

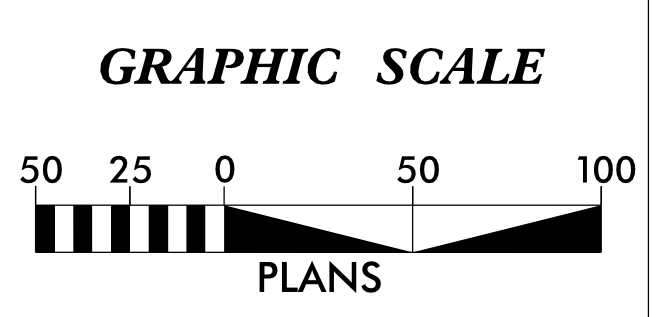
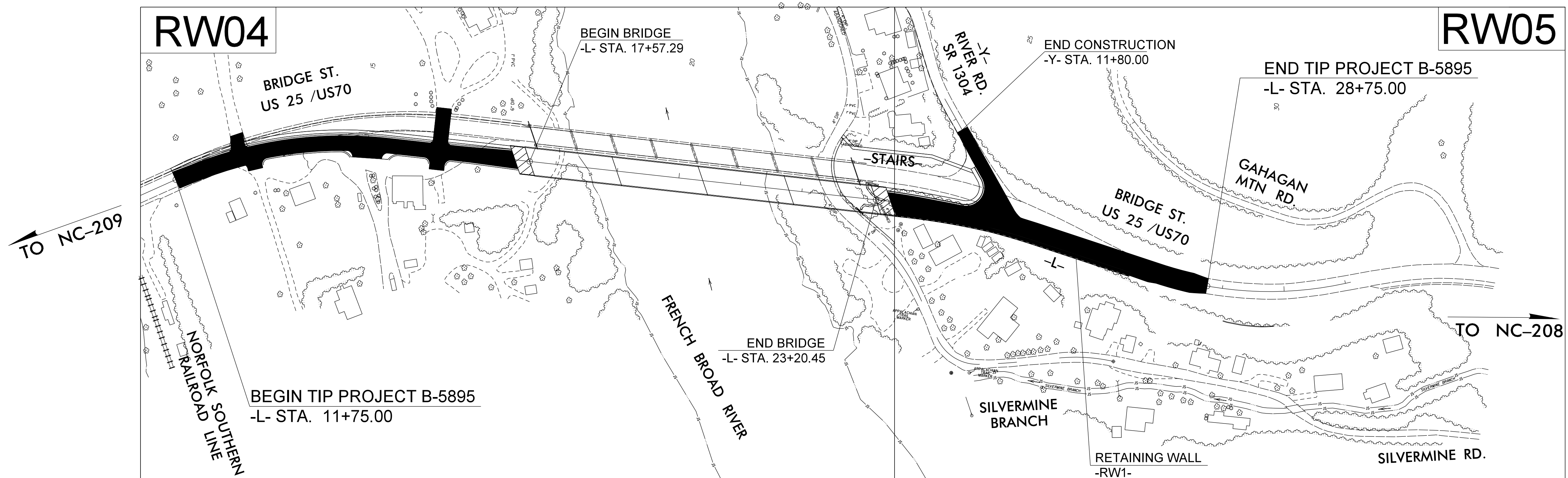
09/06/99

TIP PROJECT: B-5895

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-------|-----------------------------|-----------|--------------|
| N.C. | B-5895 | RW01 | 08 |

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

MADISON COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B-5895-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 801928.5850(ft) EASTING: 867024.9040(ft) ELEVATION: 1,332.72'(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99987636 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5895-2" TO -L- STATION 11+75.00 IS N 82-18'33.0" E 86.23'(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:



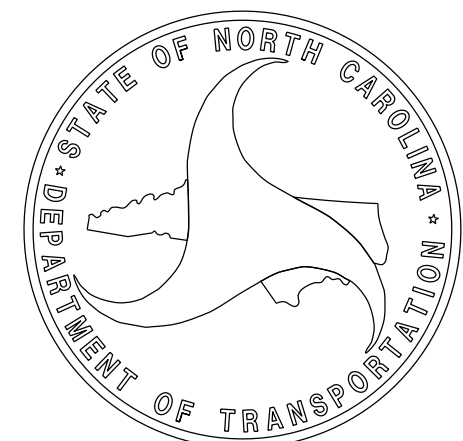
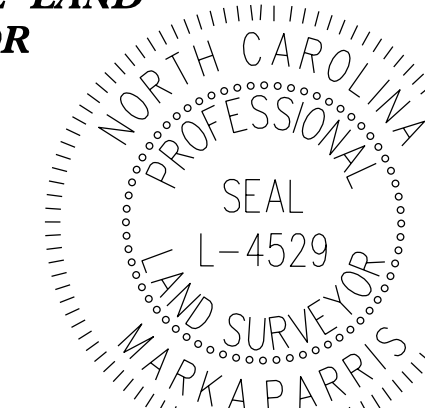
1318-F Patton Avenue
 Asheville, NC 28806
 Firm License # F-1088

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
 01/18/2022

LETTING DATE:
 01/17/2023

PROFESSIONAL LAND SURVEYOR



DocuSigned by:
 M&M
 F1E70C8B5C72A8A.
 SIGNATURE:

Date:

\$\$\$\$\$ SYSTEM TIME\$\$\$\$\$
 \$\$\$ DDMMYY \$\$\$
 \$\$\$ USERNAME \$\$\$

SURVEY CONTROL SHEET

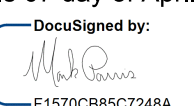
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION


