+22.00	-70.43	781620.3127	2127081.3333

PERM. EASEMENT MARKER IRON PIN AND CAP-UNLESS NOTED BELOW

ALIGN	STATION	OFFSET	NORTH	EAST
Y4	12+84.00	-47.55	781462.6747	2128023.2214
Y4	12+85.00	31.15	781425.6658	2128092.6862

PERM. EASEMENT MARKER IRON PIN AND CAP-UNLESS NOTED BELOW

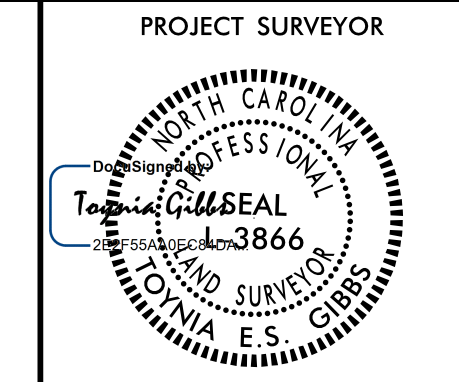
ALIGN	STATION	OFFSET	NORTH	EAST
Y5	11+70.00	-39.55	781655.1629	2127527.7109
Y5	11+70.00	-65.19	781665.4691	2127504.2311
Y5	11+89.00	40.46	781640.4060	2127608.6030

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

I:\APR-2020-1510-1511\Projects\5720\RS2\HM01\09_P5720.con.esp3 R-W Restake\Location\P5720-1s.RW03E-2-200416.dgn
 4/16/2020 10:50 AM Taysia Gibbs
 4/16/2020 10:50 AM Taysia Gibbs



DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

-L-		-DRWI-	
PI Sta 15+89.00	PI Sta 22+40.96	PI Sta 10+66.76	
$\Delta = 36^{\circ}14'39.9''$ (LT)	$\Delta = 15^{\circ}47'19.4''$ (RT)	$\Delta = 20^{\circ}22'45.8''$ (RT)	
D = 5'43.465'	D = 2'17.306'	D = 38'11.499'	
L = 632.58'	L = 688.91'	L = 53.35'	
T = 327.28'	T = 346.65'	T = 26.96'	
R = 1,000.00'	R = 2,500.00'	R = 150.00'	
SE = 0.04	SE = 0.03		

I, Tanya E. Gibbs, 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 Completion, R/W Staking) performed under my reasonable 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 of the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

2/17/2020

Witness my original signature, registration number and seal this day _____

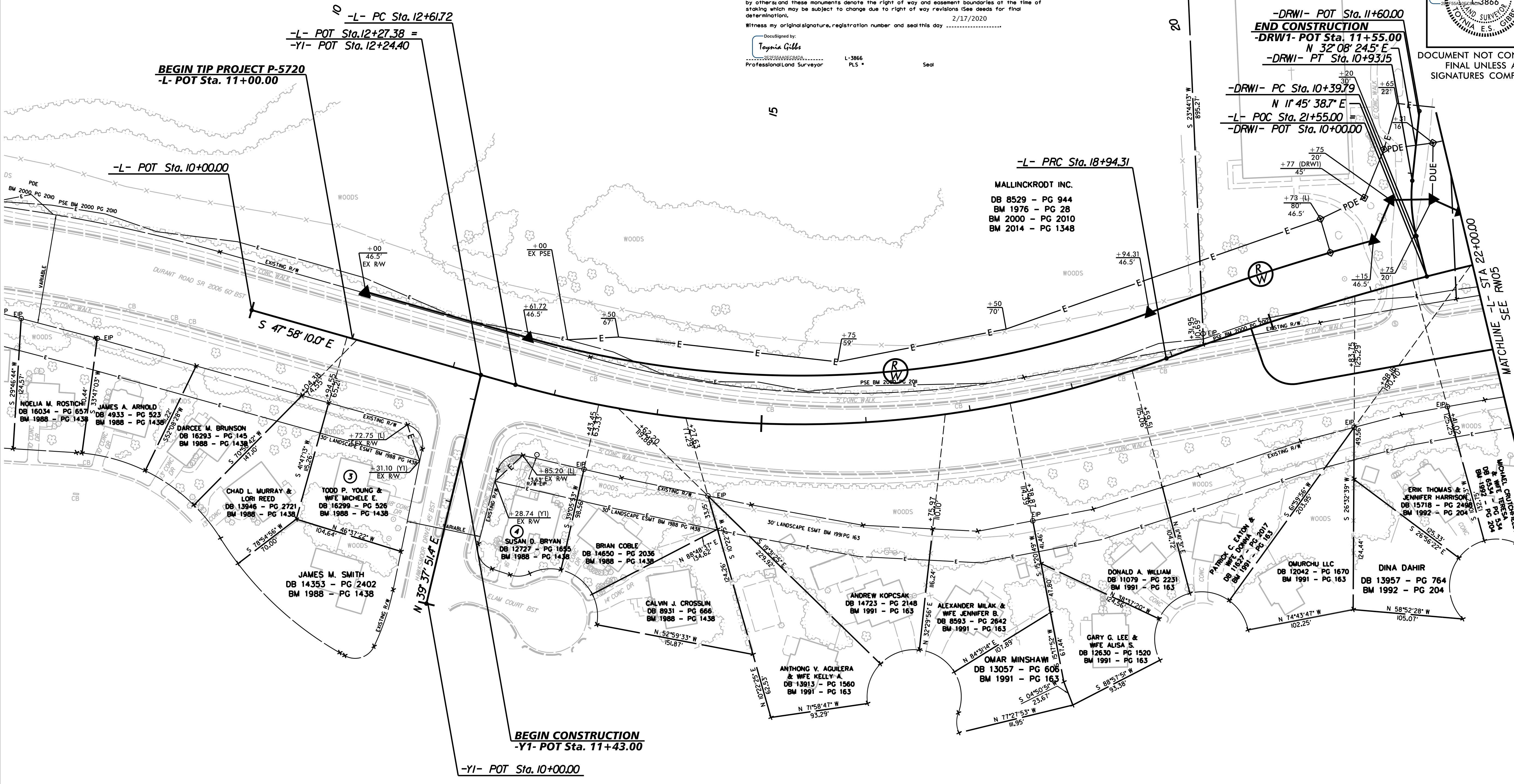
DocuSigned by:
Tanya Gibbs
Professional Land Surveyor PLS # 3866 Seal

