DocuSign Envelope ID: C635FCAE-DDED-4B6A-BFFE-AE4510E73B7A

PROJECT REFERENCE NO.	SHEET NO.
43-0276	1C-1

Location and Surveys

PREPARED IN THE OFFICE OF:

NCDOT, DIVISION 14
LOCATION AND SURVEYS UNIT
122 BONNIE LAND
SYLVA, NC 28779

SURVEY CONTROL SHEET 43-0276

-FINAL-

BL

POINT	DESC.	NORTH	EAST	ELEVATION
1	BL-1	636940.9653	859093.6489	2984.82
2	BL-2	637167.0900	858957.8650	2972.91
3	BL-3	637590.7219	858944.6221	2946.15

BM1 ELEVATION = 2984.08'
N 637053 E 859158
RR SPIKE SET IN BASE OF 32" CHINESE CHESTNUT

BM2 ELEVATION = 2951.95'
N 637562 E 858914
RR SPIKE SET IN BASE OF 46" TRIPLE ASH

-L-

PI Sta 8+95.51
Δ = 4° 09' 58.8" (RT)
D = 10° 09' 31.8"
L = 41.01'
T = 20.51'
R = 564.00'

PI Sta 09+99.93
Δ = 34° 05' 28.2" (LT)
D = 33° 00' 00.0"
L = 103.31'
T = 53.23'
R = 173.62'
SE = 04
RO = 60'
DS = 25 MPH

PI Sta 12+74.77
Δ = 32° 48' 28.2" (RT)
D = 37° 12' 18.2"
L = 88.18'
T = 45.34'
R = 154.00'
SE = NON-STANDARD

PI Sta 13+48.05
Δ = 3° 20' 00.0" (LT)
D = 9° 59' 57.3"
L = 33.34'
T = 16.67'
R = 573.00'