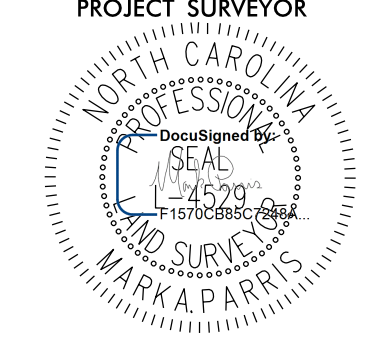
I, Mark A. Parris, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA
Type of GPS field procedure: (VRS)
Dates of survey: 03/17/2016
Datum/Epoch: NAD83/NA2011
Published/Fixed-control use: N/A
Localized around: B-5895 - 2
Northing: 801928.5850'
Easting: 867024.9040'
Combined grid factor: 0.99987636
Geoid model: 12NC
Units: US SURVEY FEET

I also certify that the Baseline Control for this project 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 08/08/2016 to 08/18/2016, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

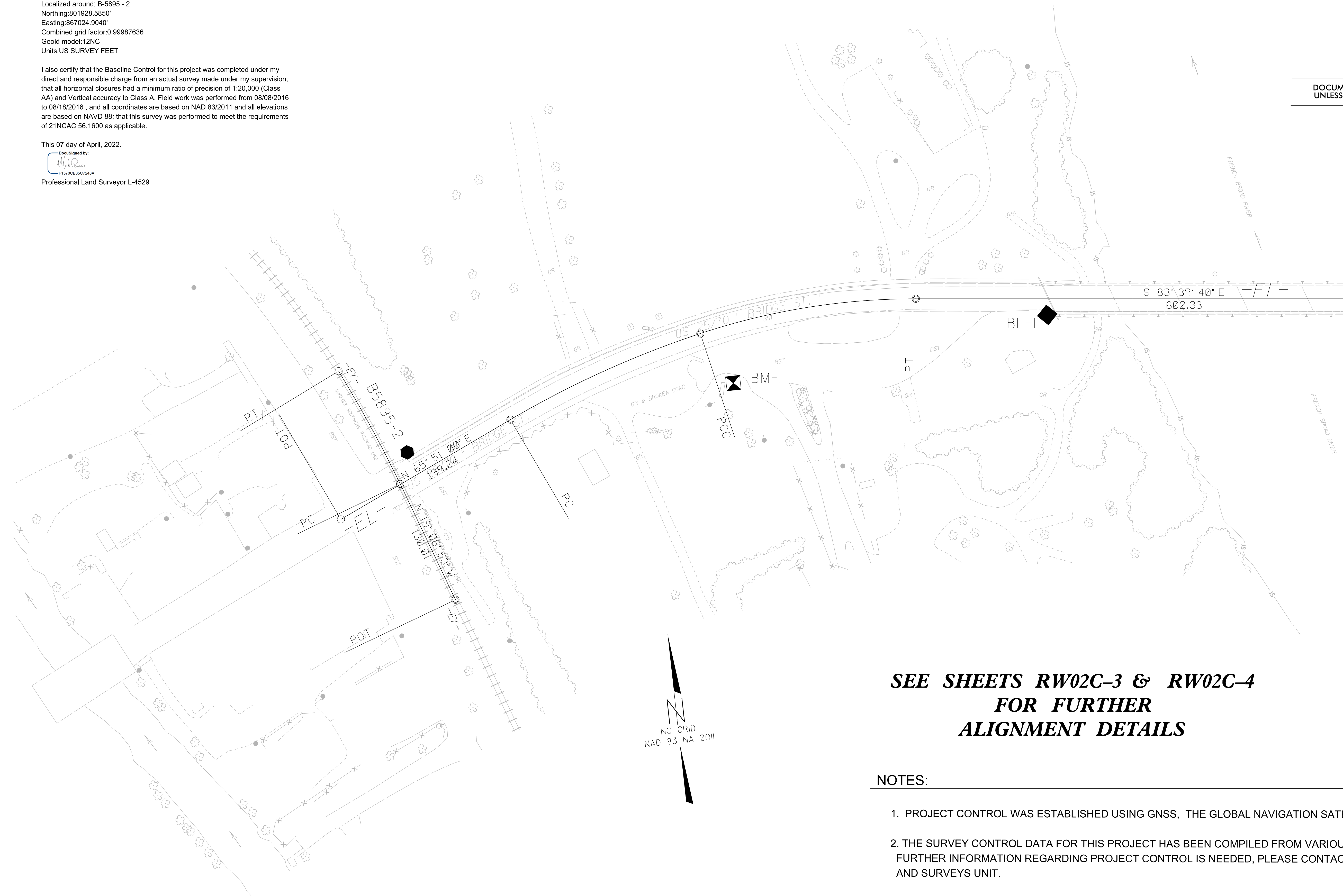
This 07 day of April, 2022.

DocuSigned by:

Professional Land Surveyor L-4529

| | |
|---|----------------------|
| PROJECT REFERENCE NO. B-5895 | SHEET NO. RW02C-1 |
| Location and Surveys | |
|  | |
| PROJECT SURVEYOR  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

REVISIONS

MATCHLINE SHEET RE02C-2



SEE SHEETS RW02C-3 & RW02C-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.

