

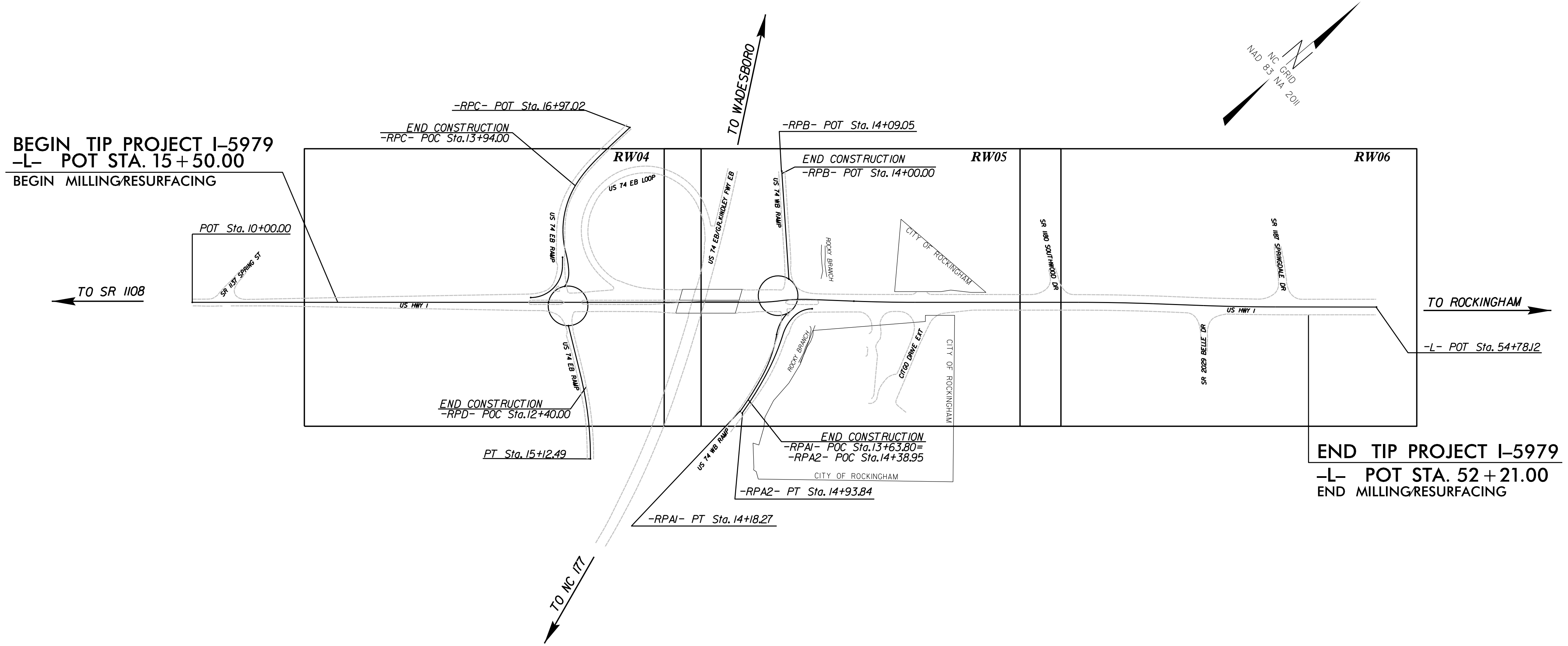
| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-------|-----------------------------|-----------|--------------|
| N.C. | I5979 | RW01 | 6 |

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

RICHMOND COUNTY

TIP PROJECT: I5979

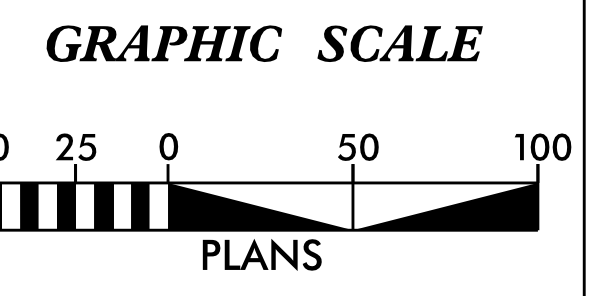


BEGIN TIP PROJECT I-5979
-L- POT STA. 15+50.00
BEGIN MILLING/RESURFACING

END TIP PROJECT I-5979
-L- POT STA. 52+21.00
END MILLING/RESURFACING

NOT TO SCALE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "I5979-2" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 423,066.1158(ft) EASTING: 1,762,216.8660(ft) ELEVATION: 242.841(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99984419 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "I5979-2" TO -L- STATION 10+00.00 IS S 38° 36' 05" W 1478.35' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88, GEOID 12B(CONUS)

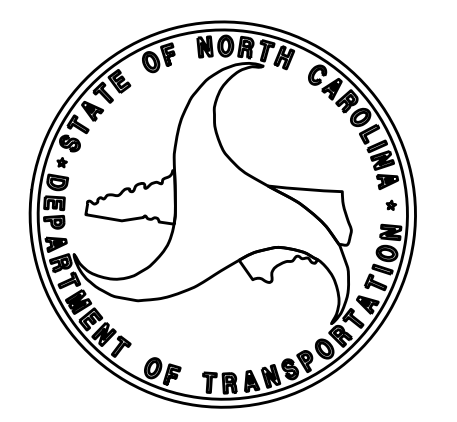
Prepared in the Office of:
ESP ASSOCIATES, INC
2200 GATEWAY CENTRE BLVD., SUITE 216
MORRISVILLE, NC 27560
LICENSE NO. F-1407

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: _____ **LETTING DATE:** _____