LIFEPONTE CHRISTIAN CHURCH INC.
DB 14386 - PG 2347
BM 2013 - PG 204
BM 1982 - PG 677
BM 2000 - PG 2012

-DRWI- POT Sta. 11+60.00
END CONSTRUCTION
-DRWI- POT Sta. 11+55.00
N 32°08'24.5"E
-DRWI- PT Sta. 10+93.15

-DRWI- PC Sta. 10+39.79
N 11°45'38.7"E
-L- POC Sta. 21+55.00 =
-DRWI- POT Sta. 10+00.00

-L- PRC Sta. 18+94.31
MALLINCKRODT INC.
DB 8529 - PG 944
BM 1976 - PG 28
BM 2000 - PG 2010
BM 2014 - PG 1348



BEGIN TIP PROJECT P-5720
-L- POT Sta. 11+00.00

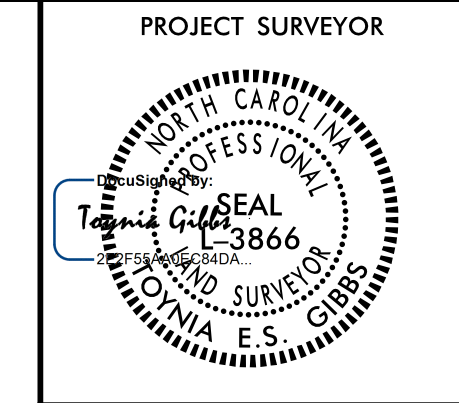
BEGIN CONSTRUCTION
-Y1- POT Sta. 11+43.00

NOTES:

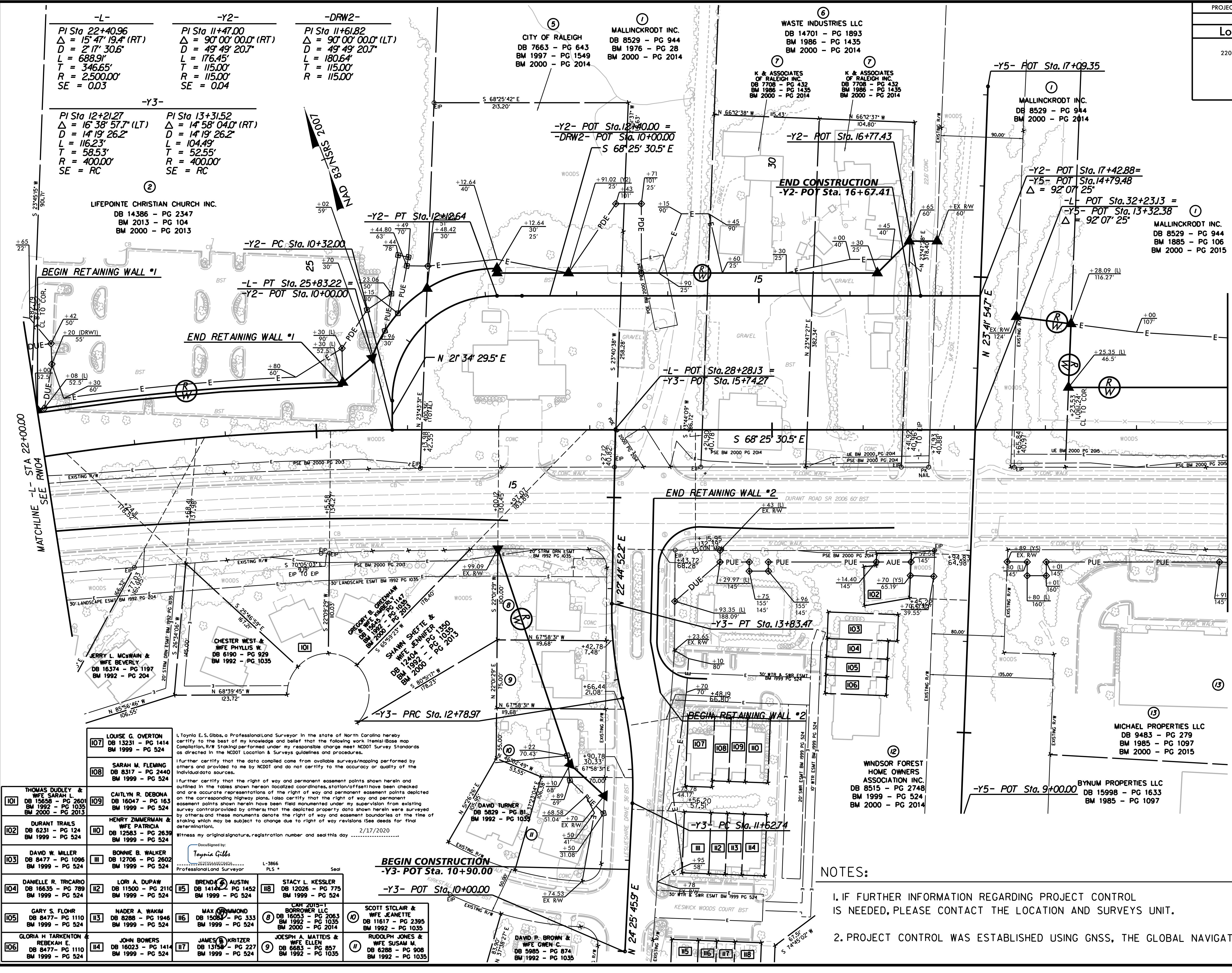
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

REVISIONS

I:\FEB-2020_0855\Projects\RS2\HM01\086 P5720.con.esp2
 R:\Work\Restake\Location\Row Files\P5720_1s_RW-04_200214.dgn
 6/2/19



DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED



-L-
PI Sta 22+40.96
Δ = 15° 47' 19.4" (RT)
D = 2' 17" 30.6"
L = 688.91'
T = 346.65'
R = 2,500.00'
SE = 0.03

-Y2-
PI Sta 11+47.00
Δ = 90° 00' 00.0" (RT)
D = 49' 49" 20.7"
L = 176.45'
T = 115.00'
R = 115.00'
SE = 0.04

-DRW2-
PI Sta 11+61.82
Δ = 90° 00' 00.0" (LT)
D = 49' 49" 20.7"
L = 180.64'
T = 115.00'
R = 115.00'