07-APR-2022 14:36
V:\NC\Survey\032212-07_B-5895 ROW Staking\Survey\Data - Work\row\B5895_1s_RW02C-1.dgn
P:\shpman

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

I, Mark A. Parris, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

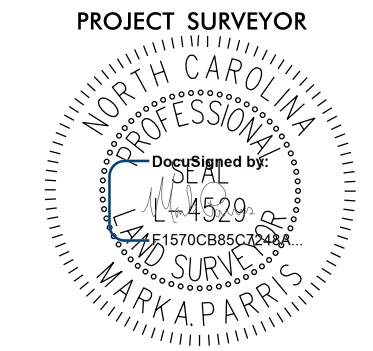
Class of survey: AA
Type of GPS field procedure: (VRS)
Dates of survey: 03/17/2016
Datum/Epoch: NAD83/NA2011
Published/Fixed-control use: N/A
Localized around: B-5895 - 2
Northing: 801928.5850'
Easting: 867024.9040'
Combined grid factor: 0.99987636
Geoid model: 12NC
Units: US SURVEY FEET

I also certify that the Baseline Control for this project 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 08/08/2016 to 08/18/2016, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

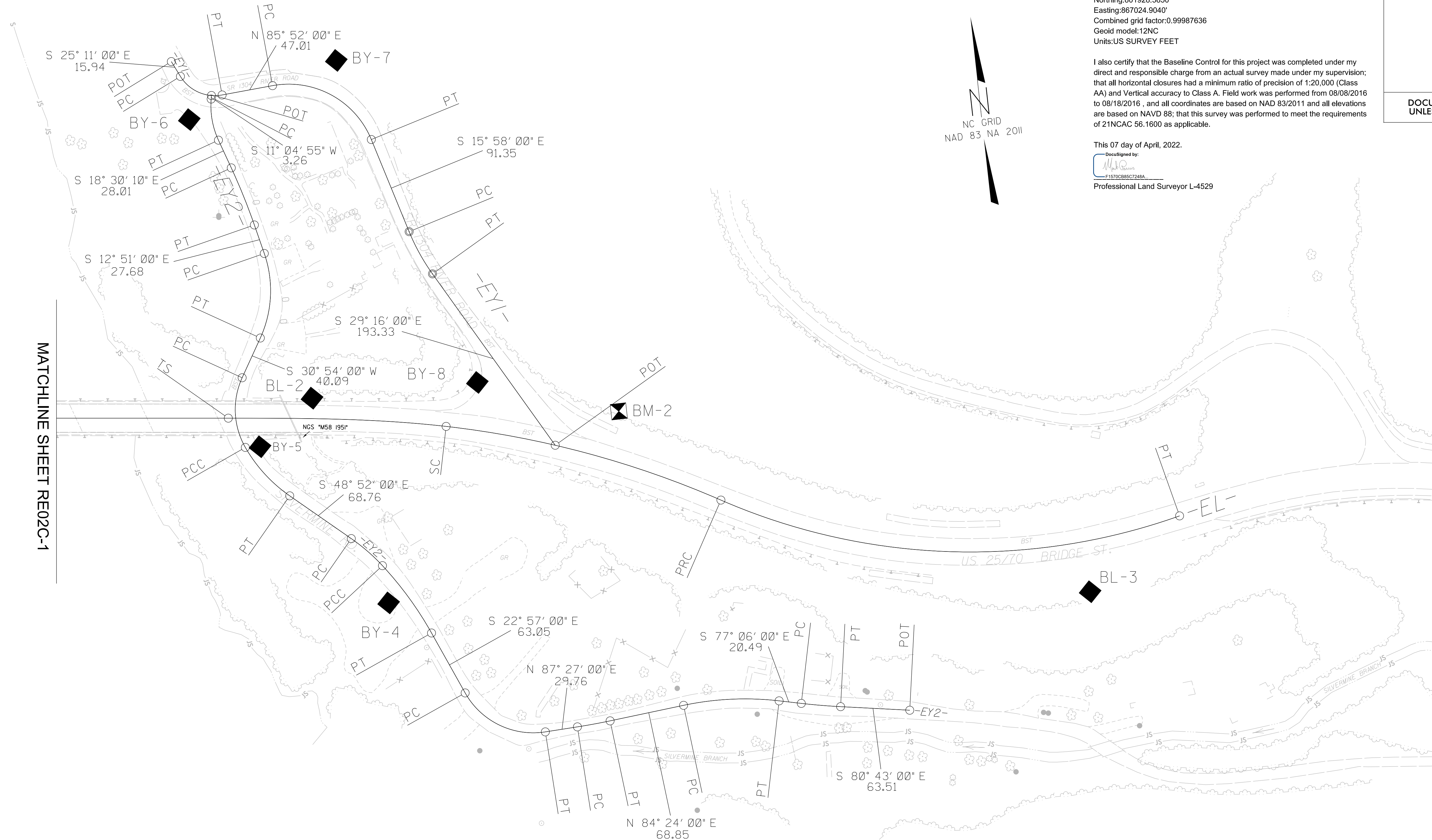
This 07 day of April, 2022.

DocuSigned by:
Professional Land Surveyor L-4529

Location and Surveys



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



SEE SHEETS RW02C-3 & RW02C-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


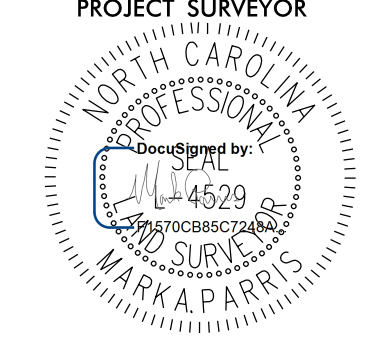
07-APR-2022 14:38
V:\NC\Survey\032212-07_B-5895 ROW_Staking\Survey\Data - Work\row\B5895_1s_RW02C-2.dgn
P:\shpman

REVISIONS

07-APR-2022 14:43
V:\NC\Survey\03212-07_B-5895 ROW Staking\Survey\Data - Work\row\B5895_Is_RW02C-3.dgn
P:\shpman