PROFESSIONAL LAND SURVEYOR

Tanya Gibbs
SIGNATURE: _____ Date: _____

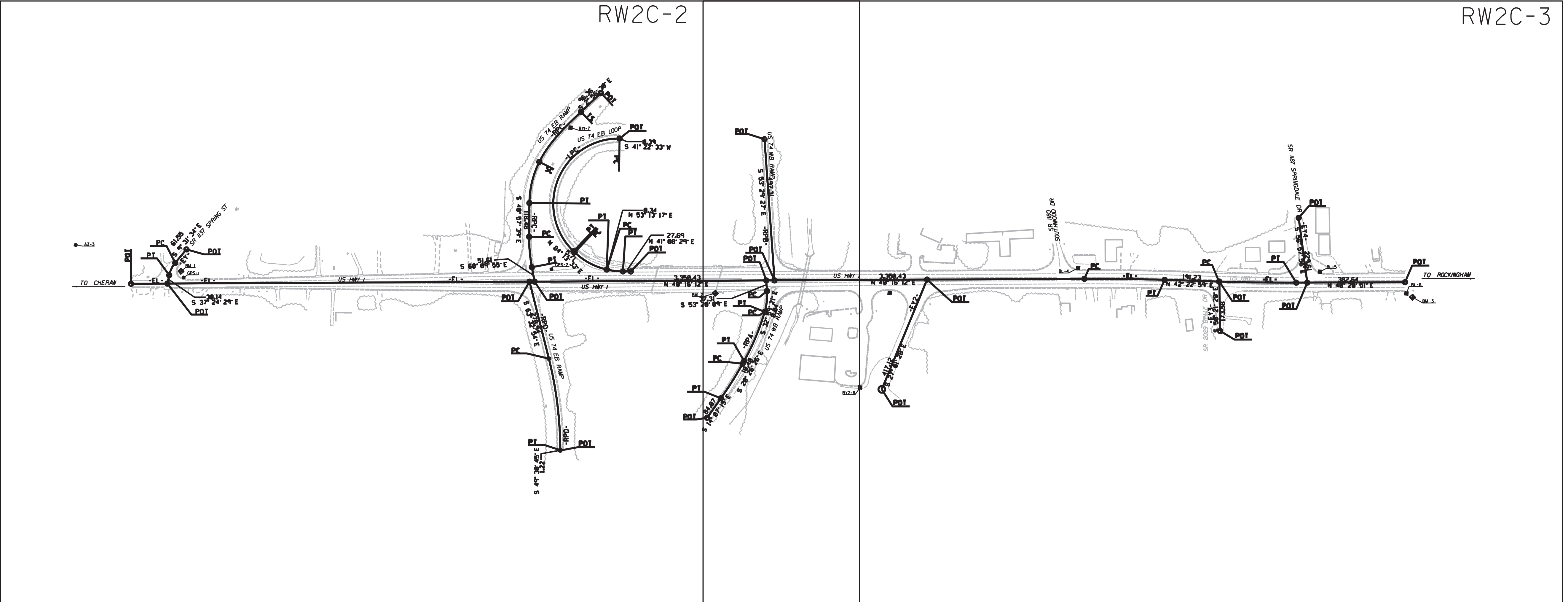
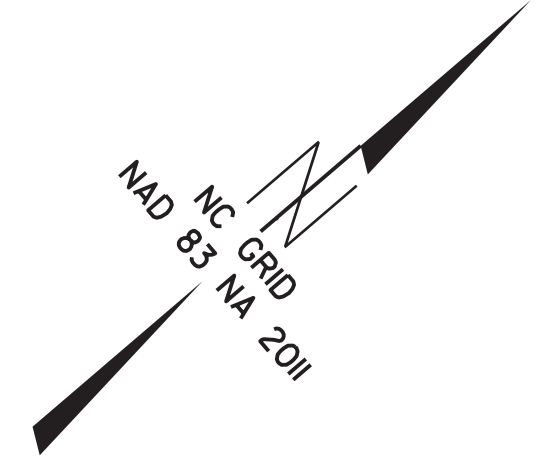


\$\$\$\$\$SYTIME\$\$\$\$\$DGN\$\$\$\$\$USERNAME\$\$\$\$\$

| | |
|---|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5979 | RW2C-1 |
| Location and Surveys | |
| ESP ASSOCIATES, INC P.O. BOX 7030 CHARLOTTE, NC 28241 | |

SURVEY CONTROL SHEET INDEX

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEETS
RW2C-3 TO RW2C-4
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

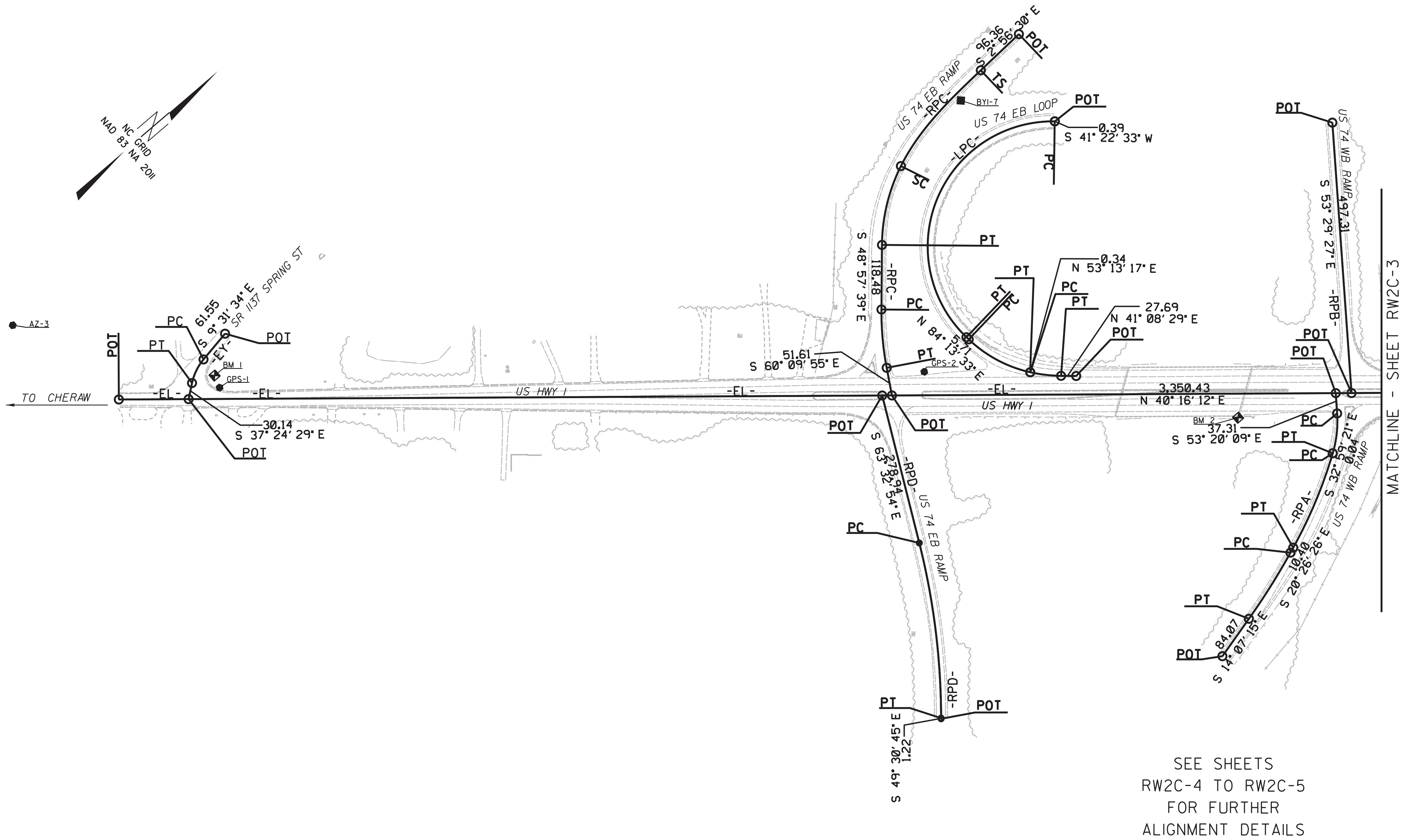
6/2/09

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| | |
|---|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5979 | RW2C-2 |
| Location and Surveys | |
| ESP ASSOCIATES, INC P.O. BOX 7030 CHARLOTTE, NC 28241 | |

