PROJECT REFERENCE NO.	SHEET NO.
21-0099	1C-1

Location and Surveys

PREPARED IN THE OFFICE OF:

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

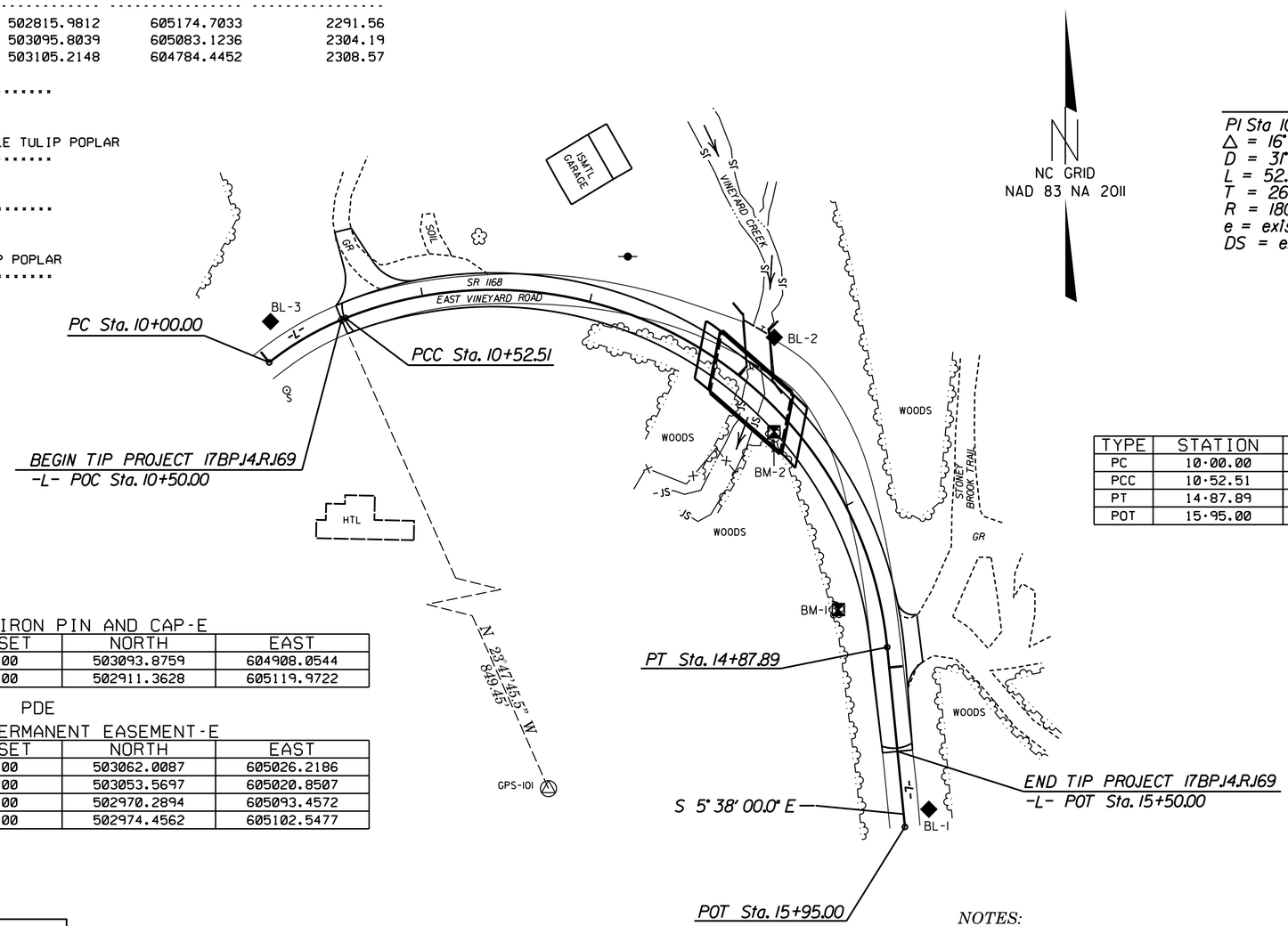
SURVEY CONTROL SHEET 21-0099
-FINAL-

BL

POINT	DESC.	NORTH	EAST	ELEVATION
BL1	BL1	502815.9812	605174.7033	2291.56
BL2	BL2	503095.8039	605083.1236	2304.19
BL3	BL3	503105.2148	604784.4452	2308.57

BM1 ELEVATION = 2299.67
N 502934 E 605121
BENCHTIE 5" SPIKE SET IN 34" DOUBLE TULIP POPLAR

BM2 ELEVATION = 2303.96
N 503040 E 605083
BENCHTIE 5" SPIKE SET IN 24" TULIP POPLAR



CURVE DATA -L-

PI Sta 10+26.44	PI Sta 13+65.23
Δ = 16° 42' 56.8" (RT)	Δ = 106° 09' 03.2" (RT)
D = 31° 49' 51.6"	D = 24° 22' 52.3"
L = 52.51'	L = 435.38'
T = 26.44'	T = 312.71'
R = 180.00'	R = 235.00'
e = exist.	e = 6%
DS = exist.	DS = 30 mph
	Lr = 96'

L

TYPE	STATION	NORTH	EAST
PC	10+00.00	503080.9793	604783.7277
PCC	10+52.51	503107.2556	604828.9801
PT	14+87.89	502912.1055	605150.0566
POT	15+95.00	502805.5168	605160.5703

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	11+32.53	30.00	503093.8759	604908.0544
L	14+85.36	30.00	502911.3628	605119.9722

PDE
ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	12+75.00	30.00	503062.0087	605026.2186
L	12+75.00	40.00	503053.5697	605020.8507
L	14+10.00	40.00	502970.2894	605093.4572
L	14+10.00	30.00	502974.4562	605102.5477

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "GPS-101"
WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 502329.0740(ft) EASTING: 605169.3873(ft)
ELEVATION: 2260.62(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9999477863
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS-101" TO -L- STATION 10+50.00 IS
N 23°47'45.5" W 849.45'
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:
21-0099_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.

REVISIONS

6/2/99

$$$$$SYSTIME$$$$
$$$$$JCN$$$$$