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| | |
|---|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| B-5895 | RW02C-3 |
| Location and Surveys | |
|  | |
| PROJECT SURVEYOR | |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

| BL | POINT | DESC. | NORTH | EAST | ELEVATION | BL STATION | OFFSET |
|------|-------|---------|-------------|-------------|-----------|------------|--------|
| GPS2 | | B5895-2 | 801928.5850 | 867024.9040 | 1332.72 | 5+00.00 | 0.00 |
| 1 | | BL-1 | 801995.4316 | 867684.6623 | 1333.17 | 11+63.14 | 0.00 |
| 2 | | BL-2 | 801969.6447 | 868231.0760 | 1343.52 | 17+10.16 | 0.00 |
| 3 | | BL-3 | 801714.4199 | 868920.6738 | 1383.09 | 24+45.47 | 0.00 |

| BY | POINT | DESC. | NORTH | EAST | ELEVATION | BY STATION | OFFSET |
|----|-------|-------|-------------|-------------|-----------|------------|--------|
| 4 | | BY-4 | 801775.2628 | 868280.1555 | 1316.18 | 5+00.00 | 0.00 |
| 5 | | BY-5 | 801930.6311 | 868178.8087 | 1317.72 | 6+85.50 | 0.00 |
| 6 | | BY-6 | 802236.0222 | 868147.3941 | 1327.51 | 9+92.50 | 0.00 |
| 7 | | BY-7 | 802275.0646 | 868287.3830 | 1331.47 | 11+37.83 | 0.00 |
| 8 | | BY-8 | 801967.2506 | 868383.3365 | 1349.48 | 14+60.26 | 0.00 |
| Y2 | | BL-2 | 801969.6447 | 868231.0760 | 1343.52 | 16+12.54 | 0.00 |

```

.....
BM1      ELEVATION = 1329.76
N 801962      E 867361
BL STATION 8+38.00 1 RIGHT
THE NE 1" BOLT ON HOTSPPRINGS CAMPGROUNDSIGN
.....
BM2      ELEVATION = 1363.17
N 801927      E 868509
BL STATION 19+86.00 56 LEFT
BENCHTIE IN 13' ASH
.....

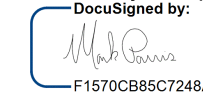
```

I, Mark A. Parris, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
 Type of GPS field procedure: (VRS)
 Dates of survey: 03/17/2016
 Datum/Epoch: NAD83/NA2011
 Published/Fixed-control use: N/A
 Localized around: B-5895 - 2
 Northing: 801928.5850'
 Easting: 867024.9040'
 Combined grid factor: 0.99987636
 Geoid model: 12NC
 Units: US SURVEY FEET

I also certify that the Baseline Control for this project 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 08/08/2016 to 08/18/2016, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 07 day of April, 2022.

Designed by:



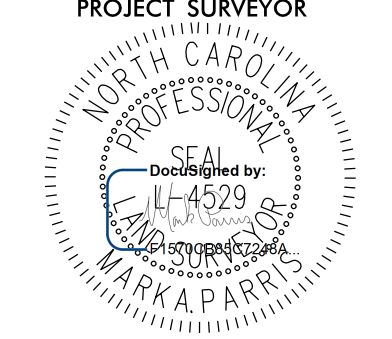
Professional Land Surveyor L-4529

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. |
| B-5895 | RW02C-4 |
| Location and Surveys | |
|  | |
| PROJECT SURVEYOR | |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

| EL POINT | N | E | BEARING | DIST | DELTA | D | L | T | R | DELTA S | Ls | LT | ST |
|----------|------------|------------|-----------------|--------|-----------------|-------------|--------|--------|--------|-----------------|--------|--------|-------|
| POT | 801868.519 | 866950.670 | | | | | | | | | | | |
| LINE | | | N 65°51'00.0" E | 199.24 | | | | | | | | | |
| PC | 801950.032 | 867132.468 | | | | | | | | | | | |
| CURVE | | | N 71°56'05.4" E | 211.25 | 12°10'10.7"(RT) | 05°45'00.0" | 211.65 | 106.22 | 996.45 | | | | |
| PCC | 802015.539 | 867333.303 | | | | | | | | | | | |
| CURVE | | | N 87°10'45.4" E | 221.11 | 18°19'09.3"(RT) | 08°15'00.0" | 222.05 | 111.98 | 694.49 | | | | |
| PT | 802026.420 | 867554.142 | | | | | | | | | | | |
| LINE | | | S 83°39'40.0" E | 602.33 | | | | | | | | | |
| TS | 801959.918 | 868152.791 | | | | | | | | | | | |
| SPIRAL | | | S 81°29'40.9" E | 199.89 | | | | | | 06°30'00.0"(RT) | 200.00 | 133.42 | 66.75 |
| CURVE | 801930.354 | 868350.478 | | | | | | | | | | | |
| CS | 801835.370 | 868593.480 | | | | | | | | | | | |
| CURVE | | | S 68°39'01.5" E | 260.91 | 17°01'17.0"(RT) | 06°30'00.0" | 261.87 | 131.91 | 881.47 | | | | |
| SC | 801835.370 | 868593.480 | | | | | | | | | | | |
| SPIRAL | | | N 90°00'00.0" E | 0.00 | | | | | | 00°00'00.0"(RT) | 0.00 | 0.00 | 0.00 |
| CURVE | 801774.529 | 869009.950 | | | | | | | | | | | |
| PT | | | S 81°41'19.4" E | 420.89 | 43°05'52.8"(LT) | 10°00'00.0" | 430.98 | 226.26 | 572.96 | | | | |

| EY POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|----------|------------|------------|-----------------|--------|-----------------|-------------|--------|-------|---------|
| POT | 801774.764 | 867057.014 | | | | | | | |
| LINE | | | N 19°08'52.6" W | 130.01 | | | | | |
| PC | 801897.584 | 867014.368 | | | | | | | |
| CURVE | | | N 22°18'46.7" W | 130.29 | 05°24'55.8"(LT) | 04°09'17.6" | 130.34 | 65.22 | 1379.00 |
| PT | 802018.120 | 866964.901 | | | | | | | |