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



SEE SHEETS
RW2C-4 TO RW2C-5
FOR FURTHER
ALIGNMENT DETAILS

- 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

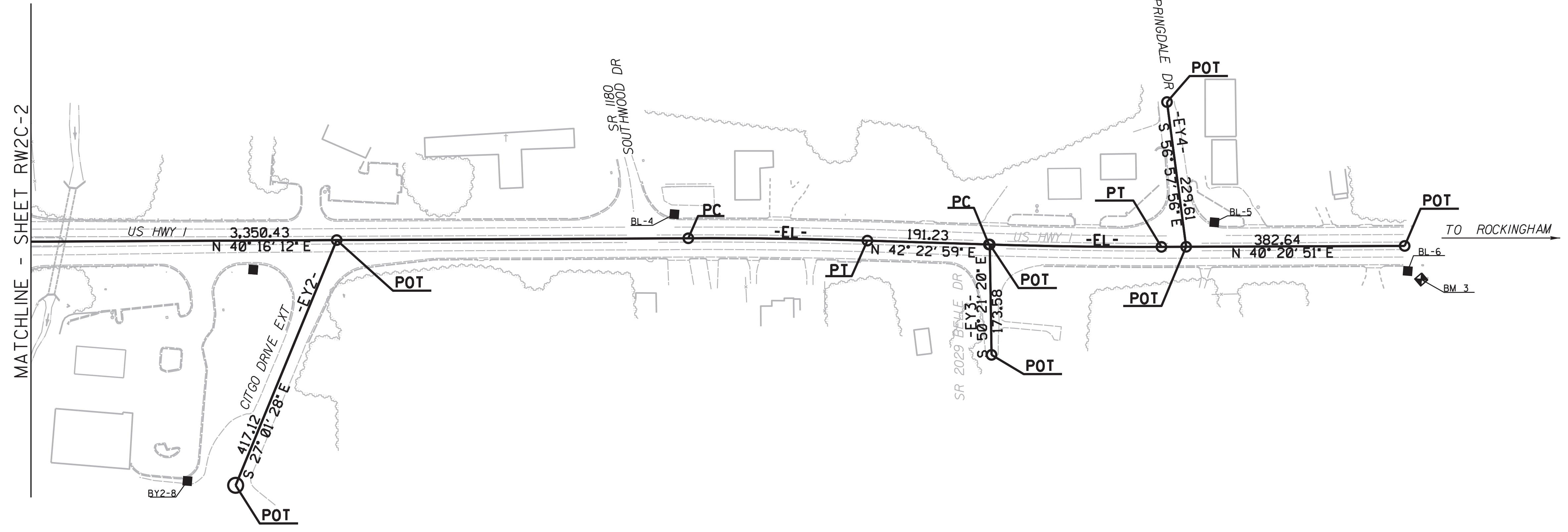
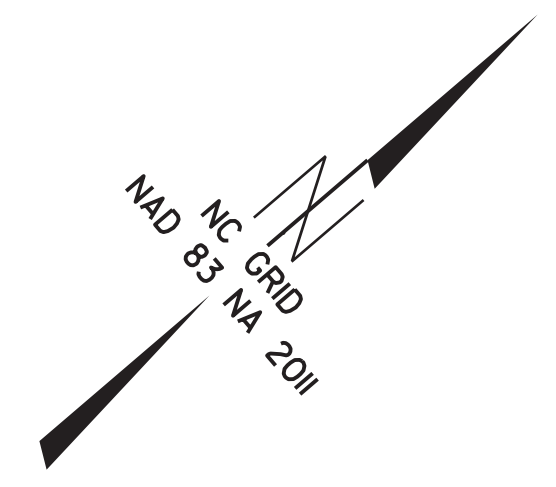
6/2/09

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12/2/2018 10:52:04 AM

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

6/2/99



SEE SHEETS
 RW2C-4 TO RW2C-5
 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

05/15/2018 12:08 PM
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 ESP ASSOCIATES, INC

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| BL | POINT | DESC. | NORTH | EAST | ELEVATION |
|----|-------|-------|-------------|--------------|-----------|
| 1 | | GPS-1 | 422065.3850 | 1761398.1430 | 269.46 |
| 2 | | GPS-2 | 423066.1160 | 1762216.8660 | 242.84 |
| 3 | | BL-3 | 423915.1170 | 1763052.5770 | 225.25 |
| 4 | | BL-4 | 424475.0810 | 1763417.1480 | 248.49 |
| 5 | | BL-5 | 425112.0680 | 1763979.3490 | 244.06 |
| 6 | | BL-6 | 425293.3080 | 1764235.3050 | 243.25 |

| BY1 | POINT | DESC. | NORTH | EAST | ELEVATION |
|-----|-------|-------|-------------|--------------|-----------|
| 7 | | BY1-7 | 423440.7690 | 1761882.3940 | 215.97 |
| 12 | | GPS-2 | 423066.1160 | 1762216.8660 | 242.84 |

| BY2 | POINT | DESC. | NORTH | EAST | ELEVATION |
|-----|-------|-------|-------------|--------------|-----------|
| 13 | | BL-3 | 423915.1170 | 1763052.5770 | 225.25 |
| 8 | | BY2-8 | 423620.3460 | 1763237.6790 | 226.40 |

.....
 BM1 ELEVATION = 273.85
 N 422073 E 1761375
 BL STATION 5+00.00
 N 71+53'45.8" W DIST 23.97
 CUT "X" BOLT OLDING TOP FLANGE OF FH

.....
 BM2 ELEVATION = 233.83
 N 423449 E 1762655
 BL STATION 23+73.00 44 RIGHT
 EXISTING NCGS MONUMENT ON NE CORNER OF BRIDGE IN HEADWALL

.....
 BM3 ELEVATION = 240.21
 N 425301 E 1764259
 BL STATION 48+16.00
 N 72+33'06.3" E DIST 25.07
 CHISLED "X" IN HEADWALL OF CULVERT ONEAST SIDE OF HWY 1

NOTES:


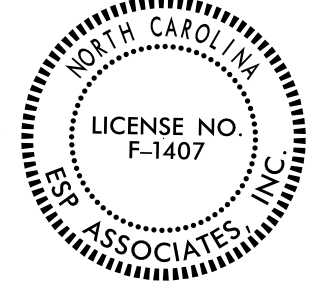
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