-Y3-
PI Sta 12+21.27
Δ = 16° 38' 57.7" (LT)
D = 14' 19" 26.2"
L = 116.23'
T = 58.53'
R = 400.00'
SE = RC

PI Sta 13+31.52
Δ = 14° 58' 04.0" (RT)
D = 14' 19" 26.2"
L = 104.49'
T = 52.55'
R = 400.00'
SE = RC

LIFEPOINTE CHRISTIAN CHURCH INC.
DB 14386 - PG 2347
BM 2013 - PG 104
BM 2000 - PG 2013

BEGIN RETAINING WALL #1

END RETAINING WALL #1

MATCHLINE -L- STA 22+00.00
SEE RW04

JERRY L. McSWAIN & WIFE BEVERLY
DB 16374 - PG 1197
BM 1992 - PG 204

CHESTER WEST & WIFE PHYLLIS W.
DB 6100 - PG 929
BM 1992 - PG 1035

LOUISE G. OVERTON DB 13231 - PG 1414 BM 1999 - PG 524	THOMAS DUDLEY & WIFE SARAH L. DB 15658 - PG 2601 BM 1992 - PG 1035 BM 2000 - PG 2013	DURANT TRAILS DB 6231 - PG 124 BM 1999 - PG 524	DAVID W. MILLER DB 8477 - PG 1096 BM 1999 - PG 524	DANIELLE R. TRICARIO DB 16635 - PG 789 BM 1999 - PG 524	GARY S. FLOHR DB 8477 - PG 1110 BM 1999 - PG 524	GLORIA H. TARKENTON & REBEKAH E. DB 8477 - PG 1110 BM 1999 - PG 524
SARAH M. FLEMING DB 8317 - PG 2440 BM 1999 - PG 524	CAITLYN R. DEBONA DB 16047 - PG 163 BM 1999 - PG 524	HENRY ZIMMERMAN & WIFE PATRICIA DB 12583 - PG 2639 BM 1999 - PG 524	BONNIE B. WALKER DB 12706 - PG 2602 BM 1999 - PG 524	LORI A. DUPAW DB 11500 - PG 2110 BM 1999 - PG 524	NADER A. WAKIM DB 8288 - PG 1946 BM 1999 - PG 524	JOHN BOWERS DB 16023 - PG 1414 BM 1999 - PG 524
BRENDA A. AUSTIN DB 14144 - PG 1452 BM 1999 - PG 524	MAX BRONNMOND DB 15083 - PG 333 BM 1999 - PG 524	JAMES J. KRITZER DB 13156 - PG 227 BM 1999 - PG 524	JOSEPH A. MATTEIS & WIFE ELLEN DB 6683 - PG 857 BM 1992 - PG 1035	STACY L. KESSLER DB 12026 - PG 775 BM 1999 - PG 524	SCOTT STCLAIR & WIFE JEANETTE DB 11617 - PG 2395 BM 1992 - PG 1035	RUDOLPH JONES & WIFE SUSAN M. DB 6288 - PG 908 BM 1992 - PG 1035

I, Tanya E. S. Gibbs, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work (hereinafter 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/measurements 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 day 2/17/2020

Tanya Gibbs
Professional Land Surveyor L-3866 PLS

BEGIN CONSTRUCTION
-Y3- POT Sta. 10+90.00
-Y3- POT Sta. 10+00.00

NOTES:

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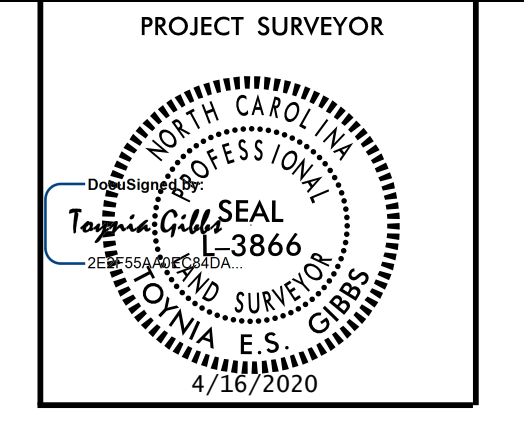
MATCHLINE -L- STA 35+00.00
SEE RW06