| EY1 POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|-----------|------------|------------|-----------------|--------|-----------------|--------------|--------|-------|--------|
| POT | 802290.743 | 868136.975 | | | | | | | |
| LINE | | | S 25°11'00.0" E | 15.94 | | | | | |
| PC | 802276.313 | 868143.759 | | | | | | | |
| CURVE | | | S 59°39'30.0" E | 41.85 | 68°57'00.0"(LT) | 155°00'00.0" | 44.48 | 25.38 | 36.97 |
| PT | 802255.173 | 868179.875 | | | | | | | |
| LINE | | | N 85°52'00.0" E | 47.01 | | | | | |
| PC | 802258.562 | 868226.766 | | | | | | | |
| CURVE | | | S 55°03'00.0" E | 103.21 | 78°10'00.0"(RT) | 70°00'00.0" | 111.67 | 66.48 | 81.85 |
| PT | 802199.439 | 868311.359 | | | | | | | |
| LINE | | | S 15°58'00.0" E | 91.35 | | | | | |
| PC | 802111.615 | 868336.487 | | | | | | | |
| CURVE | | | S 22°37'00.0" E | 44.23 | 13°18'00.0"(LT) | 30°00'00.0" | 44.33 | 22.27 | 190.99 |
| PT | 802070.783 | 868353.498 | | | | | | | |
| LINE | | | S 29°16'00.0" E | 193.33 | | | | | |
| POT | 801902.127 | 868448.014 | | | | | | | |

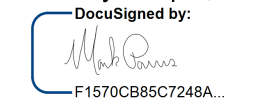
| EY2 POINT | N | E | BEARING | DIST | DELTA | D | L | T | R |
|-----------|------------|------------|-----------------|-------|-----------------|-------------|-------|-------|--------|
| POT | 802255.767 | 868170.106 | | | | | | | |
| LINE | | | S 11°04'55.0" W | 3.26 | | | | | |
| PC | 802252.563 | 868169.478 | | | | | | | |
| CURVE | | | S 03°42'46.7" E | 38.30 | 29°35'23.4"(LT) | 76°23'39.7" | 38.73 | 19.81 | 75.00 |
| PT | 802214.339 | 868171.959 | | | | | | | |
| LINE | | | S 18°30'09.8" E | 28.01 | | | | | |
| PC | 802187.779 | 868180.847 | | | | | | | |
| CURVE | | | S 15°40'30.0" E | 56.48 | 05°39'00.0"(RT) | 10°00'00.0" | 56.50 | 28.27 | 572.96 |
| PT | 802133.402 | 868196.106 | | | | | | | |
| LINE | | | S 12°51'00.0" E | 27.68 | | | | | |
| PC | 802106.418 | 868202.261 | | | | | | | |
| CURVE | | | S 09°01'30.0" W | 77.63 | 43°45'00.0"(RT) | 55°00'00.0" | 79.55 | 41.82 | 104.17 |
| PT | 802029.752 | 868190.084 | | | | | | | |
| LINE | | | S 30°54'00.0" W | 40.09 | | | | | |
| PC | 801995.354 | 868169.498 | | | | | | | |
| CURVE | | | S 03°42'59.0" W | 63.96 | 54°22'02.0"(LT) | 81°51'04.0" | 66.42 | 35.95 | 70.00 |
| PCC | 801931.530 | 868165.352 | | | | | | | |
| CURVE | | | S 36°10'01.0" E | 60.24 | 25°23'58.0"(LT) | 41°49'18.3" | 60.73 | 30.87 | 137.00 |
| PT | 801882.901 | 868200.900 | | | | | | | |
| LINE | | | S 48°52'00.0" E | 68.76 | | | | | |
| PC | 801837.668 | 868252.692 | | | | | | | |
| CURVE | | | S 42°42'18.3" E | 37.84 | 12°19'23.3"(RT) | 32°30'00.0" | 37.92 | 19.03 | 176.29 |
| PCC | 801809.857 | 868278.359 | | | | | | | |
| CURVE | | | S 29°44'48.3" E | 76.40 | 13°35'36.7"(RT) | 17°45'00.0" | 76.58 | 38.47 | 322.79 |
| PT | 801743.522 | 868316.268 | | | | | | | |
| LINE | | | S 22°57'00.0" E | 63.05 | | | | | |
| PC | 801685.464 | 868340.852 | | | | | | | |
| CURVE | | | S 57°45'00.0" E | 81.75 | 69°36'00.0"(LT) | 80°00'00.0" | 87.00 | 49.78 | 71.62 |
| PT | 801641.841 | 868409.989 | | | | | | | |
| LINE | | | N 87°27'00.0" E | 29.76 | | | | | |
| PC | 801643.165 | 868439.720 | | | | | | | |
| CURVE | | | N 85°55'30.0" E | 30.50 | 03°03'00.0"(LT) | 10°00'00.0" | 30.50 | 15.25 | 572.96 |
| PT | 801645.332 | 868470.140 | | | | | | | |
| LINE | | | N 84°24'00.0" E | 68.85 | | | | | |
| PC | 801652.051 | 868538.666 | | | | | | | |
| CURVE | | | S 86°21'00.0" E | 87.71 | 18°30'00.0"(RT) | 21°00'00.0" | 88.10 | 44.43 | 272.84 |
| PT | 801646.468 | 868626.201 | | | | | | | |
| LINE | | | S 77°06'00.0" E | 20.49 | | | | | |
| PC | 801641.893 | 868646.173 | | | | | | | |
| CURVE | | | S 78°54'30.0" E | 36.16 | 03°37'00.0"(LT) | 10°00'00.0" | 36.17 | 18.09 | 572.96 |
| PT | 801634.937 | 868681.659 | | | | | | | |
| LINE | | | S 80°43'00.0" E | 63.51 | | | | | |
| POT | 801624.692 | 868744.333 | | | | | | | |

I, Mark A. Parris, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
 Type of GPS field procedure: (VRS)
 Dates of survey: 03/17/2016
 Datum/Epoch: NAD83/NA2011
 Published/Fixed-control use: N/A
 Localized around: B-5895 - 2
 Northing: 801928.5850'
 Easting: 867024.9040'
 Combined grid factor: 0.99987636
 Geoid model: 12NC
 Units: US SURVEY FEET

I also certify that the Baseline Control for this project 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 08/08/2016 to 08/18/2016, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 07 day of April, 2022.