6/2/99

05-SEP-2018 16:08
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PROPOSED ALIGNMENT CONTROL SHEET

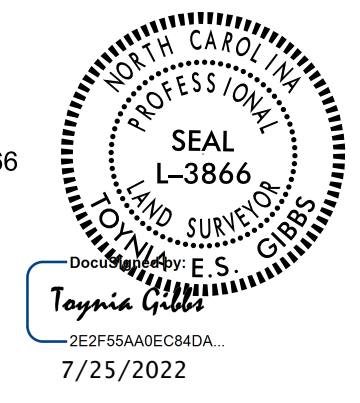
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|---|---|
| PROJECT REFERENCE NO. | SHEET NO. |
| 15979 | RW02D-1 |
| Location and Surveys | |
| ESP ASSOCIATES INC 2200 GATEWAY CENTRE BLVD., SUITE 216 MORRISVILLE, NC 27560 LICENSE NO. F-1407 | |
| PROJECT SURVEYOR | |
|  |  |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

I, Toynia E.S. Gibbs, PLS, 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.

Witness my original signature and seal this day
7/25/2022

DocuSigned by:

Toynia Gibbs
Professional Land Surveyor L-3866



L

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| POT | 10+00.00 | 421910.7793 | 1761294.5293 |
| PC | 31+32.53 | 423537.9164 | 1762672.9728 |
| PRC | 32+21.55 | 423609.3073 | 1762726.0443 |
| PT | 33+37.52 | 423700.9282 | 1762796.9341 |
| PC | 35+02.08 | 423822.2966 | 1762908.0566 |
| PT | 37+33.16 | 423995.6958 | 1763060.7847 |
| PC | 43+51.10 | 424467.1879 | 1763460.2134 |
| PT | 46+32.85 | 424678.7554 | 1763646.2530 |
| PC | 48+24.08 | 424820.0113 | 1763775.1604 |
| PT | 50+95.48 | 425023.6871 | 1763954.5054 |
| POT | 54+78.12 | 425315.3093 | 1764202.2351 |

RPA1

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| PC | 10+00.00 | 423602.1597 | 1762780.5873 |
| PRC | 10+92.78 | 423517.8330 | 1762815.6054 |
| PT | 12+65.84 | 423369.2468 | 1762902.6267 |
| PC | 12+74.89 | 423360.7677 | 1762905.7869 |
| PT | 14+18.27 | 423223.9228 | 1762948.3588 |

RPA2

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| PC | 10+00.00 | 423683.2599 | 1762828.2116 |
| PCC | 10+73.18 | 423615.5552 | 1762805.3526 |
| PRC | 11+56.61 | 423536.9604 | 1762830.4508 |
| PT | 13+38.95 | 423374.0084 | 1762911.5240 |
| PC | 13+49.35 | 423364.2600 | 1762915.1572 |
| PT | 14+93.84 | 423226.3625 | 1762958.0566 |

RAB1

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| PC | 10+00.00 | 422938.4892 | 1762165.1628 |
| PCC | 11+32.75 | 422938.7533 | 1762281.2492 |
| PCC | 12+62.60 | 423051.0938 | 1762260.5568 |
| PCC | 13+79.45 | 423024.4086 | 1762158.6089 |
| PT | 14+71.24 | 422938.4892 | 1762165.1628 |

RPB

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| POT | 10+00.00 | 423688.7534 | 1762685.3234 |
| POT | 14+09.05 | 423932.1166 | 1762356.5470 |

RAB2

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| PC | 10+00.00 | 423546.8642 | 1762680.4260 |
| PCC | 11+30.13 | 423602.1597 | 1762780.5873 |
| PCC | 11+95.94 | 423664.0523 | 1762765.4483 |
| PCC | 12+84.91 | 423688.7534 | 1762685.3234 |
| PT | 14+71.24 | 423546.8642 | 1762680.4260 |

RPC

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| PC | 10+00.00 | 423024.4086 | 1762158.6089 |
| PCC | 10+59.34 | 423072.4055 | 1762125.4050 |
| PRC | 11+31.08 | 423109.6814 | 1762064.2587 |
| PCC | 12+20.61 | 423158.6394 | 1761989.6343 |
| CS | 13+70.66 | 423279.0904 | 1761902.3312 |
| ST | 16+00.65 | 423504.6441 | 1761864.2181 |
| POT | 16+97.02 | 423600.8849 | 1761859.2737 |

RAB2_ALT

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| PC | 9+50.00 | 423578.3483 | 1762642.7761 |
| PCC | 10+00.00 | 423546.8642 | 1762680.4260 |
| PCC | 11+30.13 | 423602.1597 | 1762780.5873 |
| PCC | 11+95.94 | 423664.0523 | 1762765.4483 |
| PCC | 12+84.91 | 423688.7534 | 1762685.3234 |
| PCC | 14+71.24 | 423546.8642 | 1762680.4260 |
| PT | 15+21.24 | 423545.4029 | 1762729.4835 |

RPD

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| POT | 10+00.00 | 422938.7533 | 1762281.2492 |
| PC | 11+87.90 | 422855.0542 | 1762449.4788 |
| PT | 15+12.49 | 422676.4945 | 1762719.5649 |

SPURC

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| PC | 10+00.00 | 422898.7357 | 1762107.8944 |
| PT | 11+86.88 | 423066.8138 | 1762095.1223 |
| POT | 12+20.98 | 423089.2007 | 1762069.4045 |

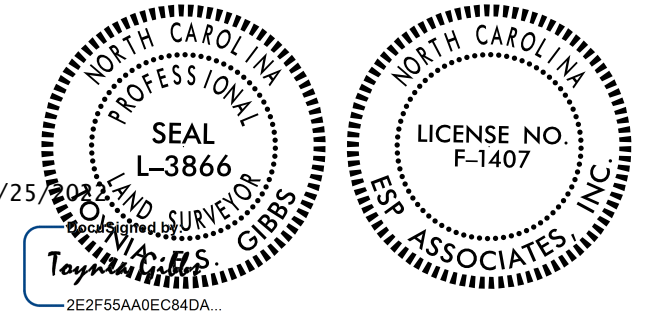
REVISIONS

6/2/2022

NOTES:

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

PERMANENT EASEMENT CONTROL SHEET

| | |
|--|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I5979 | 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 | |