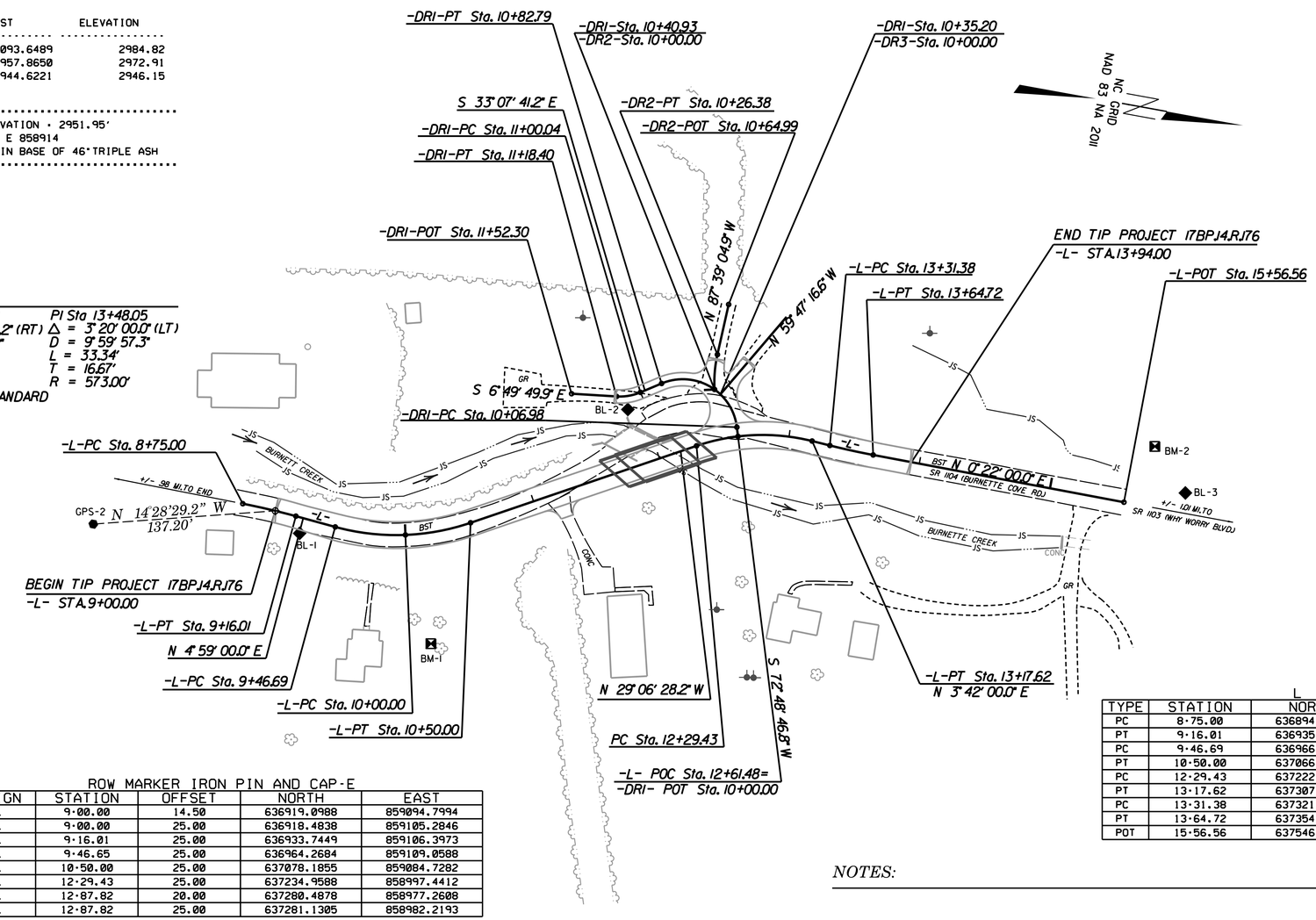
-DRI-

PI Sta 10+61.33
Δ = 105° 56' 28.0" (LT)
D = 139° 44' 44.9"
L = 75.81'
T = 54.35'
R = 41.00'

PI Sta 11+09.39
Δ = 26° 17' 51.3" (RT)
D = 143° 14' 22.0"
L = 18.36'
T = 9.34'
R = 40.00'

-DR2-

PI Sta 10+13.28
Δ = 15° 54' 34.9" (RT)
D = 60° 18' 40.8"
L = 26.38'
T = 13.28'
R = 95.00'



L

TYPE	STATION	NORTH	EAST
PC	8+75.00	636894.9662	859079.4172
PT	9+16.01	636935.9165	859081.4918
PC	9+46.69	636966.4821	859084.1570
PT	10+50.00	637066.0241	859062.8856
PC	12+29.43	637222.7974	858975.5986
PT	13+17.62	637307.6495	858956.4702
PC	13+31.38	637321.3851	858957.3585
PT	13+64.72	637354.6952	858958.5411
POT	15+56.56	637546.5339	858959.7688

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	9+00.00	14.50	636919.0988	859094.7994
L	9+00.00	25.00	636918.4838	859105.2846
L	9+16.01	25.00	636933.7449	859106.3973
L	9+46.65	25.00	636964.2684	859109.0588
L	10+50.00	25.00	637078.1855	859084.7282
L	12+29.43	25.00	637234.9588	858997.4412
L	12+87.82	20.00	637280.4878	858977.2608
L	12+87.82	25.00	637281.1305	858982.2193

PDE

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	11+27.00	25.00	637145.4608	859047.2712
L	11+27.00	33.00	637149.3525	859054.2608
L	12+18.00	25.00	637224.9681	859003.0038
L	12+18.00	33.00	637228.8597	859009.9934
L	12+48.00	25.00	637248.9686	858990.7125
L	12+48.00	31.72	637251.5073	858996.9332
L	12+63.00	25.00	637260.8147	858986.5385
L	12+63.00	36.52	637264.1103	858997.5793

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "GPS-2"
WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 636,787.107(ft) EASTING: 859,114.620(ft)
ELEVATION: 2,994.76(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997388539
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS-2" TO -L- STATION 9+00.00 IS
N 14° 28' 29.2" W 137.20'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

GEOID MODEL – G12NC
NOTE: DRAWING NOT TO SCALE

NOTES:

1. THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:
HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/

THE FILES TO BE FOUND ARE AS FOLLOWS:
43-0276_LS_CONTROL.TXT

SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

△ INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT.

PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

6/2/99

REVISIONS

$$$$$$SYSTIME$$$$$$
$$$$$$USERNAME$$$$$$