DocuSigned by:

 F1570CB85C7248A...
 Professional Land Surveyor L-4529

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.

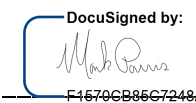
REVISIONS

PROPOSED ALIGNMENT CONTROL SHEET

| | |
|--|----------------------|
| PROJECT REFERENCE NO. 48088.21 | SHEET NO. RW02D-1 |
| Location and Surveys | |
|  V&M Vaughn & Melton 1318-F Patton Avenue Asheville, NC 28806 Firm License # F-1088 | |
| PROJECT SURVEYOR | |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

I, Mark A. Parris, 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.

This 05 day of April, 2022.


 Professional Land Surveyor L-4529

REVISIONS

L

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|-------------|
| POT | 10+00.00 | 801868.5188 | 866950.6697 |
| PC | 11+79.83 | 801942.0927 | 867114.7619 |
| PT | 15+25.55 | 801995.0268 | 867452.2946 |
| PC | 23+40.03 | 801905.3084 | 868261.8195 |
| PT | 25+90.87 | 801851.9155 | 868506.4438 |
| PC | 27+93.51 | 801788.2849 | 868698.8345 |
| PT | 31+08.90 | 801774.5294 | 869009.9503 |


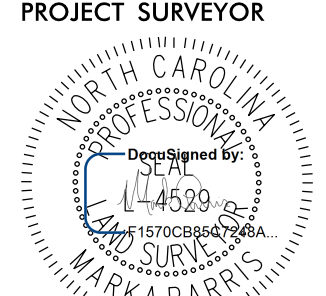
Y

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|-------------|
| POT | 10+00.00 | 801863.4147 | 868469.7090 |
| POT | 12+37.71 | 802070.7826 | 868353.4982 |

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.

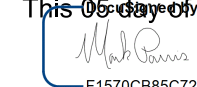
RIGHT OF WAY CONTROL SHEET

| | |
|--|----------------------|
| PROJECT REFERENCE NO. 48088.21 | SHEET NO. RW03E-1 |
| Location and Surveys | |
|  <p style="font-size: 8px; margin: 0;">1318-F Patton Avenue Asheville, NC 28806 Firm License # F-1088</p> | |
| PROJECT SURVEYOR | |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

ROW MARKER IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|---------|-------------|-------------|
| L | 11+73.14 | -50.00 | 801984.9806 | 867088.2036 |
| L | 11+97.85 | -50.27 | 801995.6554 | 867112.0116 |
| L | 13+44.41 | 40.00 | 801950.3630 | 867278.5118 |
| L | 14+01.43 | -67.80 | 802064.4504 | 867322.9240 |
| L | 15+25.55 | 40.00 | 801955.2702 | 867447.8884 |
| L | 16+23.33 | -92.42 | 802076.1147 | 867559.6621 |
| L | 22+62.34 | -102.94 | 802016.1753 | 868195.9441 |
| L | 22+79.53 | -92.25 | 802003.6646 | 868211.8476 |
| L | 23+40.03 | 40.00 | 801865.5518 | 868257.4133 |
| L | 23+50.00 | 40.00 | 801864.4506 | 868266.9861 |
| L | 23+50.00 | 25.00 | 801879.3450 | 868268.7622 |
| L | 25+73.10 | 25.00 | 801833.5215 | 868482.0326 |
| L | 26+77.10 | 48.22 | 801779.0562 | 868573.1734 |
| L | 26+88.72 | -60.61 | 801878.7317 | 868618.3740 |
| L | 27+93.51 | -50.00 | 801835.7559 | 868714.5349 |
| L | 27+95.88 | 40.01 | 801749.5128 | 868688.6788 |

I, Mark A. Parris, 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 03/30/2022 to 03/31/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This is the day of April, 2022.

 F1570CB85C7248A
 Professional Land Surveyor L-4529

REVISIONS

ROW MARKER PERMANENT EASEMENT -E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|---------|-------------|-------------|
| L | 16+90.00 | 40.00 | 801937.1554 | 867611.3373 |
| L | 16+90.00 | 95.00 | 801882.4901 | 867605.2788 |
| L | 17+40.00 | 84.00 | 801887.9155 | 867656.1863 |
| L | 18+89.23 | 79.21 | 801876.2391 | 867805.0380 |
| L | 18+73.57 | 44.69 | 801912.2742 | 867793.2749 |
| L | 18+71.09 | 40.00 | 801917.2079 | 867791.3229 |
| L | 21+24.55 | -108.00 | 802036.3873 | 868059.5462 |
| L | 21+35.71 | -92.29 | 802019.5435 | 868068.9083 |
| L | 22+38.27 | -108.00 | 802023.8606 | 868172.5737 |
| L | 17+25.00 | -105.00 | 802077.4176 | 867662.0967 |
| L | 18+00.00 | -105.00 | 802069.1561 | 867736.6402 |
| L | 18+00.00 | -92.38 | 802056.6090 | 867735.2497 |
| L | 18+91.00 | 85.76 | 801869.5340 | 867806.0736 |
| L | 24+88.00 | 283.00 | 801604.6866 | 868341.9787 |
| L | 25+20.00 | 260.00 | 801620.9325 | 868371.6097 |
| L | 23+15.00 | 95.00 | 801813.6438 | 868226.4754 |
| L | 22+22.43 | -108.00 | 802025.6050 | 868156.8340 |
| L | 22+40.00 | -160.00 | 802075.3536 | 868180.0211 |
| L | 22+02.00 | -230.00 | 802149.1135 | 868149.9631 |
| L | 22+30.00 | -237.75 | 802153.7316 | 868178.6464 |
| L | 25+15.00 | 244.00 | 801637.4131 | 868371.8779 |
| L | 21+75.49 | 60.00 | 801863.7980 | 868091.6740 |
| L | 21+72.01 | 55.25 | 801868.9042 | 868088.7323 |
| L | 21+67.26 | 54.22 | 801870.4471 | 868084.1258 |
| L | 21+59.31 | 40.00 | 801885.4587 | 868077.7941 |
| L | 22+83.18 | 60.00 | 801851.9357 | 868198.7063 |
| L | 17+25.00 | -92.40 | 802064.8896 | 867660.7082 |