PERMANENT EASEMENT MARKER IRON PIN AND CAP-E

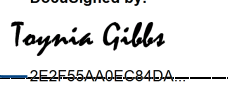
| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|---------|-------------|--------------|
| L | 34+15.00 | -34.25 | 423781.2043 | 1762823.9893 |
| L | 34+15.00 | -110.00 | 423832.3541 | 1762768.1232 |
| L | 34+37.00 | -34.88 | 423797.8499 | 1762838.3875 |
| L | 34+37.00 | -110.00 | 423848.5803 | 1762782.9796 |
| L | 39+12.00 | -49.69 | 424164.2734 | 1763138.4663 |
| L | 39+12.00 | -82.00 | 424185.1550 | 1763113.8173 |
| L | 39+52.00 | -49.63 | 424194.7508 | 1763164.3726 |
| L | 39+52.00 | -79.00 | 424213.7362 | 1763141.9619 |
| L | 41+31.00 | 49.21 | 424267.4411 | 1763355.4908 |
| L | 41+31.00 | 77.00 | 424249.4779 | 1763376.6948 |
| L | 42+60.00 | 102.00 | 424331.7463 | 1763479.1542 |
| L | 42+70.00 | 49.21 | 424373.4992 | 1763445.3389 |
| L | 43+98.00 | -49.21 | 424534.9185 | 1763453.2870 |
| L | 43+98.00 | -65.00 | 424545.1987 | 1763441.3020 |
| L | 44+18.00 | -49.21 | 424550.1796 | 1763466.4121 |
| L | 44+18.00 | -65.00 | 424560.4912 | 1763454.4541 |
| L | 45+19.00 | -49.21 | 424626.7204 | 1763533.3016 |
| L | 45+19.00 | -79.00 | 424646.4712 | 1763511.0002 |
| L | 45+40.00 | -79.00 | 424662.3354 | 1763525.0890 |
| L | 46+15.00 | 49.21 | 424632.4731 | 1763670.6657 |
| L | 46+15.00 | 78.00 | 424613.1160 | 1763691.9769 |
| L | 46+47.00 | 88.00 | 424629.8914 | 1763720.7960 |
| L | 46+98.00 | -182.00 | 424849.5653 | 1763555.7372 |
| L | 47+06.00 | 92.00 | 424670.7757 | 1763763.5215 |
| L | 47+54.00 | -212.00 | 424911.1525 | 1763571.3262 |
| L | 47+69.00 | 85.35 | 424721.7962 | 1763801.0739 |
| L | 47+74.00 | -202.00 | 424919.1848 | 1763592.1945 |
| L | 48+09.00 | -128.00 | 424895.1555 | 1763670.4479 |

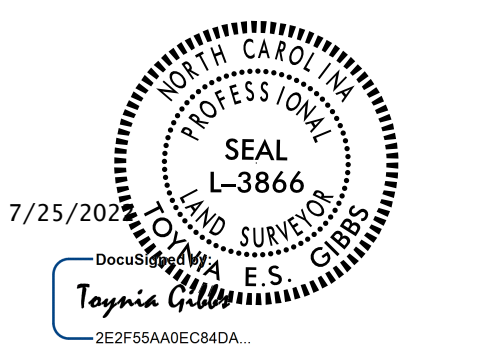
REBAR NOT SET - COMPACTED GRAVEL - 600 NAIL SET

POINT NOT SET - FELL IN TREE ROOT
POINT NOT SET - FELL IN TREE

I, Toynia E.S. Gibbs, PLS, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from June 2022 to July 2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature and seal this day 7/25/2022

DocuSigned by:

Professional Land Surveyor L-3866



PERMANENT EASEMENT MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| RPB | 12+35.00 | 68.00 | 423883.2228 | 1762536.8961 |
| RPB | 12+35.00 | 82.00 | 423894.4755 | 1762545.2254 |
| RPB | 12+56.00 | 68.00 | 423895.7168 | 1762520.0171 |
| RPB | 12+56.00 | 82.00 | 423906.9695 | 1762528.3464 |

POINT NOT SET - FELL IN TREE ROOT

PERMANENT EASEMENT MARKER IRON PIN AND CAP-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|---------|-------------|--------------|
| RPC | 11+91.00 | -95.88 | 423062.5638 | 1761956.5900 |
| RPC | 11+91.00 | -119.00 | 423043.8313 | 1761943.0305 |
| RPC | 12+12.00 | -94.68 | 423080.0655 | 1761935.9192 |
| RPC | 12+12.00 | -118.00 | 423062.0811 | 1761921.0703 |

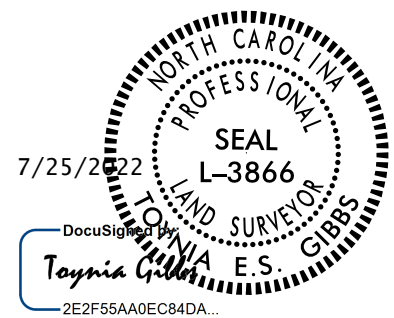
NOTES:

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 JUNE 2022 TO JULY 2022 .

I, Toyia E.S. Gibbs, PLS, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from June 2022 to July 2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature and seal this day 7/25/2022

DocuSigned by: Toyia Gibbs Professional Land Surveyor L-3866



PROJECT REFERENCE NO. I-5979 SHEET NO. RW-04 Location and Surveys ESP ASSOCIATES, INC 2200 GATEWAY CENTRE BLVD., SUITE 216 MORRISVILLE, NC 27560 LICENSE NO. F-1407 PROJECT SURVEYOR SEAL L-3866 TOYIA E.S. GIBBS ASSOCIATES, INC DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

