6/2/99

REVISIONS

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| 17BP.14.R.212 | RW04 |

# Location and Surveys

LOCATION AND SURVEYS, DIVISION 14
122 BONNIE LANE
SYLVA, NC 28779

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-4727 BRIAN A. BARWATT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Brian Barwatt, 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 5/12/2021 to 5/18/2021 and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 10th day of June, 2021.

DocuSigned by:
Brian Barwatt
Professional Land Surveyor L-4727

-L-

| PI Sta 10+87.11 | PI Sta 11+47.95 |
|---|---|
| △ = 19° 09' 54.6" (LT) | △ = 23° 38' 58.2" (LT) |
| D = 34° 43' 29.0" | D = 35° 48' 35.5" |
| L = 55.19' | L = 66.04' |
| T = 27.86' | T = 33.50' |
| R = 165.00' | R = 160.00' |
| | V = 20 MPH |
| | e = NC (LOW SPEED) |

-L-

| PI Sta 13+20.70 | PI Sta 15+43.44 | PI Sta 17+97.87 |
|---|---|---|
| △ = 12° 10' 28.7" (RT) | △ = 30° 40' 51.0" (LT) | △ = 52° 58' 42.5" (RT) |
| D = 14° 19' 26.2" | D = 17° 06' 11.6" | D = 17° 06' 11.6" |
| L = 84.99' | L = 179.39' | L = 309.76' |
| T = 42.66' | T = 91.90' | T = 166.95' |
| R = 400.00' | R = 335.00' | R = 335.00' |
| V = 30 MPH | V = 30 MPH | V = 30 MPH |
| e = NC (LOW SPEED) | e = NC (LOW SPEED) | e = NC (LOW SPEED) |

-L-

| PI Sta 26+84.87 | PI Sta 27+81.99 |
|---|---|
| △ = 30° 02' 16.6" (LT) | △ = 34° 43' 05.8" (LT) |
| D = 22° 55' 05.9" | D = 54° 03' 09.4" |
| L = 131.07' | L = 64.23' |
| T = 67.08' | T = 33.14' |
| R = 250.00' | R = 106.00' |
| V = 30 MPH | V = 20 MPH |
| e = 0.08 (LOW SPEED) | e = 0.08 (MATCH EX.AT TIE) |
| Lr = 144' | |

-Y1-

| PI Sta 10+32.17 | PI Sta 12+21.23 |
|---|---|
| △ = 17° 07' 16.0" (RT) | △ = 23° 02' 42.2" (RT) |
| D = 5° 43' 46.5" | D = 28° 38' 52.4" |
| L = 298.82' | L = 80.44' |
| T = 150.53' | T = 40.77' |
| R = 1,000.00' | R = 200.00' |
| V = 40 MPH | V = 25 MPH |
| e = SEE PLANS | e = SEE PLANS |

-Y2-

| PI Sta 10+88.11 | PI Sta 11+88.65 |
|---|---|
| △ = 61° 39' 45.8" (LT) | △ = 7° 31' 27.0" (LT) |
| D = 57° 17' 44.8" | D = 7° 09' 43.1" |
| L = 107.62' | L = 105.06' |
| T = 59.69' | T = 52.60' |
| R = 100.00' | R = 800.00' |
| V = 15 MPH | V = 40 MPH |
| e = SEE PLANS | e = SEE PLANS |

-DR1-

| PI Sta 10+99.13 |
|---|
| △ = 37° 56' 18.5" (LT) |
| D = 95° 29' 34.7" |
| L = 39.73' |
| T = 20.62' |
| R = 60.00' |

-DR2-

| PI Sta 10+52.86 |
|---|
| △ = 33° 30' 07.2" (RT) |
| D = 52° 05' 13.5" |
| L = 64.32' |
| T = 33.11' |
| R = 110.00' |

-RA1-

| PI Sta 10+42.00 | PI Sta 11+07.97 | PI Sta 11+73.95 | PI Sta 12+39.92 |
|---|---|---|---|
| △ = 90° 00' 00.0" (LT) | △ = 90° 00' 00.0" (LT) | △ = 90° 00' 00.0" (LT) | △ = 90° 00' 00.0" (LT) |
| D = 136° 25' 06.7" | D = 136° 25' 06.7" | D = 136° 25' 06.7" | D = 136° 25' 06.7" |
| L = 65.97' | L = 65.97' | L = 65.97' | L = 65.97' |
| T = 42.00' | T = 42.00' | T = 42.00' | T = 42.00' |
| R = 42.00' | R = 42.00' | R = 42.00' | R = 42.00' |

## 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 5/12/2021 TO 5/18/2021.

10-JUN-2021 11:28
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bbarwatt
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