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 03/30/2022 TO 03/31/2022 .

I, Mark A. Parris, 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 03/30/2022 to 03/31/2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 05 day of April, 2022.

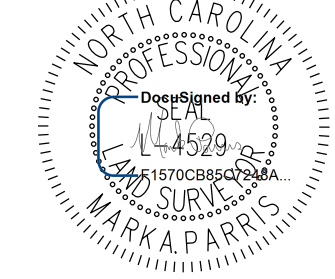
Professional Land Surveyor L-4529

Location and Surveys



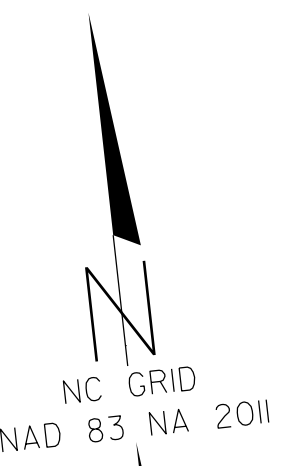
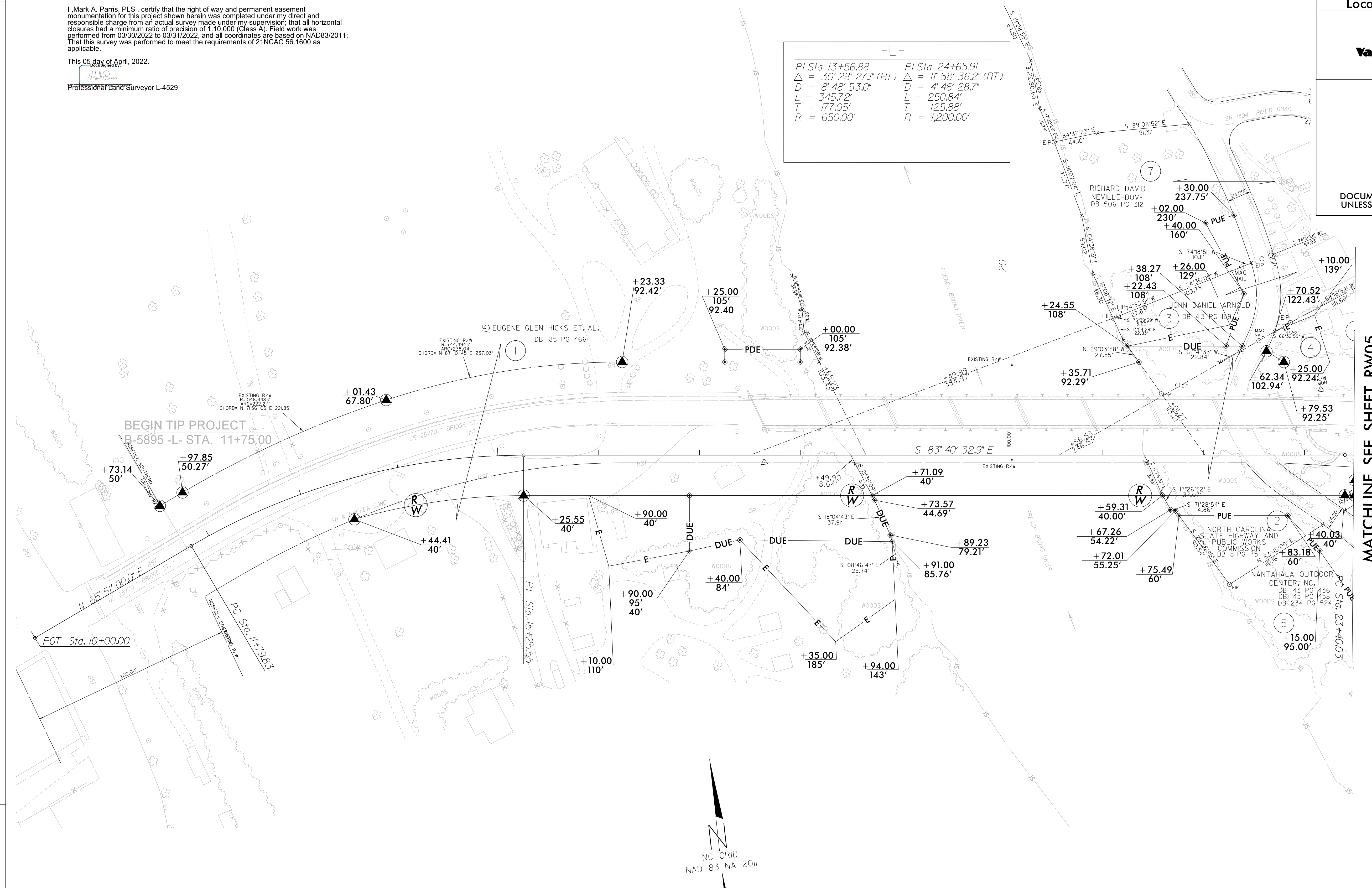
1318-F Patton Avenue Asheville, NC 28806 Firm License # F-1088