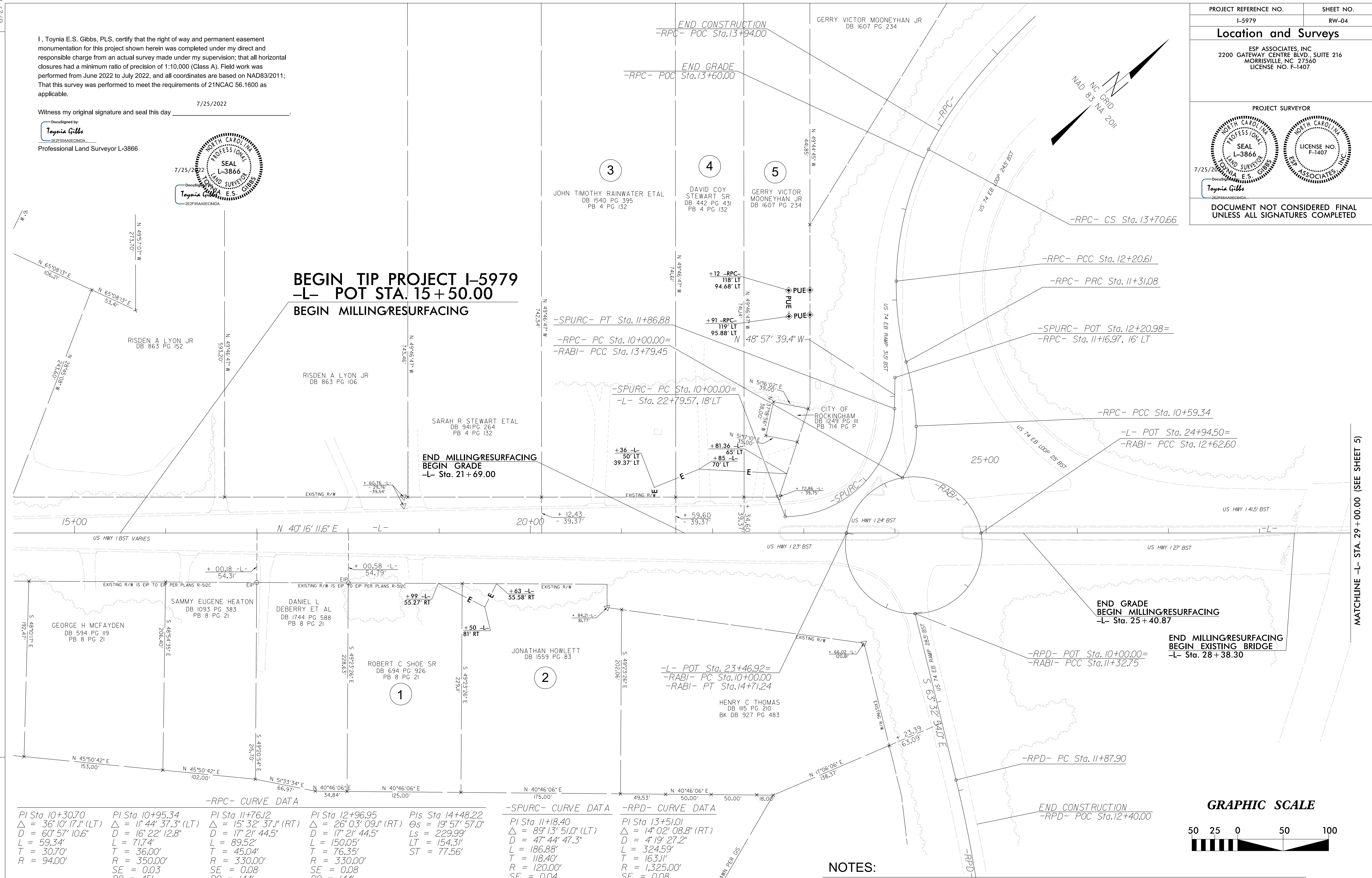
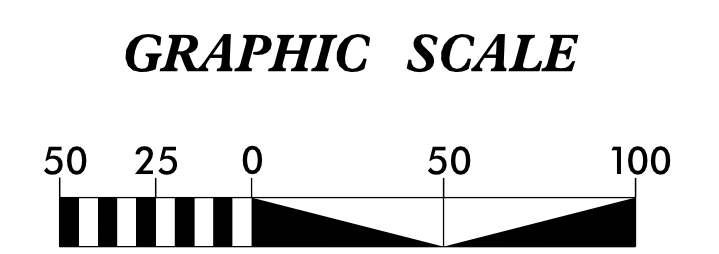


Table with 5 columns of curve data. Columns include -RPC- CURVE DATA, -SPURC- CURVE DATA, -RPD- CURVE DATA, and -RABI- CURVE DATA. Each column lists PI Sta, Δ, D, L, T, R, SE, and RO values for various stationing points.



- 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 JUNE 2022 TO JULY 2022.

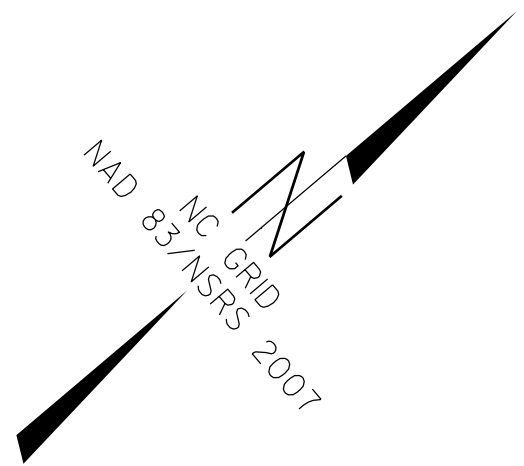
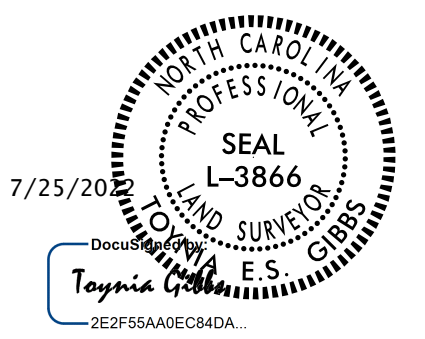
MATCHLINE -L- STA. 29+00.00 (SEE SHEET 5)

I, Toyinia E.S. Gibbs, PLS, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from June 2022 to July 2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature and seal this day 7/25/2022

DocuSigned by: Toyinia Gibbs 2E2F55AA8E6C84DA

Professional Land Surveyor L-3866



REVISIONS

-L- CURVE DATA

| | | | |
|---|--|---|--|
| PI Sta 31+77.10 Δ = 7° 17' 09.9" (LT) D = 8° 11' 06.4" L = 89.02' T = 44.57' R = 700.00' | PI Sta 32+79.67 Δ = 9° 29' 34.0" (RT) D = 8° 11' 06.4" L = 115.98' T = 58.12' R = 700.00' | PI Sta 36+17.63 Δ = 2° 12' 24.1" (LT) D = 0° 57' 17.7" L = 231.08' T = 115.56' R = 6,000.00' | PI Sta 10+47.93 Δ = 35° 26' 22.4" (LT) D = 38° 11' 49.9" L = 92.78' T = 47.93' R = 150.00' SE = 0.04 RO = 60' |
|---|--|---|--|