MICHAEL PROPERTIES LLC
DB 9483 - PG 279
BM 1985 - PG 1097
BM 2000 - PG 2015

BYNUM PROPERTIES LLC
DB 15998 - PG 1633
BM 1985 - PG 1097

WINDSOR FOREST HOME OWNERS ASSOCIATION INC.
DB 8515 - PG 2748
BM 1999 - PG 524
BM 2000 - PG 2014

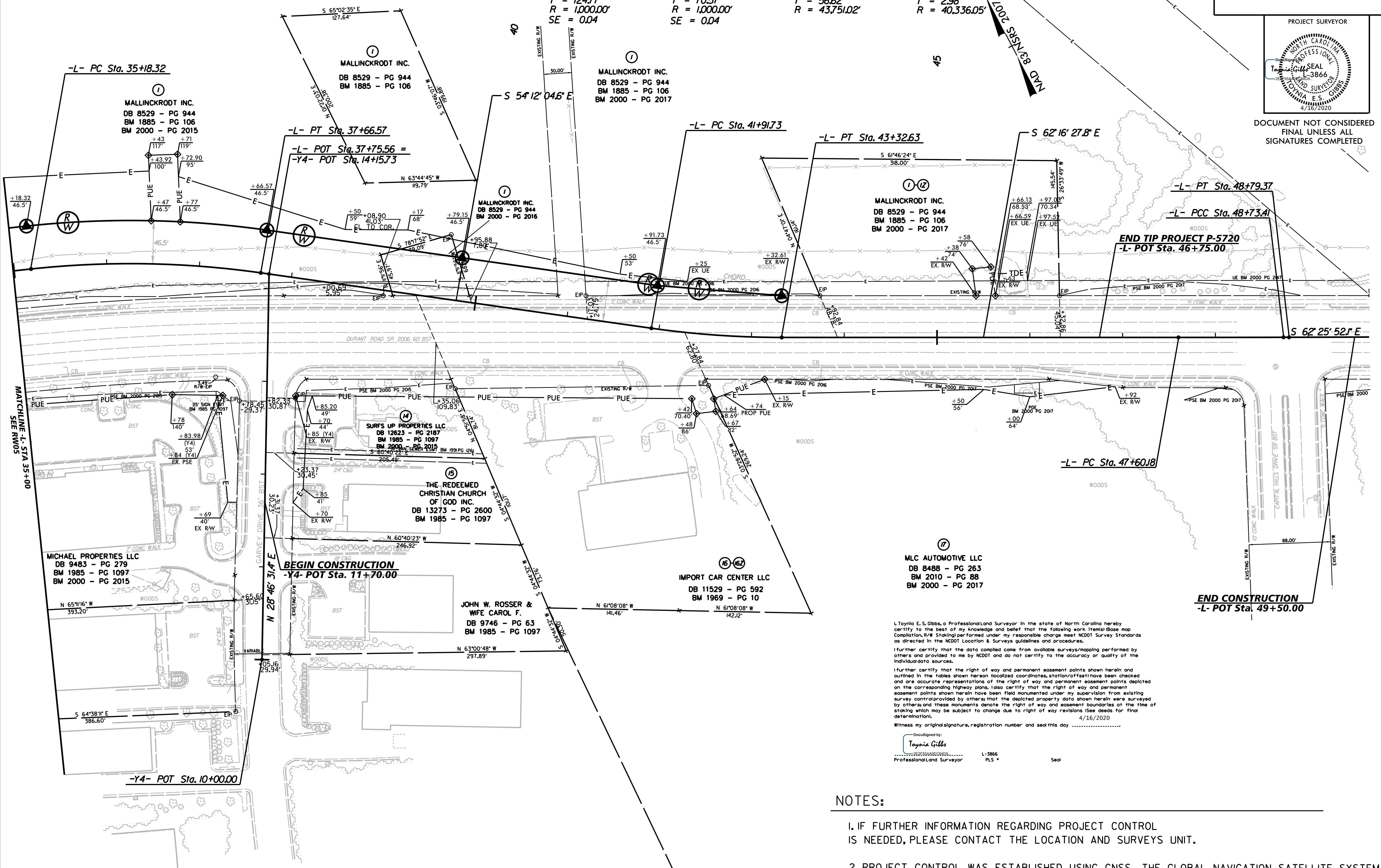
MATCHLINE -L- STA 35+00.00
SEE RW06



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-L-

PI Sta 36+43.09 $\Delta = 14'13''25.9''$ (RT) $D = 5'43''46.5''$ $L = 248.25'$ $T = 124.77'$ $R = 1,000.00'$ $SE = 0.04$	PI Sta 42+62.30 $\Delta = 8'04''23.2''$ (LT) $D = 5'43''46.5''$ $L = 140.90'$ $T = 70.57'$ $R = 1,000.00'$ $SE = 0.04$	PI Sta 48+16.79 $\Delta = 0'08''53.8''$ (LT) $D = 0'07''51.5''$ $L = 113.23'$ $T = 56.62'$ $R = 43,751.02'$	PI Sta 48+76.39 $\Delta = 0'00''30.5''$ (LT) $D = 0'08''31.4''$ $L = 5.96'$ $T = 2.98'$ $R = 40,336.05'$
---	---	---	--



I, Tanya E. S. Gibbs, 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 Completion, 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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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 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). 4/16/2020

Witness my original signature, registration number and seal this day

DocuSigned by:
Tanya Gibbs
 Professional Land Surveyor L-3866 PLS Seal

NOTES:

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35

13-APR-2020 15:00
 S:\Projects\109 P5720\con_esp3 P-W Restake\Location\P5720-1s-RW-06_200214.dgn
 6/2/19