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-L-
PI Sta 13+56.88 Δ = 30° 28' 27.1" (RT) D = 8° 48' 53.0" L = 345.72' T = 177.05' R = 650.00'
PI Sta 24+65.91 Δ = 11° 58' 36.2" (RT) D = 4° 46' 28.7" L = 250.84' T = 125.88' R = 1,200.00'



MATCHLINE SEE SHEET RW05

REVISIONS

NOTES:

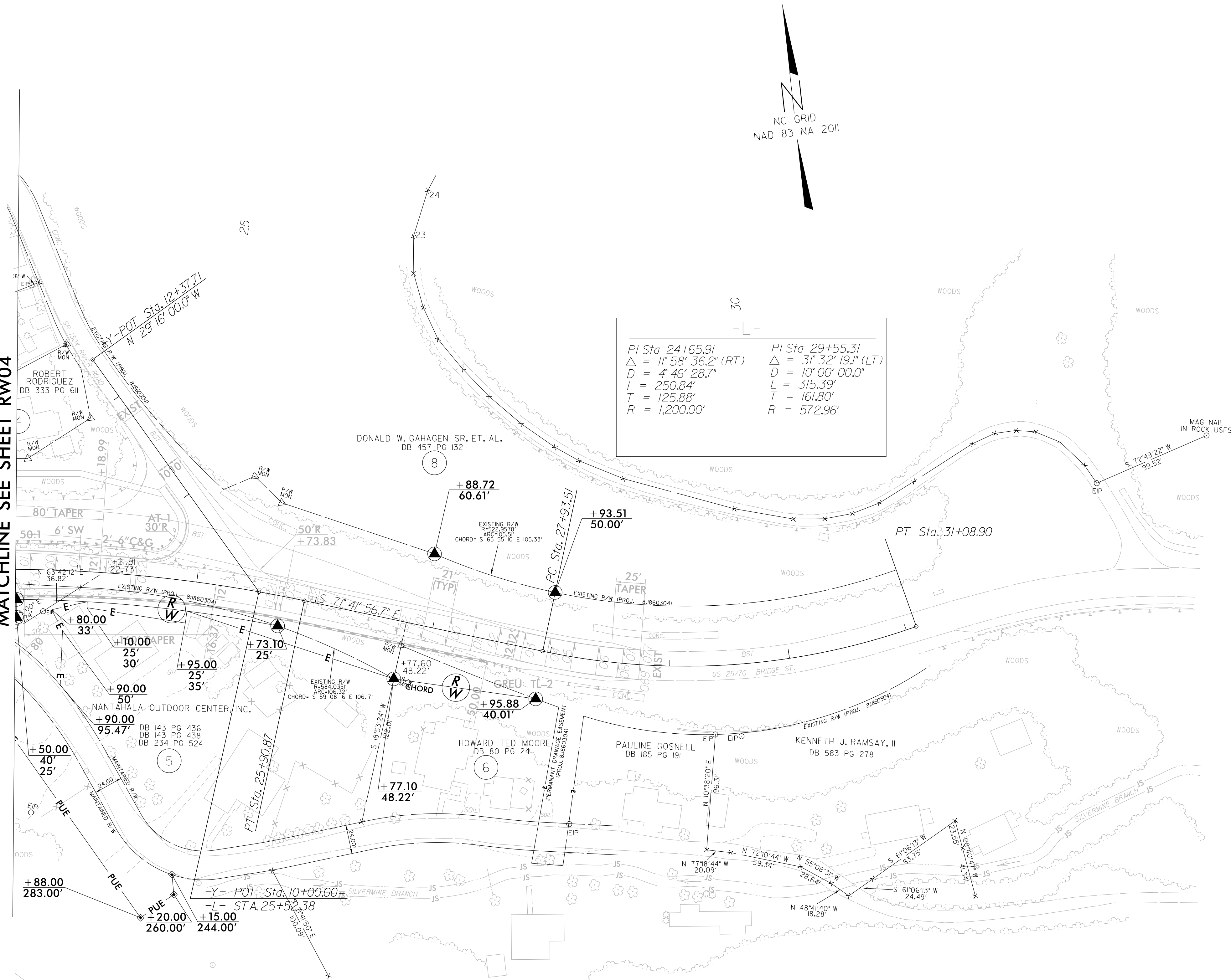
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03/30/2022 TO 03/31/2022 .

OC: APR 2022 15:38 V:\NC\Survey\212-07_B-5895 ROW Staking\Survey\Data - Work\row\B5895_ls_rw04.dgn pushpman

REVISIONS

OC-APR-2022 15:44
V:\NC\Survey\AT\WKS-1903P-Y-28
pushupman
Work\rom\B5895_1s_rw05.dgn

MATCHLINE SEE SHEET RW04



| | |
|-------------------------------------|-------------------------------------|
| PI Sta. 24+65.91 | PI Sta. 29+55.31 |
| $\Delta = 11^\circ 58' 36.2''$ (RT) | $\Delta = 31^\circ 32' 19.1''$ (LT) |
| $D = 4' 46' 28.7''$ | $D = 10' 00' 00.0''$ |
| $L = 250.84'$ | $L = 315.39'$ |
| $T = 125.88'$ | $T = 161.80'$ |
| $R = 1,200.00'$ | $R = 572.96'$ |

| | |
|--|-------------------|
| PROJECT REFERENCE NO. 48088.21 | SHEET NO. RW05 |
| Location and Surveys | |
| 1318-F Patton Avenue Asheville, NC 28806 Firm License # F-1088 | |
| PROJECT SURVEYOR | |
| | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

I, Mark A. Parris, 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 03/30/2022 to 03/31/2022, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 05 day of April, 2022.
 [Signature]
 Professional Land Surveyor L-4529

- 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 03/30/2022 TO 03/31/2022 .