-RPAI- CURVE DATA

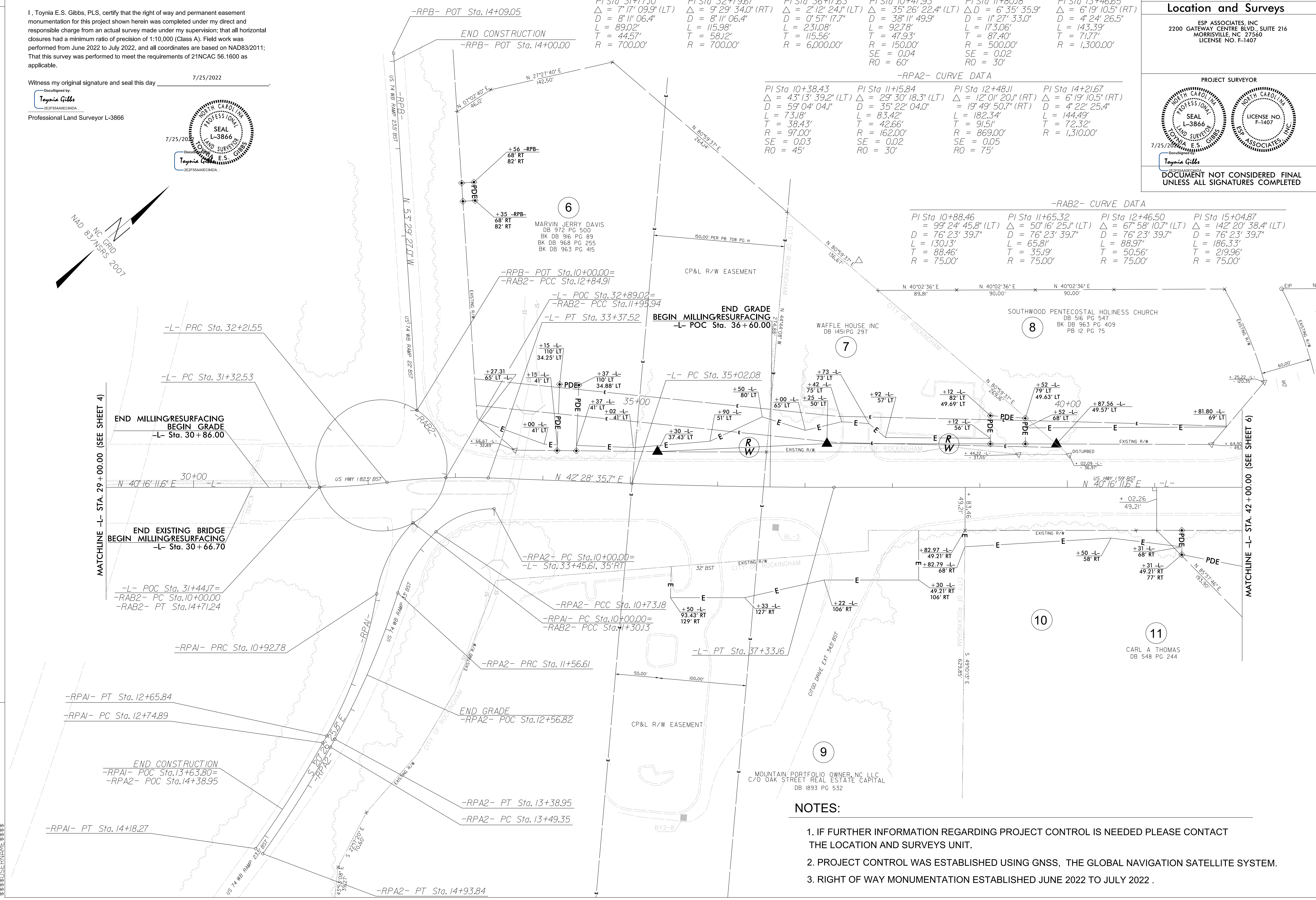
| | |
|---|--|
| PI Sta 11+80.18 Δ = 6° 35' 35.9" D = 11° 27' 33.0" L = 173.06' T = 87.40' R = 500.00' SE = 0.02 RO = 30' | PI Sta 13+46.65 Δ = 6° 19' 10.5" (RT) D = 4° 24' 26.5" L = 143.39' T = 71.77' R = 1,300.00' |
|---|--|

-RPA2- CURVE DATA

| | | | |
|---|--|--|--|
| PI Sta 10+38.43 Δ = 43° 13' 39.2" (LT) D = 59° 04' 04.1" L = 73.18' T = 38.43' R = 97.00' SE = 0.03 RO = 45' | PI Sta 11+15.84 Δ = 29° 30' 18.3" (LT) D = 35° 22' 04.0" L = 83.42' T = 42.66' R = 162.00' SE = 0.02 RO = 30' | PI Sta 12+48.11 Δ = 12° 01' 20.1" (RT) D = 19° 49' 50.7" (RT) L = 182.34' T = 91.51' R = 869.00' SE = 0.05 RO = 75' | PI Sta 14+21.67 Δ = 6° 19' 10.5" (RT) D = 4° 22' 25.4" L = 144.49' T = 72.32' R = 1,310.00' |
|---|--|--|--|

-RAB2- CURVE DATA

| | | | |
|---|--|--|---|
| PI Sta 10+88.46 Δ = 99° 24' 45.8" (LT) D = 76° 23' 39.7" L = 130.13' T = 88.46' R = 75.00' | PI Sta 11+65.32 Δ = 50° 16' 25.1" (LT) D = 76° 23' 39.7" L = 65.81' T = 35.19' R = 75.00' | PI Sta 12+46.50 Δ = 67° 58' 10.7" (LT) D = 76° 23' 39.7" L = 88.97' T = 50.56' R = 75.00' | PI Sta 15+04.87 Δ = 142° 20' 38.4" (LT) D = 76° 23' 39.7" L = 186.33' T = 219.96' R = 75.00' |
|---|--|--|---|



MATCHLINE -L- STA. 29+00.00 (SEE SHEET 4)

MATCHLINE -L- STA. 42+00.00 (SEE SHEET 6)

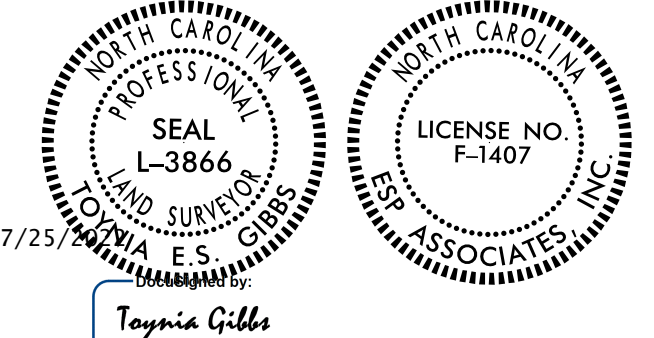
NOTES:

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 JUNE 2022 TO JULY 2022 .

| | |
|--|--------------------|
| PROJECT REFERENCE NO. I-5979 | SHEET NO. RW-05 |
| Location and Surveys | |
| ESP ASSOCIATES, INC 2200 GATEWAY CENTRE BLVD., SUITE 216 MORRISVILLE, NC 27560 LICENSE NO. F-1407 | |
| PROJECT SURVEYOR | |
| | |
| 7/25/2024 DocuSigned by: Toyinia Gibbs 2E2F55AA8E6C84DA DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |


-L- CURVE DATA

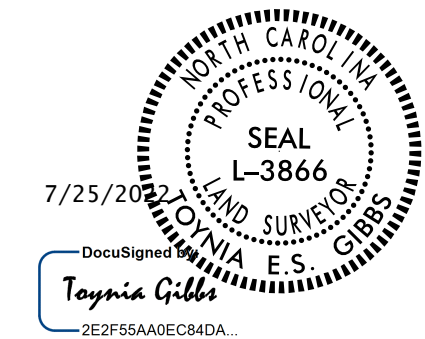
| | |
|------------------------------------|------------------------------------|
| PI Sta. 44+91.99 | PI Sta. 49+59.79 |
| $\Delta = 2^{\circ}06'47.1''$ (RT) | $\Delta = 2^{\circ}02'07.7''$ (LT) |
| $D = 0^{\circ}45'00.0''$ | $D = 0^{\circ}45'00.0''$ |
| $L = 281.75'$ | $L = 271.40'$ |
| $T = 140.89'$ | $T = 135.71'$ |
| $R = 7,639.44'$ | $R = 7,639.44'$ |

| | |
|--|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5979 | RW-06 |
| 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 | |

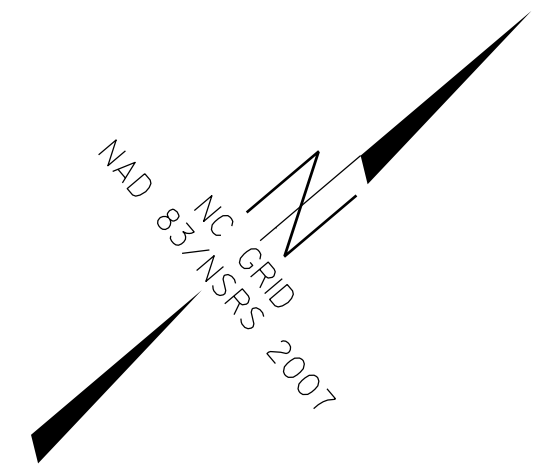
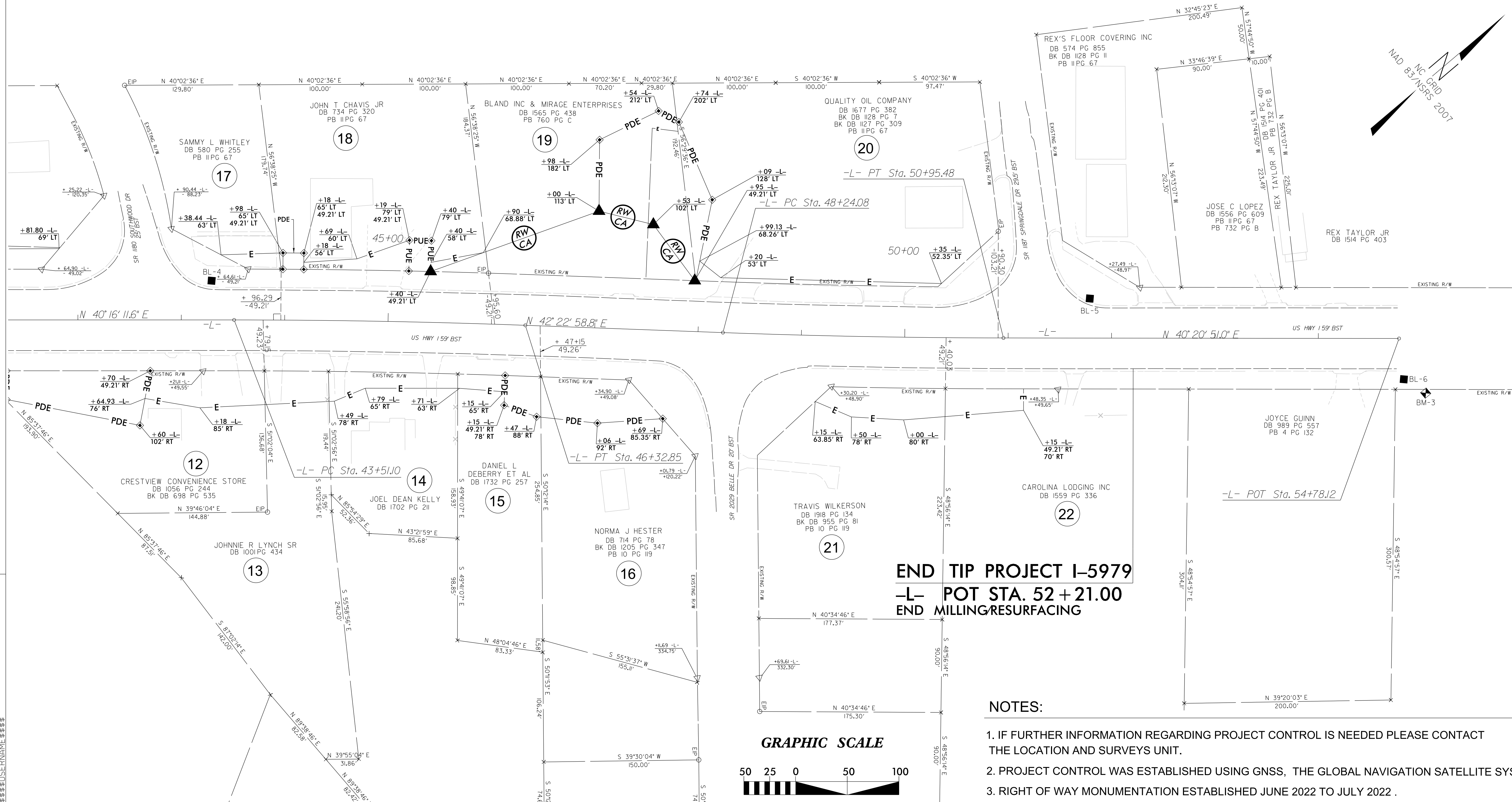
I, Toynia E.S. Gibbs, PLS, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from June 2022 to July 2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

Witness my original signature and seal this day 7/25/2023

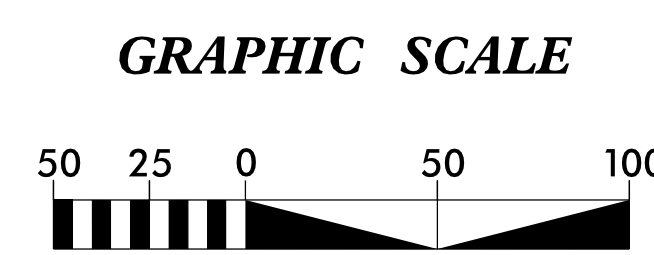
DocuSigned by:

 Toynia Gibbs
 2E2F55AA0EC64DA
 Professional Land Surveyor L-3866



REVISIONS



END TIP PROJECT I-5979
-L- POT STA. 52+21.00
END MILLING/RESURFACING



- 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 JUNE 2022 TO JULY 2022 .